

SAMSUNG

VRF

Technical Data Book

**DVM S Low Ambient for America
(R410A, 60Hz, HP/HR)**



Model : AM***KXVT*H/AA, AM***KXVT*R/AA

History

Version	Modification	Date	Remark
Ver.1.0	Release DVM S Low Ambient for North America TDB	15.12.23	-
Ver.1.1	Modify Capacity correction table(m->ft) and modify weight for 460V models.	16.01.12	-
Ver.1.2	Modifiy weight for 460V models.	16.03.10	-
Ver.1.3	Add Heat Recovery models	16.12.10	-
Ver.1.4	Modify additional refrigerant Table (P45) & Factory charging (P12~17)	17.01.16	-
Ver.1.5	Revised the Spec and Capacity Table Note	18.07.19	-
Ver.1.6	Added Appendix. AHRI Data page (P.106)	19.01.30	-
Ver.1.7	Updated outdoor air temp.of Cooling capacity table upto 120°F	19.03.08	-
Ver.1.8	Updated outdoor air temp.of Cooling capacity table from 23°F to 120°F.	19.03.26	-
Ver.1.9	Updated AHRI data page	19.12.19	-

Nomenclature

Outdoor Unit

Model Name

AM	072	K	X	V	T	F	H	/	AA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AM	DVM
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(5) Feature 1

V	DVM S
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(2) Capacity

kBtu/h (3 digits)

(6) Feature 2

T	High EER + Low Temp.+ Module
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(3) Version

F	2013
H	2014
J	2015
K	2016
M	2017

(7) Rating Voltage

F	3Ø, 3#, 208~230V, 60Hz
J	3Ø, 3#, 460V, 60Hz

(4) Product Type

X	Outdoor Unit
N	Indoor Unit

(8) Mode

H	Heat Pump
R	Heat Recovery

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1. Combination Table : Outdoor units

DVM S Low Ambient Heat Pump

System Model			Capacity of Single Unit	
capacity	Model Code	No. of Modules	6Ton	8Ton
			AM072KXVT*H***	AM096KXVT*H***
6Ton	AM072KXVT*H***	1	1	
8Ton	AM096KXVT*H***	1		1
12Ton	AM144KXVT*H***	2	2	
14Ton	AM168KXVT*H***	2	1	1
16Ton	AM192KXVT*H***	2		2
18Ton	AM216KXVT*H***	3	3	
20Ton	AM240KXVT*H***	3	2	1
22Ton	AM264KXVT*H***	3	1	2
24Ton	AM288KXVT*H***	3		3

DVM S Low Ambient Heat Recovery

System Model			Capacity of Single Unit	
capacity	Model Code	No. of Modules	6Ton	8Ton
			AM072KXVT*R***	AM096KXVT*R***
6Ton	AM072KXVT*R***	1	1	
8Ton	AM096KXVT*R***	1		1
12Ton	AM144KXVT*R***	2	2	
14Ton	AM168KXVT*R***	2	1	1
16Ton	AM192KXVT*R***	2		2
18Ton	AM216KXVT*R***	3	3	
20Ton	AM240KXVT*R***	3	2	1
22Ton	AM264KXVT*R***	3	1	2
24Ton	AM288KXVT*R***	3		3

2. Specifications

DVM S Low Ambient HP (208~230V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM072KXVTFH/AA	AM096KXVTFH/AA	AM144KXVTFH/AA
Power Supply			Ø, #, V, Hz	3,3,208-230,60	3,3,208-230,60
Mode			-	HP	HP
Performance	Ton		TON	6.00	8.00
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000
		Heating	Btu/h	81,000	108,000
	Capacity (Rated)	Cooling	Btu/h	69,000	92,000
Heating		Btu/h	77,000	103,000	
Power	MCA		-	50.00	70.00
	MOP		-	60.00	80.00
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2
	Output		kW x n	(4.96 x 2)	-
	Model Name		-	DS-GB052FBVASGx2	DS4GJ5066EVA5Gx2
	Oil	Type	-	PVE	PVE
Fan	Type		-	Propeller	Propeller
	Output x n		W	620.0x2	620.0x2
	Air Flow Rate		CFM	8,475.84	9,182.16
	External Static Pressure	Max.	Pa	78.40	78.40
In Wg			0.31	0.31	
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	19.05	22.22
			Ø, inch	3/4"	7/8"
	Discharge Gas Pipe		Ø, mm	-	-
			Ø, inch	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)
			ft	656 (722)	656 (722)
	Max. Height	m	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	8.40	8.40
			lbs	18.52	18.52
Sound	Pressure		dB(A)	60	61
	Power			80	81
External Dimension	Net Weight		kg	294.0	329.2
			lbs	648.2	725.8
	Shipping Weight		kg	313.0	346.2
			lbs	690.0	763.2
	Net Dimensions (WxHxD)		mm	1,295x1,695x765	1,295x1,695x765
			inch	50.98x66.73x30.12	50.98x66.73x30.12
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832	1,363x1,887x832
			inch	53.66x74.29x32.76	53.66x74.29x32.76
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.9	-5.0 ~ 48.9
			°F	23.0 ~ 120.0	23.0 ~ 120.0
	Heating		°C	-25.0 ~ 23.9	-25.0 ~ 23.9
			°F	-13.0 ~ 75.0	-13.0 ~ 75.0

- Specification may be subject to change without prior notice.
- 1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)
 - Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB
- 2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20uPa
- 3) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.
- 5) These products contain R410A which is fluorinated greenhouse gas.
- 6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft, make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.
 - When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.
- 7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HP (208~230V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM168KXVTFH/AA	AM192KXVTFH/AA	AM216KXVTFH/AA
Power Supply			Ø, #, V, Hz	3,3,208-230,60	3,3,208-230,60
Mode			-	HP	HP
Performance	Ton		TON	14.00	16.00
	Capacity (Nominal)	Cooling	Btu/h	168,000	192,000
		Heating	Btu/h	189,000	216,000
	Capacity (Rated)	Cooling	Btu/h	160,000	184,000
		Heating	Btu/h	180,000	206,000
Power	MCA		-	120.00	140.00
	MOP		-	-	-
Compressor	Type		-	SSC Scroll x 4	SSC Scroll x 4
	Output		kW x n	(4.96x2)	-
	Model Name		-	DS-GB052FBVASGx2 + DS4GJ5066EVASGx2	DS4GJ5066EVASGx4
	Oil	Type	-	PVE	PVE
Fan	Type		-	Propeller	Propeller
	Output x n		W	(620.0x2)x2	(620.0x2)x2
	Air Flow Rate		CFM	8,475.8 + 9,182.2	9,182.2x2
	External Static Pressure	Max.	Pa	78.40	78.40
			In Wg	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	15.88	15.88
			Ø, inch	5/8"	5/8"
	Gas Pipe		Ø, mm	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"
	Discharge Gas Pipe		Ø, mm	-	-
			Ø, inch	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)
ft			656 (722)	656 (722)	
Max. Height		m	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	16.80	16.80
Sound	Pressure		-	64	64
	Power		dB(A)	84	84
External Dimension	Net Weight		kg	294.0 + 329.2	329.2x2
			lbs	648.2 + 725.8	725.8x2
	Shipping Weight		kg	313.0 + 346.2	346.2x2
			lbs	690.0 + 763.2	763.2x2
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2
			inch	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x2
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2
			inch	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x2
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HP (208~230V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM240KXVTFH/AA	AM264KXVTFH/AA	AM288KXVTFH/AA	
Power Supply			∅, #, V, Hz	3,3,208-230,60	3,3,208-230,60	
Mode			-	HP	HP	
Performance	Ton	TON	20.00	22.00	24.00	
	Capacity (Nominal)	Cooling	Btu/h	240,000	264,000	288,000
		Heating	Btu/h	270,000	297,000	324,000
	Capacity (Rated)	Cooling	Btu/h	228,000	252,000	276,000
		Heating	Btu/h	258,000	282,000	308,000
Power	MCA	-	170.00	190.00	210.00	
	MOP	-	-	-	-	
Compressor	Type		-	SSC Scroll x 6	SSC Scroll x 6	
	Output		kW x n	(4.96x2)x2	(4.96x2)	-
	Model Name		-	DS-GB052FBVASGx4 + DS4GJ5066EVASGx2	DS-GB052FBVASGx2 + DS4GJ5066EVASGx4	DS4GJ5066EVASGx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x3	(620.0x2)x3	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8x2 + 9,182.2	8,475.8 + 9,182.2x2	9,182.2x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
			In Wg	0.31	0.31	0.31
Piping Connections	Liquid Pipe		∅, mm	15.88	19.05	19.05
			∅, inch	5/8"	3/4"	3/4"
	Gas Pipe		∅, mm	28.58	34.92	34.92
			∅, inch	1 1/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe		∅, mm	-	-	-
			∅, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
ft			656 (722)	656 (722)	656 (722)	
	Max. Height	m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	
	Factory Charging		kg	25.20	25.20	25.20
Sound	Pressure		dB(A)	65	65	66
	Power			85	85	86
External Dimension	Net Weight		kg	294.0x2 + 329.2	294.0 + 329.2x2	329.2x3
			lbs	648.2x2 + 725.8	648.2 + 725.8x2	725.8x3
	Shipping Weight		kg	313.0x2 + 346.2	313.2 + 346.2x2	346.2x3
			lbs	690.0x2 + 763.2	690.0 + 763.2x2	763.2x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

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- Reference power : 1pW

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2. Specifications

DVM S Low Ambient HP (460V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM072KXVTJH/AA	AM096KXVTJH/AA	AM144KXVTJH/AA
Power Supply			Ø, #, V, Hz	3,3,460,60	3,3,460,60
Mode			-	HP	HP
Performance	Ton		TON	6.00	8.00
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000
		Heating	Btu/h	81,000	108,000
	Capacity (Rated)	Cooling	Btu/h	69,000	92,000
		Heating	Btu/h	77,000	103,000
Power	MCA		-	28.00	38.00
	MOP		-	35.00	45.00
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2
	Output		kW x n	(5.18 x 2)	(6.39 x 2)
	Model Name		-	DS-GB052FAVBSGx2	DS-GB066FAVBSGx2
	Oil	Type	-	PVE	PVE
Fan	Type		-	Propeller	Propeller
	Output x n		W	620.0x2	620.0x2
	Air Flow Rate		CFM	8,475.84	9,182.16
	External Static Pressure	Max.	Pa	78.40	78.40
			In Wg	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	19.05	22.22
			Ø, inch	3/4"	7/8"
	Discharge Gas Pipe		Ø, mm	-	-
			Ø, inch	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)
			ft	656 (722)	656 (722)
Max. Height		m	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	8.40	16.80
Sound	Pressure		-	60	63
	Power		dB(A)	80	81
External Dimension	Net Weight		kg	301.0	330.1
			lbs	663.6	727.7
	Shipping Weight		kg	320.0	347.1
			lbs	705.5	765.2
	Net Dimensions (WxHxD)		mm	1,295x1,695x765	1,295x1,695x765
			inch	50.98x66.73x30.12	50.98x66.73x30.12
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832	1,363x1,887x832
			inch	53.66x74.29x32.76	53.66x74.29x32.76
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
- Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

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- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

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2. Specifications

DVM S Low Ambient HP (460V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM168KXVTJH/AA	AM192KXVTJH/AA	AM216KXVTJH/AA	
Power Supply			Ø, #, V, Hz	3,3,460,60	3,3,460,60	
Mode			-	HP	HP	
Performance	Ton		TON	14.00	16.00	
	Capacity (Nominal)	Cooling	Btu/h	168,000	192,000	
		Heating	Btu/h	189,000	216,000	
	Capacity (Rated)	Cooling	Btu/h	160,000	184,000	
		Heating	Btu/h	180,000	206,000	
Power	MCA		-	66.00	76.00	
	MOP		-	-	-	
Compressor	Type		-	SSC Scroll x 4	SSC Scroll x 4	
	Output		kW x n	(5.18x2) + (6.39x2)	(6.39x2)x2	(5.18x2)x3
	Model Name		-	DS-GB052FAVBGSx2 + DS-GB066FAVBGSx2	DS-GB066FAVBGSx4	DS-GB052FAVBGSx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x2	(620.0x2)x2	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8 + 9,182.2	9,182.2x2	8,475.8x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
In Wg			0.31	0.31	0.31	
Piping Connections	Liquid Pipe		Ø, mm	15.88	15.88	15.88
			Ø, inch	5/8"	5/8"	5/8"
	Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)	
		ft	656 (722)	656 (722)	656 (722)	
	Max. Height	m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	16.80	16.80	25.20
Sound	Pressure		-	64	64	65
	Power		dB(A)	84	84	85
External Dimension	Net Weight		kg	301.0 + 330.1	330.1x2	301.0x3
			lbs	663.6 + 727.7	727.7x2	663.6x3
	Shipping Weight		kg	320.0 + 347.1	347.1x2	320.0x3
			lbs	705.5 + 765.2	765.2x2	705.5x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HP (460V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM240KXVTJH/AA	AM264KXVTJH/AA	AM288KXVTJH/AA	
Power Supply			Ø, #, V, Hz	3,3,460,60	3,3,460,60	
Mode			-	HP	HP	
Performance	Ton		TON	20.00	22.00	
	Capacity (Nominal)	Cooling	Btu/h	240,000	264,000	
		Heating	Btu/h	270,000	297,000	
	Capacity (Rated)	Cooling	Btu/h	228,000	252,000	
		Heating	Btu/h	258,000	282,000	
Power	MCA		-	94.00	104.00	
	MOP		-	-	-	
Compressor	Type		-	SSC Scroll x 6	SSC Scroll x 6	
	Output		kW x n	(5.18x2)+(6.39x2)	(5.18x2) + (6.39x2)x2	(6.39x2)x3
	Model Name		-	DS-GB052FAVB SGx4 + DS-GB066FAVB SGx2	DS-GB052FAVB SGx2 + DS-GB066FAVB SGx4	DS-GB066FAVB SGx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	
	Output x n		W	(620.0x2)x3	(620.0x2)x3	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8x2 + 9,182.2	8,475.8 + 9,182.2x2	9,182.2x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
			In Wg	0.31	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	15.88	19.05	19.05
			Ø, inch	5/8"	3/4"	3/4"
	Gas Pipe		Ø, mm	28.58	34.92	34.92
			Ø, inch	1 1/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe		Ø, mm	-	-	-
			Ø, inch	-	-	-
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
			ft	656 (722)	656 (722)	656 (722)
Max. Height		m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	
	Factory Charging		kg	25.20	25.20	25.20
Sound	Pressure		-	65	65	
	Power		dB(A)	85	85	86
External Dimension	Net Weight		kg	301.0x2 + 330.1	301.0 + 330.1x2	330/1x3
			lbs	663.6x2 + 727.7	663.6 + 727.7x2	727.7x3
	Shipping Weight		kg	320x2 + 347.1	320.0 + 347.1x2	347.1x3
			lbs	705.5x2 + 765.2	705.5 + 765.2x2	765.2x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HR (208~230V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM072KXVTFR/AA	AM096KXVTFRAA	AM144KXVTFR/AA
Power Supply			Ø, #, V, Hz	3,3,208-230,60	3,3,208-230,60
Mode			-	HEAT RECOVERY	HEAT RECOVERY
Performance	Ton		TON	6.00	8.00
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000
		Heating	Btu/h	81,000	108,000
	Capacity (Rated)	Cooling	Btu/h	69,000	92,000
Heating		Btu/h	77,000	103,000	
Power	MCA		-	50.00	70.00
	MOP		-	60.00	80.00
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2
	Output		kW x n	(4.96 x 2)	-
	Model Name		-	DS-GB052FBVASGx2	DS4GJ5066EVAASGx2
	Oil	Type	-	PVE	PVE
Fan	Type		-	Propeller	Propeller
	Output x n		W	620.0x2	620.0x2
	Air Flow Rate		CFM	8,475.84	9,182.16
	External Static Pressure	Max.	Pa	78.40	78.40
In Wg			0.31	0.31	
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	19.05	22.22
			Ø, inch	3/4"	7/8"
	Discharge Gas Pipe		Ø, mm	15.88	19.05
			Ø, inch	5/8"	3/4"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)
			ft	656 (722)	656 (722)
Installation Limitation	Max. Height	m	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	8.7	11.0
			lbs	19.2	24.3
Sound	Pressure		-	60	61
	Power		-	80	81
External Dimension	Net Weight		kg	302.4	336.2
			lbs	666.7	741.2
	Shipping Weight		kg	321.4	353.2
			lbs	708.6	778.7
	Net Dimensions (WxHxD)		mm	1,295x1,695x765	1,295x1,695x765
			inch	50.98x66.73x30.12	50.98x66.73x30.12
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832	1,363x1,887x832
			inch	53.66x74.29x32.76	53.66x74.29x32.76
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.9	-5.0 ~ 48.9
			°F	23.0 ~ 120.0	23.0 ~ 120.0
	Heating		°C	-25.0 ~ 23.9	-25.0 ~ 23.9
			°F	-13.0 ~ 75.0	-13.0 ~ 75.0

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HR (208~230V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM168KXVTR/AA	AM192KXVTR/AA	AM216KXVTR/AA	
Power Supply			Ø, #, V, Hz	3,3,208-230,60	3,3,208-230,60	
Mode			-	HEAT PUMP	HEAT PUMP	
Performance	Ton		TON	14.00	16.00	
	Capacity (Nominal)	Cooling	Btu/h	168,000	192,000	
		Heating	Btu/h	189,000	216,000	
	Capacity (Rated)	Cooling	Btu/h	160,000	184,000	
		Heating	Btu/h	180,000	206,000	
Power	MCA		-	120.00	140.00	
	MOP		-	-	-	
Compressor	Type		-	SSC Scroll x 4	SSC Scroll x 4	
	Output		kW x n	(4.96x2)	-	
	Model Name		-	DS-GB052FBVASGx2 + DS4GJ5066EVASGx2	DS4GJ5066EVASGx4	DS-GB052FBVASGx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	Propeller
	Output x n		W	(620.0x2)x2	(620.0x2)x2	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8 + 9,182.2	9,182.2x2	8,475.8x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
			In Wg	0.31	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	15.88	15.88	15.88
			Ø, inch	5/8"	5/8"	5/8"
	Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe		Ø, mm	22.22	28.58	28.58
			Ø, inch	7/8"	1 1/8"	1 1/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
ft			656 (722)	656 (722)	656 (722)	
Max. Height		m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	19.7	22.0	26.1
Sound	Pressure		-	64	64	65
	Power		dB(A)	84	84	85
External Dimension	Net Weight		kg	302.4 + 336.2	336.2x2	302.4x3
			lbs	666.7 + 741.2	741.2x2	666.7x3
	Shipping Weight		kg	321.4 + 353.2	353.2x2	321.4x3
			lbs	708.6 + 778.7	778.7x2	708.6x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB

- Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HR (208~230V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM240KXVTFR/AA	AM264KXVTFR/AA	AM288KXVTFR/AA	
Power Supply			Ø, #, V, Hz	3,3,208-230,60	3,3,208-230,60	
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	Ton	TON	20.00	22.00	24.00	
	Capacity (Nominal)	Cooling	Btu/h	240,000	264,000	288,000
		Heating	Btu/h	270,000	297,000	324,000
	Capacity (Rated)	Cooling	Btu/h	228,000	252,000	276,000
		Heating	Btu/h	258,000	282,000	308,000
Power	MCA	-	170.00	190.00	210.00	
	MOP	-	-	-	-	
Compressor	Type		SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output		kW x n	(4.96x2)	-	
	Model Name		-	DS-GB052FBVASGx4 + DS4GJ5066EVASGx2	DS-GB052FBVASGx2 + DS4GJ5066EVASGx4	DS4GJ5066EVASGx6
	Oil	Type	-	PVE	PVE	
Fan	Type		-	Propeller	Propeller	
	Output x n		W	(620.0x2)x3	(620.0x2)x3	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8x2 + 9,182.2	8,475.8 + 9,182.2x2	9,182.2x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
			In Wg	0.31	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	15.88	19.05	19.05
			Ø, inch	5/8"	3/4"	3/4"
	Gas Pipe		Ø, mm	28.58	34.92	34.92
			Ø, inch	1 1/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
			ft	656 (722)	656 (722)	656 (722)
Max. Height		m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	
	Factory Charging		kg	28.4	30.7	33.0
Sound	Pressure		dB(A)	65	65	66
	Power		dB(A)	85	85	86
External Dimension	Net Weight		kg	302.4x2 + 336.2	302.4 + 336.2x2	336.2x3
			lbs	666.7x2 + 741.2	666.7 + 741.2x2	741.2x3
	Shipping Weight		kg	321.4x2 + 353.2	321.4 + 353.2x2	353.2x3
			lbs	708.6x2 + 778.7	708.6 + 778.7x2	778.7x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HR (460V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)
Model Name			AM072KXVTJR/AA	AM096KXVTJR/AA	AM144KXVTJR/AA
Power Supply			Ø, #, V, Hz	3,3,460,60	3,3,460,60
Mode			-	HEAT RECOVERY	HEAT RECOVERY
Performance	Ton		TON	6.00	8.00
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000
		Heating	Btu/h	81,000	108,000
	Capacity (Rated)	Cooling	Btu/h	69,000	92,000
		Heating	Btu/h	77,000	103,000
Power	MCA		-	28.00	38.00
	MOP		-	35.00	45.00
Compressor	Type		-	SSC Scroll x 2	SSC Scroll x 2
	Output		kW x n	(5.18 x 2)	(6.39 x 2)
	Model Name		-	DS-GB052FAVBSGx2	DS-GB066FAVBSGx2
	Oil	Type	-	PVE	PVE
Fan	Type		-	Propeller	Propeller
	Output x n		W	620.0x2	620.0x2
	Air Flow Rate		CFM	8,475.84	9,182.16
	External Static Pressure	Max.	Pa	78.40	78.40
			In Wg	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	19.05	22.22
			Ø, inch	3/4"	7/8"
	Discharge Gas Pipe		Ø, mm	15.88	19.05
			Ø, inch	5/8"	3/4"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)
			ft	656 (722)	656 (722)
Max. Height		m	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	8.7	11.0
Sound	Pressure		dB(A)	60	61
	Power			80	81
External Dimension	Net Weight		kg	310.0	337.1
			lbs	683.4	743.2
	Shipping Weight		kg	329.0	354.1
			lbs	725.3	780.7
	Net Dimensions (WxHxD)		mm	1,295x1,695x765	1,295x1,695x765
			inch	50.98x66.73x30.12	50.98x66.73x30.12
	Shipping Dimensions (WxHxD)		mm	1,363x1,887x832	1,363x1,887x832
			inch	53.66x74.29x32.76	53.66x74.29x32.76
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
- Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level
- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HR (460V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM168KXVTJR/AA	AM192KXVTJR/AA	AM216KXVTJR/AA	
Power Supply		Ø, #, V, Hz	3,3,460,60	3,3,460,60	3,3,460,60	
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	Ton	TON	14.00	16.00	18.00	
	Capacity (Nominal)	Cooling	Btu/h	168,000	192,000	216,000
		Heating	Btu/h	189,000	216,000	243,000
	Capacity (Rated)	Cooling	Btu/h	160,000	184,000	206,000
Heating		Btu/h	180,000	206,000	230,000	
Power	MCA	-	66.00	76.00	84.00	
	MOP	-	-	-	-	
Compressor	Type		SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 6	
	Output		kW x n	(5.18x2) + (6.39x2)	(6.39x2)x2	(5.18x2)x3
	Model Name		-	DS-GB052FAVBGSx2 + DS-GB066FAVBGSx2	DS-GB066FAVBGSx4	DS-GB052FAVBGSx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	
	Output x n		W	(620.0x2)x2	(620.0x2)x2	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8 + 9,182.2	9,182.2x2	8,475.8x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
In Wg			0.31	0.31	0.31	
Piping Connections	Liquid Pipe		Ø, mm	15.88	15.88	15.88
			Ø, inch	5/8"	5/8"	5/8"
	Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe		Ø, mm	22.22	28.58	28.58
			Ø, inch	7/8"	1 1/8"	1 1/8"
Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)	
		ft	656 (722)	656 (722)	656 (722)	
	Max. Height	m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	
	Factory Charging		kg	19.7	22.0	26.1
Sound	Pressure		64	64	65	
	Power		dB(A)	84	84	85
External Dimension	Net Weight		kg	310.0 + 337.1	337.1x2	310.0x3
			lbs	683.4 + 743.2	743.2x2	683.4x3
	Shipping Weight		kg	329.0 + 354.1	354.1x2	329.0x3
			lbs	725.3 + 780.7	780.7x2	725.3x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x2	(1,295x1,695x765)x2	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x2	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x2	(1,363x1,887x832)x2	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x2	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

3) Sound power level is an absolute value that a sound source generates.

- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

2. Specifications

DVM S Low Ambient HR (460V)

Type			DVM S(NEW)	DVM S(NEW)	DVM S(NEW)	
Model Name			AM240KXVTJR/AA	AM264KXVTJR/AA	AM288KXVTJR/AA	
Power Supply		Ø, #, V, Hz	3,3,460,60	3,3,460,60	3,3,460,60	
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	Ton	TON	20.00	22.00	24.00	
	Capacity (Nominal)	Cooling	Btu/h	240,000	264,000	288,000
		Heating	Btu/h	270,000	297,000	324,000
	Capacity (Rated)	Cooling	Btu/h	228,000	252,000	276,000
		Heating	Btu/h	258,000	282,000	308,000
Power	MCA	-	94.00	104.00	114.00	
	MOP	-	-	-	-	
Compressor	Type		SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output		kW x n	(5.18x2) + (6.39x2)	(5.18x2) + (6.39x2)x2	(6.39x2)x3
	Model Name		-	DS-GB052FAVB SGx4 + DS-GB066FAVB SGx2	DS-GB052FAVB SGx2 + DS-GB066FAVB SGx4	DS-GB066FAVB SGx6
	Oil	Type	-	PVE	PVE	PVE
Fan	Type		-	Propeller	Propeller	
	Output x n		W	(620.0x2)x3	(620.0x2)x3	(620.0x2)x3
	Air Flow Rate		CFM	8,475.8x2 + 9,182.2	8,475.8 + 9,182.2x2	9,182.2x3
	External Static Pressure	Max.	Pa	78.40	78.40	78.40
			In Wg	0.31	0.31	0.31
Piping Connections	Liquid Pipe		Ø, mm	15.88	19.05	19.05
			Ø, inch	5/8"	3/4"	3/4"
	Gas Pipe		Ø, mm	28.58	34.92	34.92
			Ø, inch	1 1/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe		Ø, mm	28.58	28.58	28.58
			Ø, inch	1 1/8"	1 1/8"	1 1/8"
	Installation Limitation	Max. Length	m	200 (220)	200 (220)	200 (220)
			ft	656 (722)	656 (722)	656 (722)
Max. Height		m	110 (40)	110 (40)	110 (40)	
		ft	361 (131)	361 (131)	361 (131)	
Refrigerant	Type		-	R410A	R410A	
	Factory Charging		kg	28.4	30.7	33.0
Sound	Pressure		dB(A)	65	65	66
	Power		dB(A)	85	85	86
External Dimension	Net Weight		kg	310.0x2 + 337.1	310.0 + 337.1x2	337.1x3
			lbs	683.4x2 + 743.2	683.4 + 743.2x2	743.2x3
	Shipping Weight		kg	329.0x2 + 354.1	329.0 + 354.1x2	354.1x3
			lbs	725.3x2 + 780.7	725.3 + 780.7x2	780.7x3
	Net Dimensions (WxHxD)		mm	(1,295x1,695x765)x3	(1,295x1,695x765)x3	(1,295x1,695x765)x3
			inch	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3	(50.98x66.73x30.12)x3
	Shipping Dimensions (WxHxD)		mm	(1,363x1,887x832)x3	(1,363x1,887x832)x3	(1,363x1,887x832)x3
			inch	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3	(53.66x74.29x32.76)x3
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	

• Specification may be subject to change without prior notice.

1) Nominal capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft)

- Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB
 - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB

2) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment.

Sound pressure level may differ depending on operation condition.

- dBA = A-weighted sound pressure level

- Reference acoustic pressure 0 dB = 20uPa

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- dBA = A-weighted sound power level

- Reference power : 1pW

- Measured according to ISO 3741 4) Sound values of multi combination are theoretical values based on sound results of individual installed units.

5) These products contain R410A which is fluorinated greenhouse gas.

6) If outdoor unit is located in a higher position than indoor unit, level difference is 361ft or under. If the level difference is higher than 164ft,

make a decision by PDM kit installation Guide software whether the PDM(Pressure Drop Modulation) kit should be installed or not.

When the outdoor unit is below the indoor unit & the level differences are 131ft or more, contact your local dealer for more information.

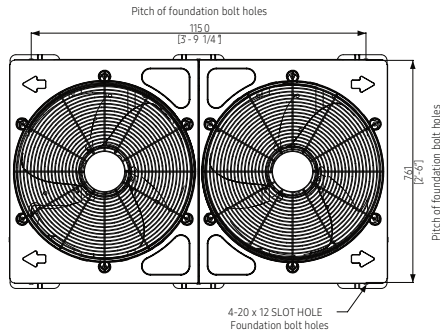
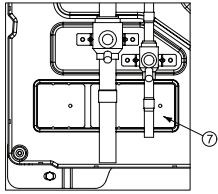
7) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

3. Dimensional Drawing

HEAT PUMP

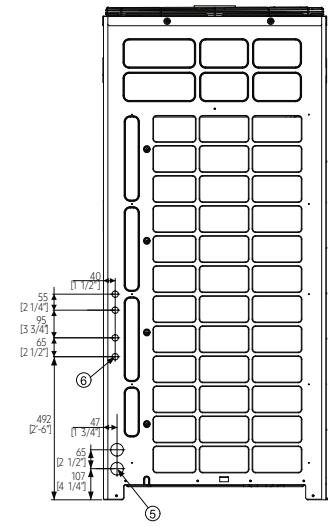
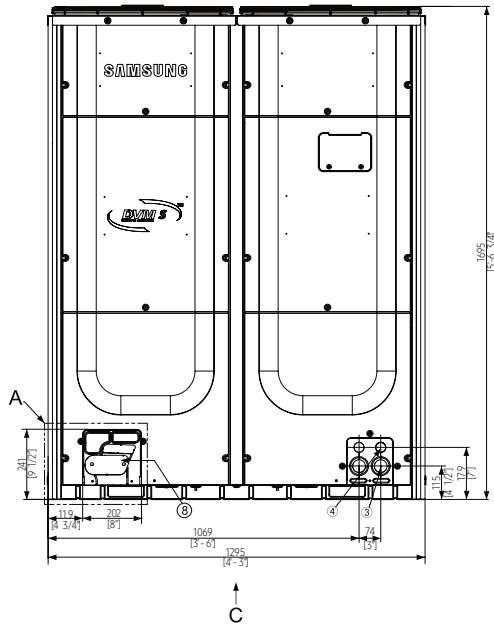
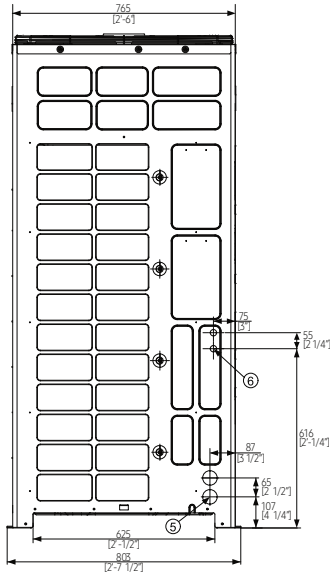
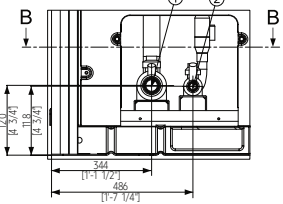
• AM072/096KXVT*H

Section B-B



Units : mm [inches]

Detail A



Notes

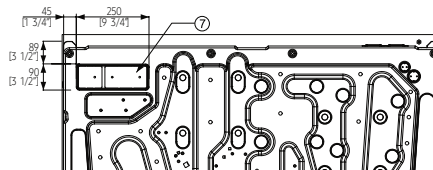
1. Detail A and Section B-B indicate the dimension after fixing the attached piping.
2. Item 3-8 : Knockout hole.
3. View C indicate the dimension of knock-out hole (bottom)
4. Gas pipe

AM072KXVT*H : $\Phi 19.05$ [3/4"] brazing connection
 AM096KXVT*H : $\Phi 22.22$ [7/8"] brazing connection

Liquid pipe

AM072/096KXVT*H : $\Phi 9.52$ [3/8"] brazing connection

View C

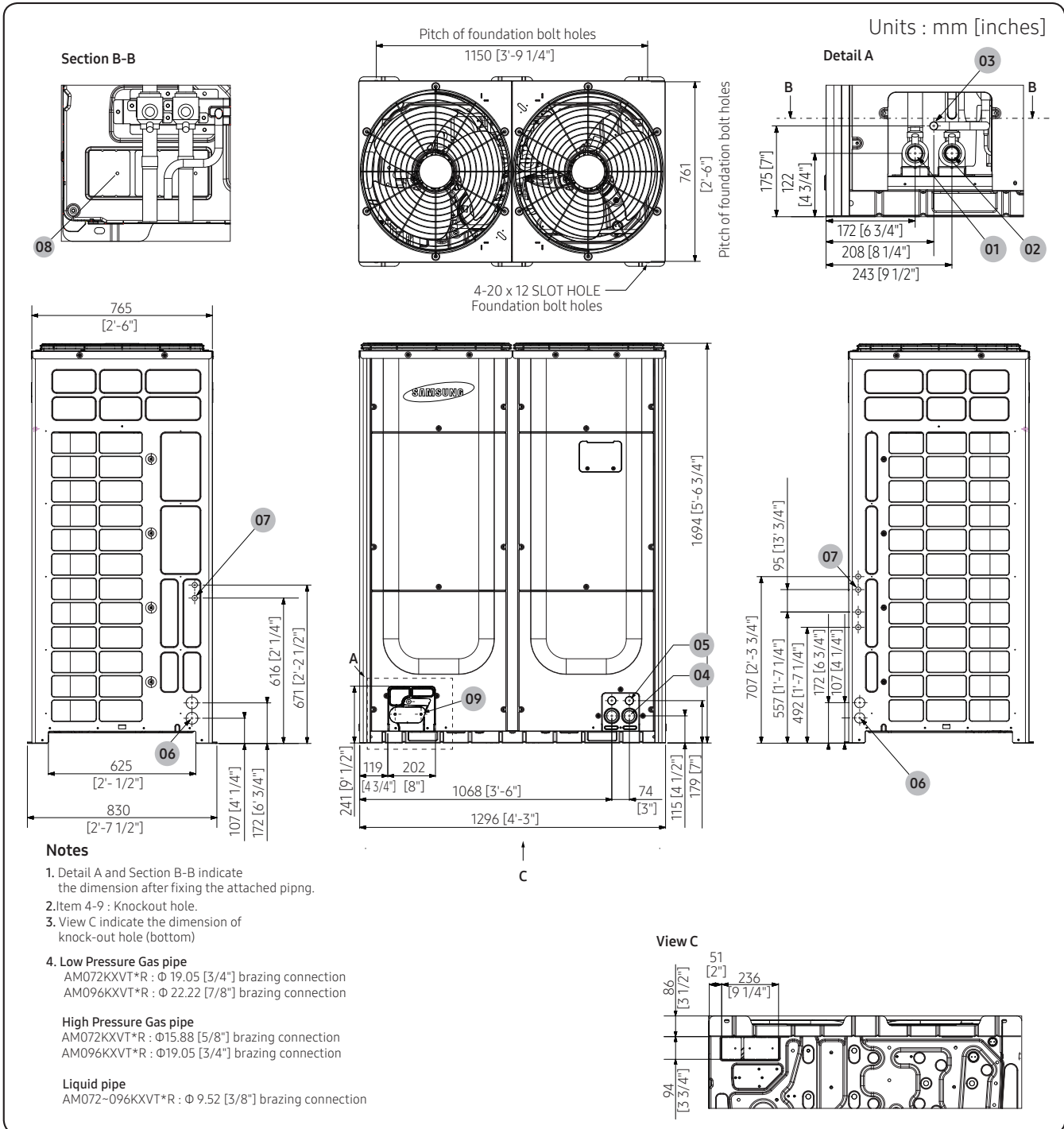


NO	Table of descriptions		NO	Table of descriptions	
1	Gas Ref. pipe	See note 4.	5	Power wiring conduit	$\Phi 44$
2	Liquid Ref. pipe	See note 4.	6	Communication wiring conduit	$\Phi 22$
3	Power wiring conduit	$\Phi 44$	7	Knock-out Hole for Ref. Piping (bottom)	
4	Communication wiring conduit	$\Phi 34$	8	Knock-out Hole for Ref. Piping (front)	

3. Dimensional Drawing

HEAT RECOVERY

• AM072/096KXVT*R

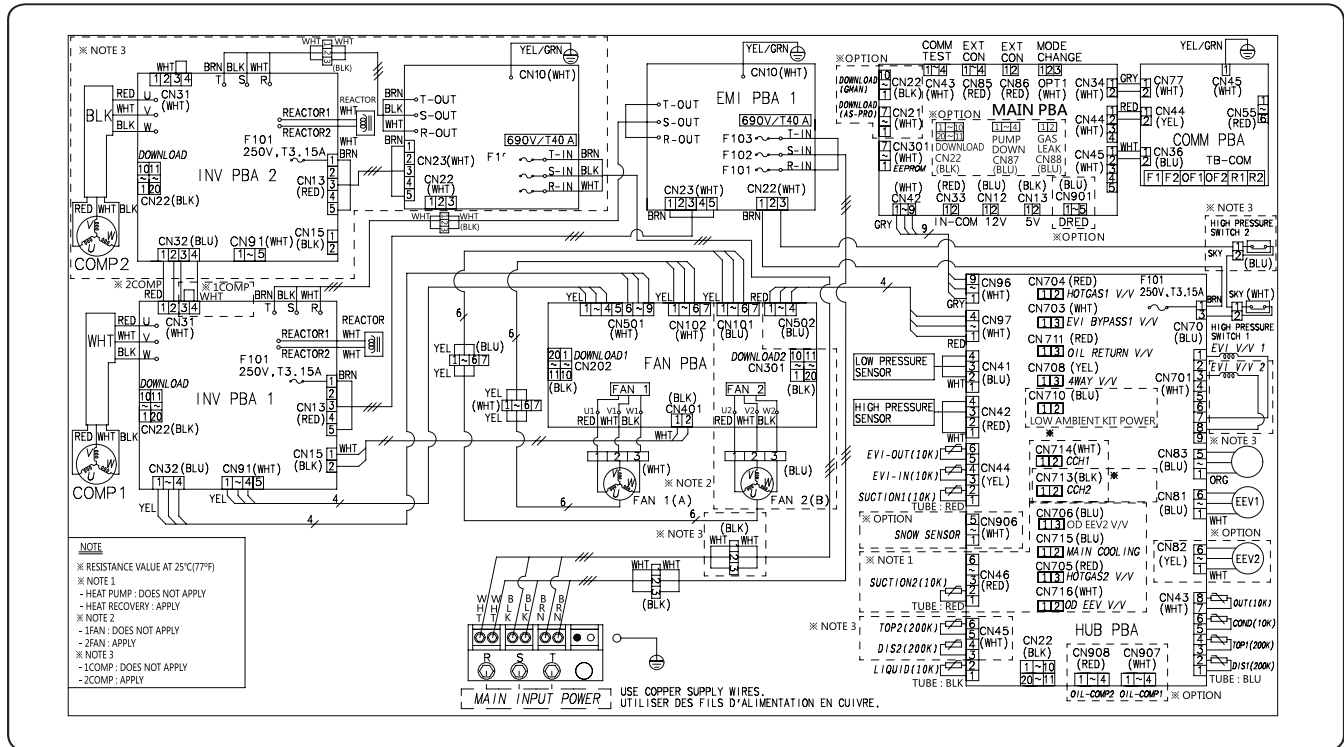


NO	Table of descriptions	Remark	NO	Table of descriptions	Remark
1	Low Pressure Gas Ref. pipe	See note 4.	6	Power wiring conduit	Φ 44
2	High Pressure Gas Ref. pipe	See note 4.	7	Communication wiring conduit	Φ 22
3	Liquid Ref. pipe	See note 4.	8	Knock-out Hole for Ref. Piping (bottom)	
4	Power wiring conduit	Φ 44	9	Knock-out Hole for Ref. Piping (front)	
5	Communication wiring conduit	Φ 34			

4. Electrical Wiring Diagram

Outdoor unit

- AM072KXVTFH/AA, AM072KXVTFR/AA



INV PBA1	Printed circuit board(inverter1)	EEV1	electronic expansion valve 1	LIQUID(10K)	Thermistor LIQUID(10K)
INV PBA2	Printed circuit board(inverter2)	EEV2	electronic expansion valve 2	HOTGAS1 V/V	Solenoid valve(HOTGAS1)
EMI PBA1	Printed circuit board(emi1)	EVI-OUT(10K)	Thermistor (Enhanced Vapor Injection out)	EVI BYPASS V/V	Solenoid valve(EVI BYPASS)
EMI PBA2	Printed circuit board(emi1)	EVI-IN(10K)	Thermistor (Enhanced Vapor Injection_in)	RETURN V/V	Solenoid valve(RETURN)
FAN PBA	Printed circuit board(fan motor)	SUCTION1(10K)	Thermistor (SUCTION1)	4WAY V/V	Solenoid valve(4WAY)
MAIN PBA	Printed circuit board(main)	SUCTION2(10K)	Thermistor (SUCTION2)	CCH1	Crank Case Heater (Compressor1)
HUB PBA	Printed circuit board(hub)	SNOW SENSOR	SNOW SENSOR	CCH2	Crank Case Heater (Compressor1)
COMM PBA	Printed circuit board(communication)	OIL-COMP1	Oil-Sensor(Compressor1)	MAIN COOLING	Solenoid valve(Main cooling)
COMP1	Motor (compressor1)	OIL-COMP2	Oil-Sensor(Compressor2)	HOTGAS2 V/V	Solenoid valve(HOTGAS2)
COMP2	Motor (compressor2)	OUT(10K)	Thermistor (Air)	OD EEV V/V	Solenoid valve(OD EEV)
FAN1	Motor (fan1)	COND(10K)	Thermistor (COND.)	F101	FUSE(inverterPBA)
FAN2	Motor (fan2)	TOP2(200K)	Thermistor (Copressor2 TOP)	690V/T40A	FUSE(EMI PBA)
EVI V/V 1	Solenoid valve (Enhanced Vapor Injection_1)	DIS1(200K)	Thermistor DIS1(200K)	MODE CHANGE	Connector (remote switching cool/heat selector)
EVI V/V 2	Solenoid valve (Enhanced Vapor Injection_2)	DIS2(200K)	Thermistor DIS2(200K)	EXT CON	Connector (Output EXT CON)
EVI EEV	electronic expansion valve(EVI)	LIQUID(10K)	Thermistor LIQUID(10K)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)

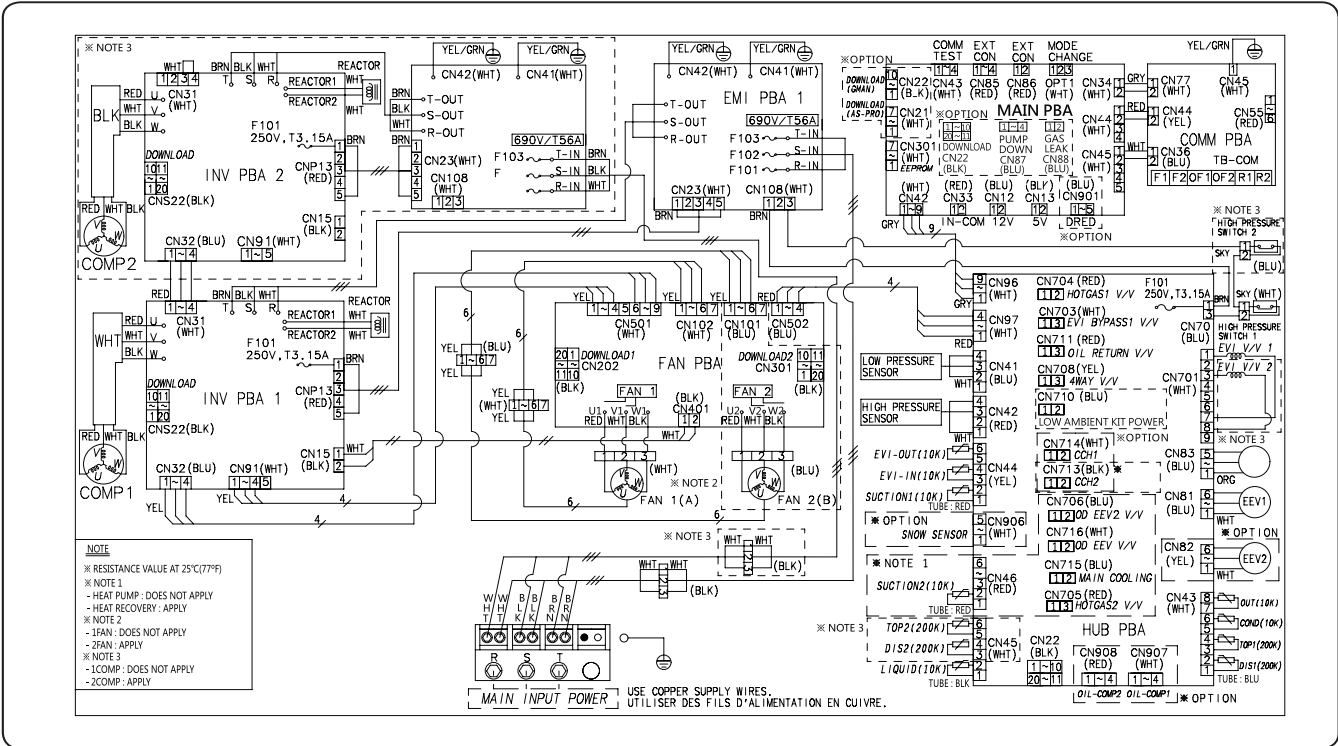
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, org: orange, grn: green
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.
- Protective earth(SCREW), : connector, : The wire quantity

4. Electrical Wiring Diagram

Outdoor unit

- AM096KXVTFH/AA, AM096KXVTR/AA



INV PBA1	Printed circuit board(inverter1)	EEV1	electronic expansion valve 1	LIQUID(10K)	Thermistor LIQUID(10K)
INV PBA2	Printed circuit board(inverter2)	EEV2	electronic expansion valve 2	HOTGAS1 V/V	Solenoid valve(HOTGAS1)
EMI PBA1	Printed circuit board(emi1)	EVI-OUT(10K)	Thermistor (Enhanced Vapor Injection_ out)	EVI BYPASS V/V	Solenoid valve(EVI BYPASS)
EMI PBA2	Printed circuit board(emi1)	EVI-IN(10K)	Thermistor (Enhanced Vapor Injection_in)	RETURN V/V	Solenoid valve(RETURN)
FAN PBA	Printed circuit board(fan motor)	SUCTION1(10K)	Thermistor (SUCTION1)	4WAY V/V	Solenoid valve(4WAY)
MAIN PBA	Printed circuit board(main)	SUCTION2(10K)	Thermistor (SUCTION2)	CCH1	Crank Case Heater (Compressor1)
HUB PBA	Printed circuit board(hub)	SNOW SENSOR	SNOW SENSOR	CCH2	Crank Case Heater (Compressor1)
COMM PBA	Printed circuit board(communication)	OIL-COMP1	Oil-Sensor(Compressor1)	MAIN COOLING	Solenoid valve(Main cooling)
COMP1	Motor (compressor1)	OIL-COMP2	Oil-Sensor(Compressor2)	HOTGAS2 V/V	Solenoid valve(HOTGAS2)
COMP2	Motor (compressor2)	OUT(10K)	Thermistor (Air)	OD EEV V/V	Solenoid valve(OD EEV)
FAN1	Motor (fan1)	COND(10K)	Thermistor (COND.)	F101	FUSE(inverterPBA)
FAN2	Motor (fan2)	TOP2(200K)	Thermistor (Copressor2 TOP)	690V/T56A	FUSE(EMI PBA)
EVI V/V 1	Solenoid valve (Enhanced Vapor Injection_1)	DIS1(200K)	Thermistor DIS1(200K)	MODE CHANGE	Connector (remote switching cool/heat selector)
EVI V/V 2	Solenoid valve (Enhanced Vapor Injection_2)	DIS2(200K)	Thermistor DIS2(200K)	EXT CON	Connector (Output EXT CON)
EVI EEV	electronic expansion valve(EVI)	LIQUID(10K)	Thermistor LIQUID(10K)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)

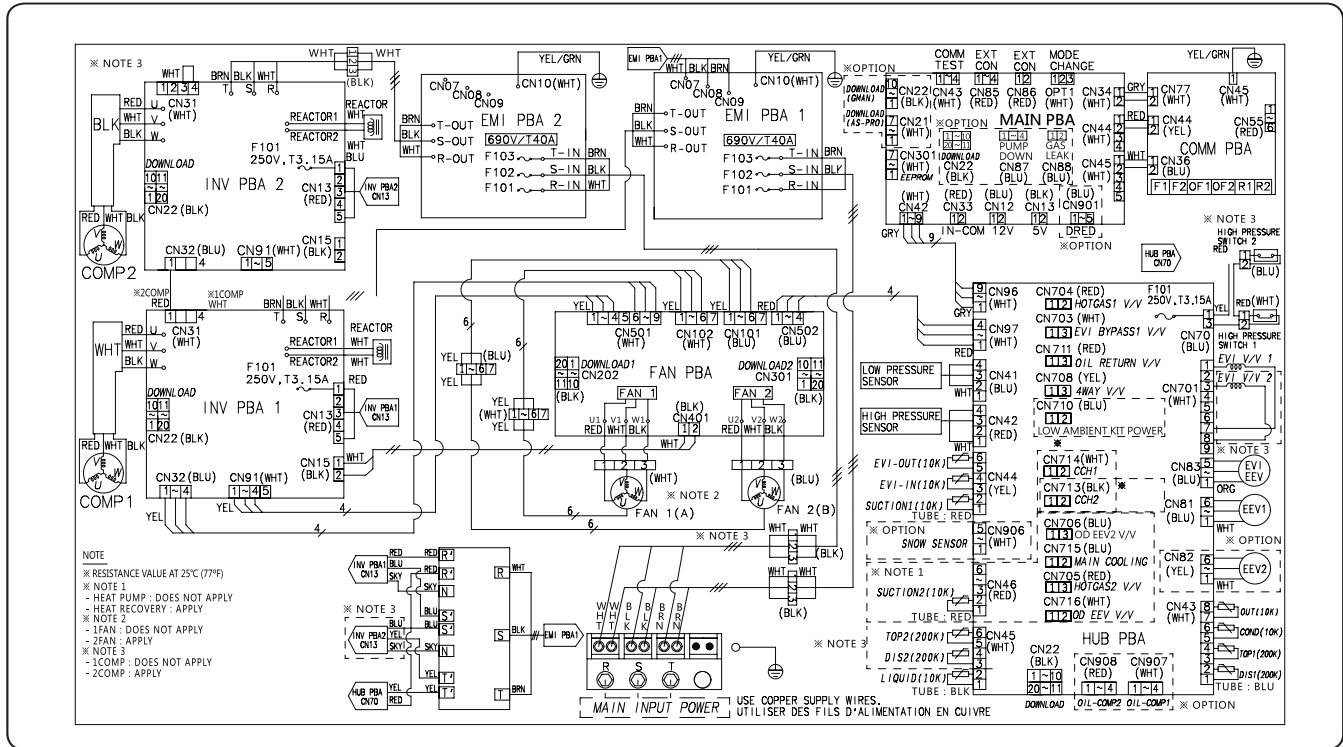
NOTE

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- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.
- Protective earth(SCREW), : connector, : The wire quantity

4. Electrical Wiring Diagram

Outdoor unit

- AM072/096KXVTJH/AA, AM072/096KXVTJR/AA



INV PBA1	Printed circuit board(inverter1)	EEV1	electronic expansion valve 1	LIQUID(10K)	Thermistor LIQUID(10K)
INV PBA2	Printed circuit board(inverter2)	EEV2	electronic expansion valve 2	HOTGAS1 V/V	Solenoid valve(HOTGAS1)
EMI PBA1	Printed circuit board(emi1)	EVI-OUT(10K)	Thermistor (Enhanced Vapor Injection)out	EVI BYPASS V/V	Solenoid valve(EVI BYPASS)
EMI PBA2	Printed circuit board(emi1)	EVI-IN(10K)	Thermistor (Enhanced Vapor Injection_in)	RETURN V/V	Solenoid valve(RETURN)
FAN PBA	Printed circuit board(fan motor)	SUCTION1(10K)	Thermistor (SUCTION1)	4WAY V/V	Solenoid valve(4WAY)
MAIN PBA	Printed circuit board(main)	SUCTION2(10K)	Thermistor (SUCTION2)	CCH1	Crank Case Heater (Compressor1)
HUB PBA	Printed circuit board(hub)	SNOW SENSOR	SNOW SENSOR	CCH2	Crank Case Heater (Compressor1)
COMM PBA	Printed circuit board(communication)	OIL-COMP1	Oil-Sensor(Compressor1)	MAIN COOLING	Solenoid valve(Main cooling)
COMP1	Motor (compressor1)	OIL-COMP2	Oil-Sensor(Compressor2)	HOTGAS2 V/V	Solenoid valve(HOTGAS2)
COMP2	Motor (compressor2)	OUT(10K)	Thermistor (Air)	OD EEV V/V	Solenoid valve(OD EEV)
FAN1	Motor (fan1)	COND(10K)	Thermistor (COND.)	FUSE1	FUSE(inverterPBA)
FAN2	Motor (fan2)	TOP2(200K)	Thermistor (Copressor2 TOP)	F101	FUSE(EMI PBA)
EVI V/V 1	Solenoid valve (Enhanced Vapor Injection_1)	DIS1(200K)	Thermistor DIS1(200K)	MODE CHANGE	Connector (remote switching cool/heat selector)
EVI V/V 2	Solenoid valve (Enhanced Vapor Injection_2)	DIS2(200K)	Thermistor DIS2(200K)	EXT CON	Connector (Output EXT CON)
EVI EEV	electronic expansion valve(EVI)	LIQUID(10K)	Thermistor LIQUID(10K)	ERROR/COMP EXT	Connector (Output ERROR/COMP EXT CON)

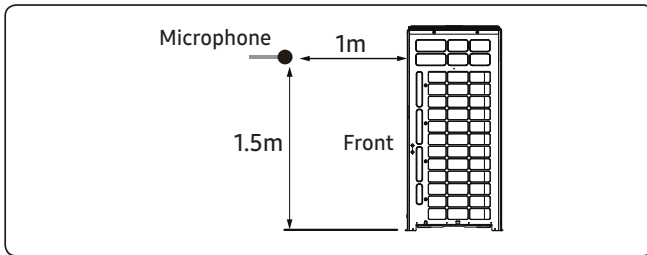
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, org: orange, grn: green
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.
- Protective earth(SCREW), : connector, : The wire quantity

5. Sound Data

Sound Pressure Level

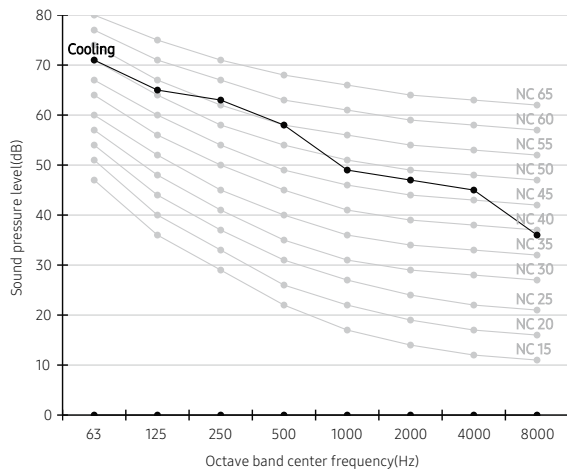
Unit: dB(A)



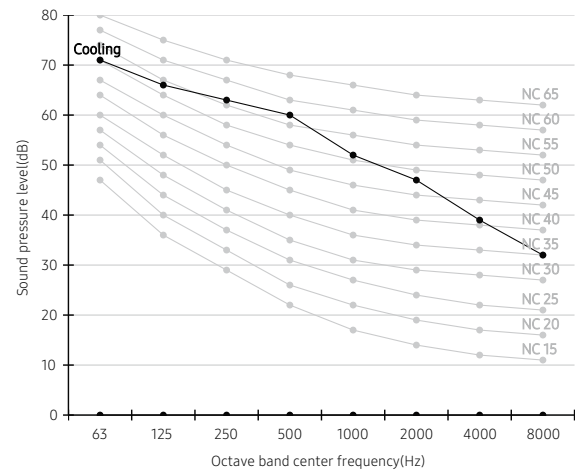
Model	Cooling
AM072*XVT*****	60
AM096*XVT*****	61

- NC Curve

1) AM072*XVT*****



2) AM096*XVT*****



NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dB(A) = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

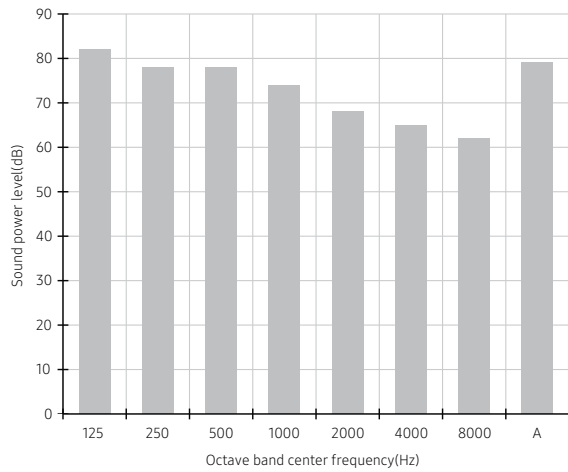
5. Sound Data

Sound Power Level

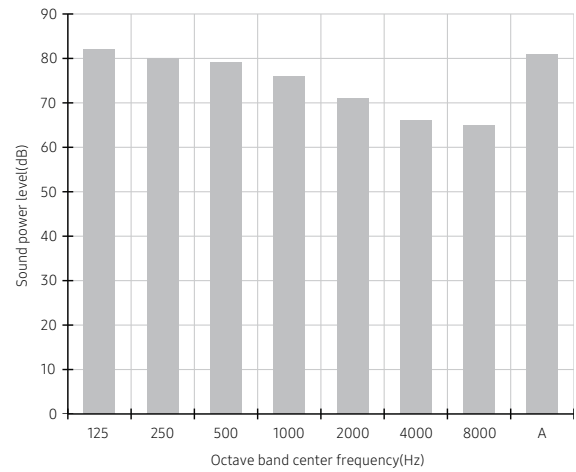
Unit: dB(A)

Model	Power
AM072*XVT*****	80
AM096*XVT*****	81

1) AM072*XVT*****



2) AM096*XVT*****

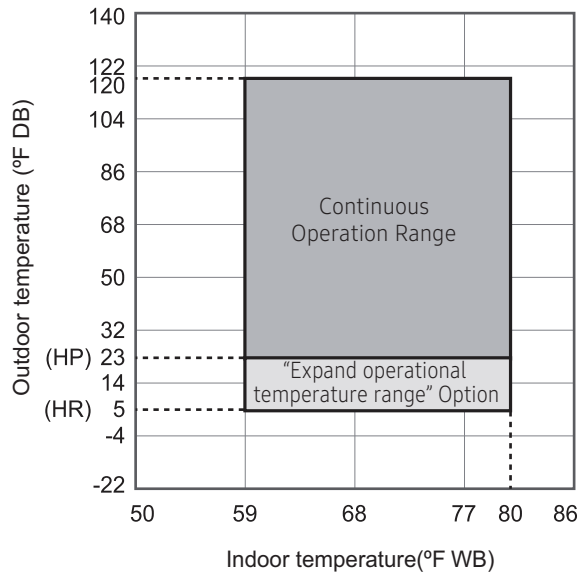


NOTE

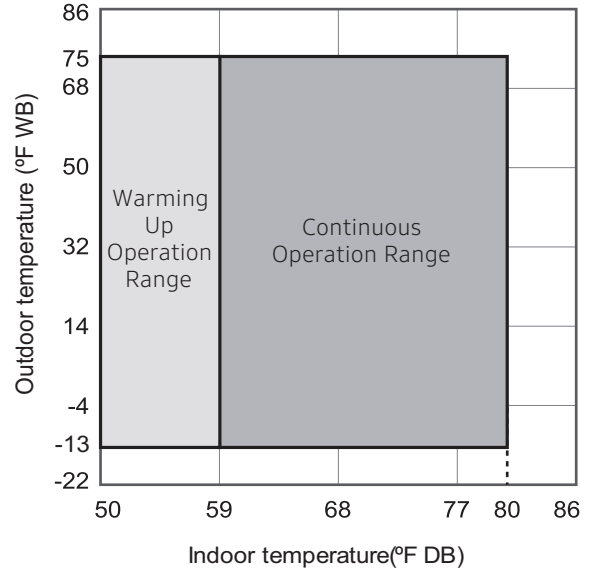
- Specifications may be subject to change without prior notice.
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

6. Operation Range

Cooling



Heating



- (1) The operating range is shown in these figures
- (2) The assumed installation conditions are as follows
 - Outdoor units and indoor units combination
 - The Pipe length(including elbow) is 5m (16.4ft)
 - The Level difference is 0m
- (3) In the low temperature expansion option application, the cooling operating is possible under expand operational range only for HR system
- (4) In case of heating mode, operating is possible under warming up operation range. However continuous operating is impossible due to a protection control

6. Operation Range

Defrosting correction factor

The heating capacity tables do not take account of the reduction in capacity, when frost has accumulated or while the defrosting operation is in progress.

The capacity values, which take these factors into account, in other words, the integrated heating capacity values, can be calculated as follows :

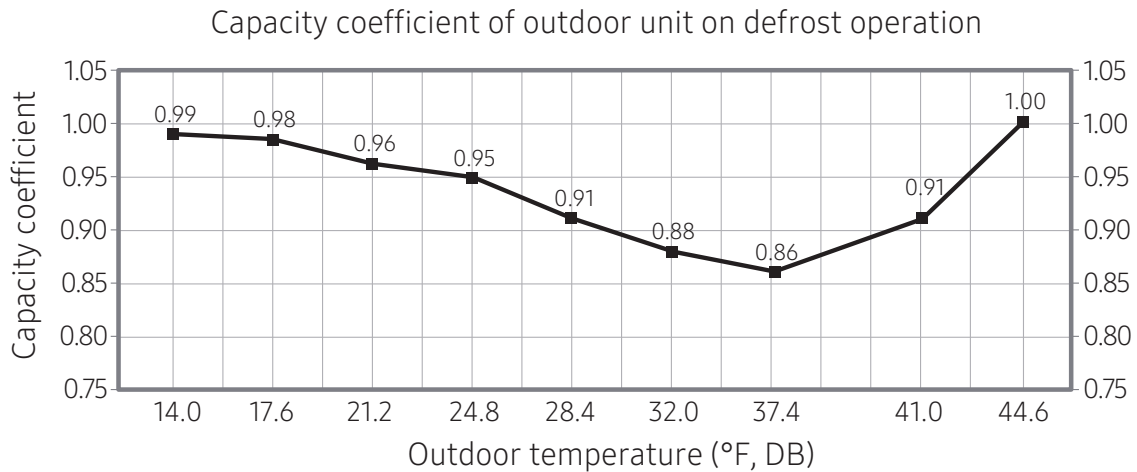
Formula : $A = B \times C$

Integrated heating capacity = A

Value given in table of capacity characteristics = B

Integrating correction factor for frost accumulation (kW) = C

Outdoor temperature (°F, DB)	14	17.6	21.2	24.8	28.4	32	37.4	41	44.6
Capacity coefficient	0.99	0.98	0.96	0.95	0.91	0.88	0.86	0.91	1.00



On heating operation, frost can be formed on heat exchanger according to outdoor temperature.

(Frost on heat exchanger results in decreasing the performance.)

To remove frost on heat exchanger of outdoor unit, defrost operation is carried out periodically.

During defrost operation, capacity of outdoor unit may decrease.

The decrement is not considered to the individual capacity tables.

This figure shows an effect of intelligence defrost operation

It is actually the frost occurrence section from 0 °C(32 °F) or less.

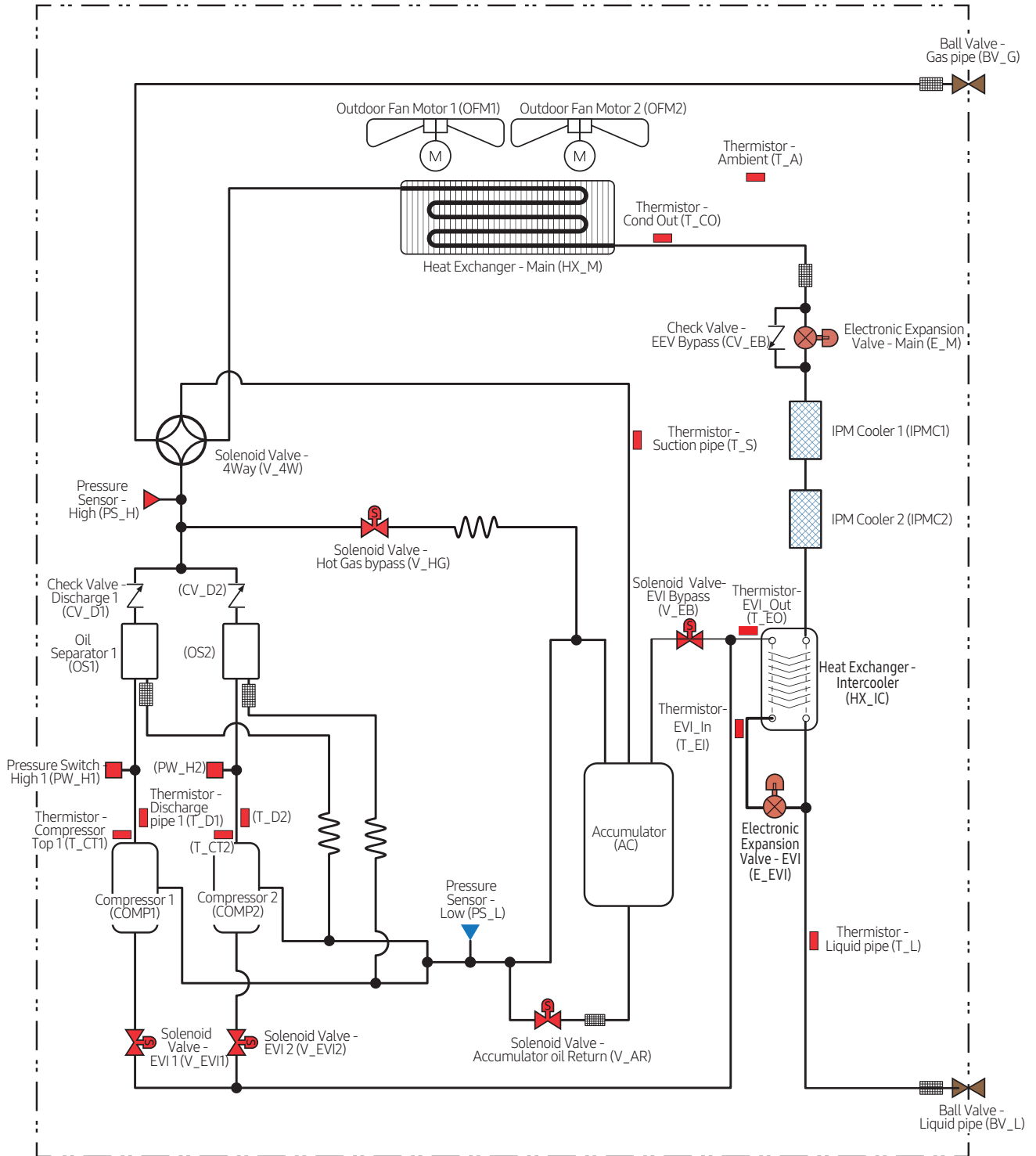
Since the outdoor temperature over 0 °C(32 °F), the heating performance is the same before and after applying intelligence defrost operation

In outdoor conditions below 0 °C(32 °F), frost conditions reflect the actual entering the defrost operation because heating performance is improved

7. Piping Diagram

Outdoor unit

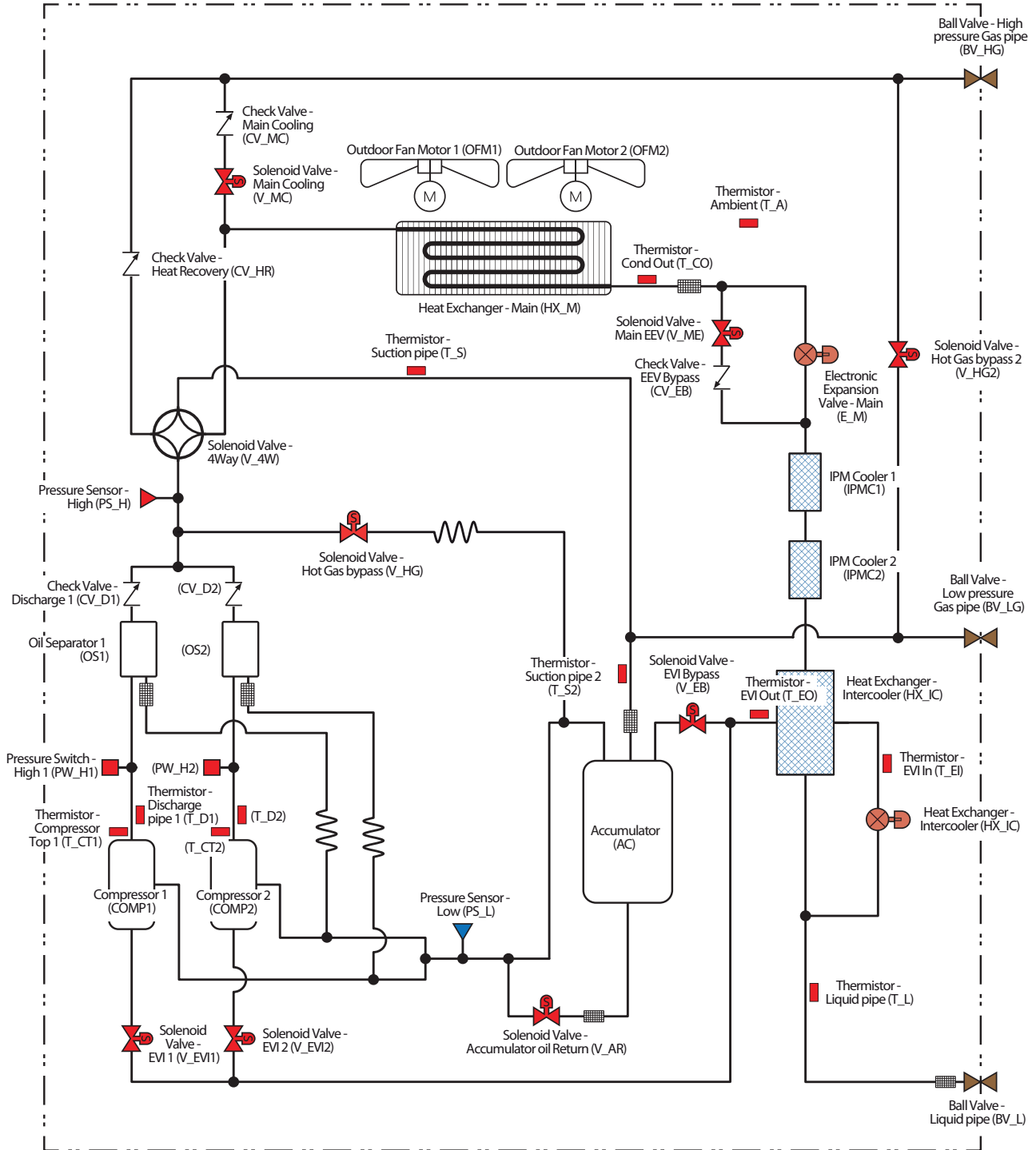
- AM072/096KXVT*H/AA



7. Piping Diagram

Outdoor unit

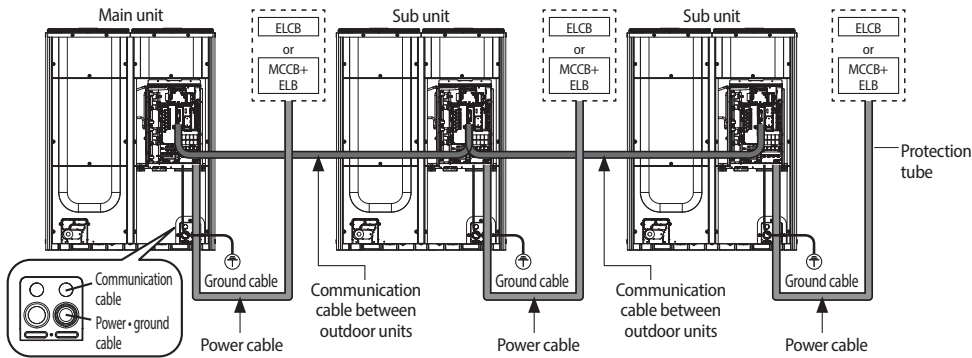
• AM072/096KXVT*R/AA



8. Installation

Power and communication cable configuration

- ▶ Main power and the ground cable must be withdrawn through the knock-out hole on the bottom-right or right side of the cabinet.
- ▶ Withdraw the communication cable from the designated knock-out hole on the bottom-right side of the front part.
- ▶ Install the power and communication cable using separate cable protection tube.
- ▶ Fix a protection tube to the knock-out hole on the outdoor unit by using a CD connector or bushing. Make sure to use insulating bushing.



Specification of the protection tube

Name	Temper grade	Applicable conditions
Flexible PVC conduit	PVC	When the protection tube is installed indoor and not exposed to outside, because it is embedded in concrete structure
Class 1 flexible conduit	Galvanized steel sheet	When the protection tube is installed indoor but exposed to outside so there are risk of damage to the protection tube
Class 1 PVC coated flexible conduit	Galvanized steel sheet and Soft PVC compound	When the protection tube is installed outdoor and exposed to outside so there are risk of damage to the protection tube and extra waterproof is needed

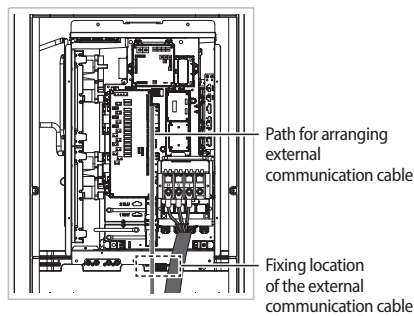


Caution for perforating the knock-out hole

- Perforate a knock-out hole by punching it with a hammer.
- After perforating the knock-out hole, apply rust resisting paint around the hole.
- When you need to pass the cables through the knock-out hole, remove burrs on the hole and protection the cable with a protection tape or bushing etc.

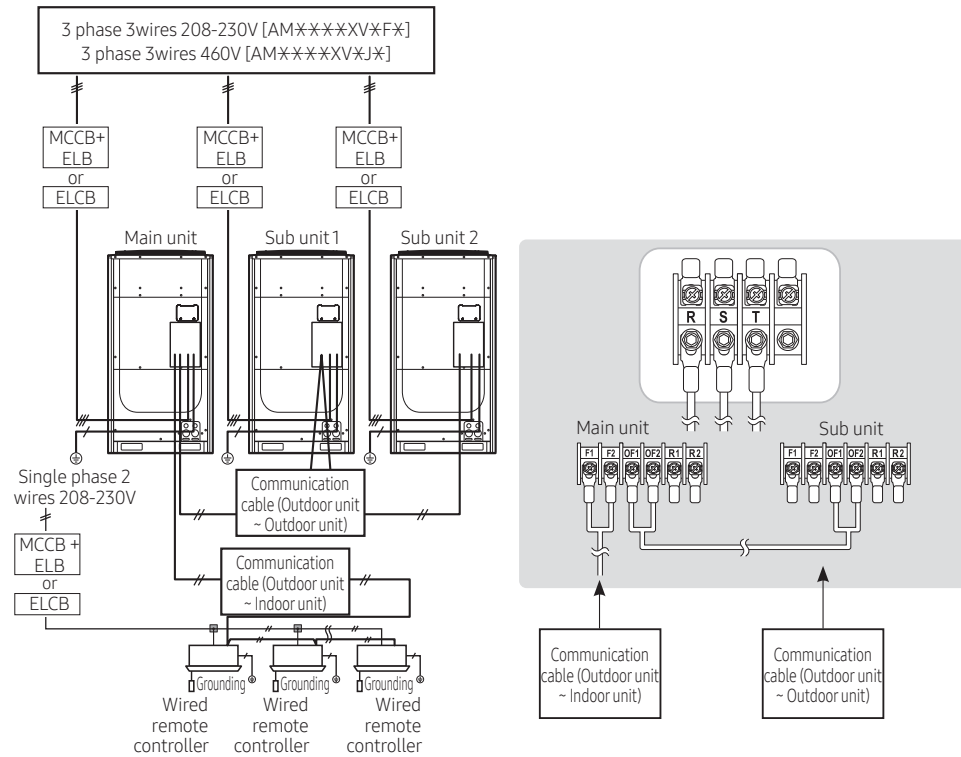
Caution for installing communication cable

- When you connect the cable, it may sag and pressed by other parts. Therefore cables should be fixed to a clamp highlighted with a box on the illustration.



8. Installation

Power wiring diagram



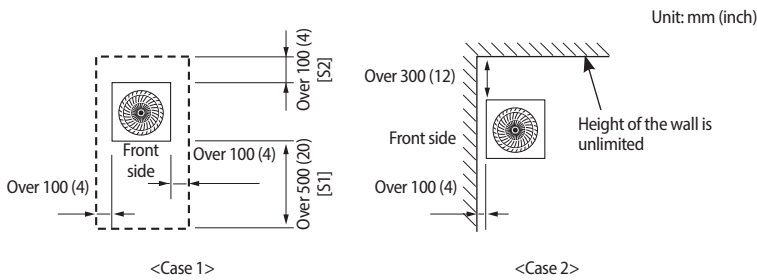
- ▶ Connect a power cable of the outdoor unit after checking that R-S-T (3 phase 3 wire) is properly connected.
- ▶ Malfunction may occur if one or more of the wires among R-S-T phases (3 Phases-3 Wires) are not connected properly. (*Malfunction: Turning on/off, occurrence of error, consecutive reset)
- ▶ Communication cable between indoor and outdoor units and communication cable between outdoor units has no polarity.
- ▶ Arrange the cables with a cable tie.
- ※ ELCB and ELB must be installed since there is risk of electric shock or fire when they are not installed.

8. Installation

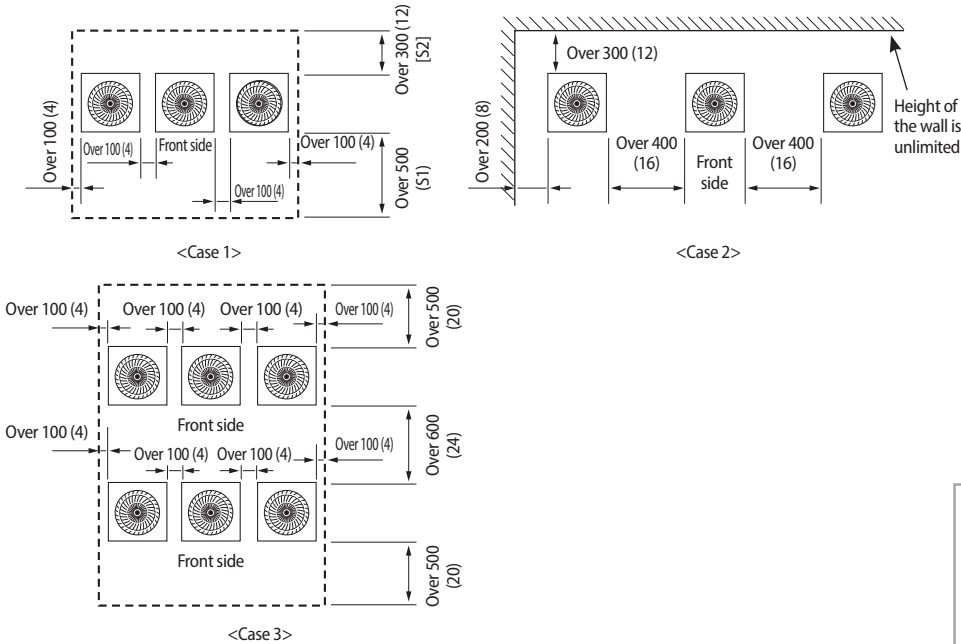
Space requirement for installation

- ▶ Space requirement was decided based on following conditions; Cooling mode, outdoor temperature of 35°C (95°F). Larger space is required if the outdoor temperature is higher than 35°C (95°F) or if the place is heated easily by quantity of solar radiation.
- ▶ When you secure installation space, consider path for people and the direction of the wind.
- ▶ Secure installation space as shown in the below illustration, considering ventilation and the service space.
- ▶ If the installation space is narrow, installer or other worker may get injured during work and may also cause problem to the product.
- ▶ If you install multiple number of outdoor units in one space, make sure to secure enough ventilation space if there's any walls around the product that may disturb the air flow. If enough ventilation space is not secured, product may malfunction.
- ▶ You may install the outdoor units with 20mm (0.78 inch) of space between the product, but product's performance may decrease depending on the installation environment.

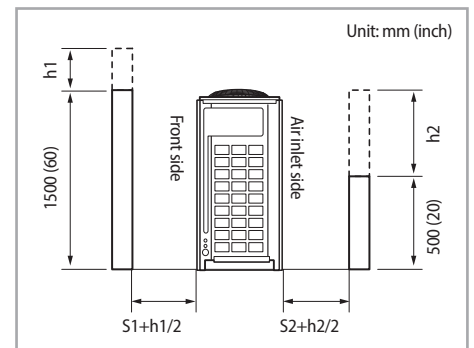
Single installation



Module installation



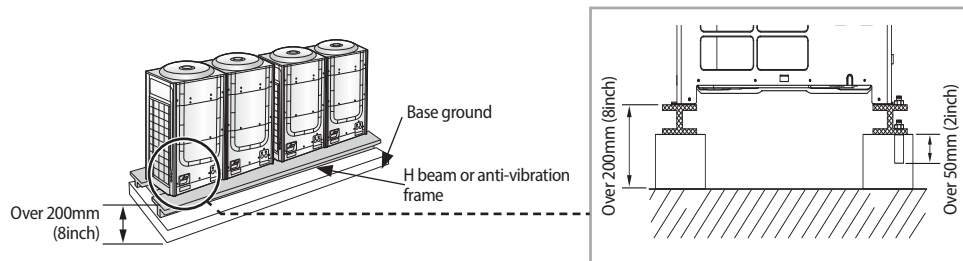
- * For <Case 1> or <Case 3>
 - Height of the wall on the front side should not be higher than 1500mm (60 inch).
 - Height of the wall on the air inlet side should not be higher than 500mm (20 inch).
 - Height of the wall on the side is not limited.
 - If the height of the wall exceeds by certain value (h_1 , h_2), additional clearance $[(h_1)/2, (h_2)/2$: Half of the exceeded distance] should be added to the service space (S_1 , S_2).



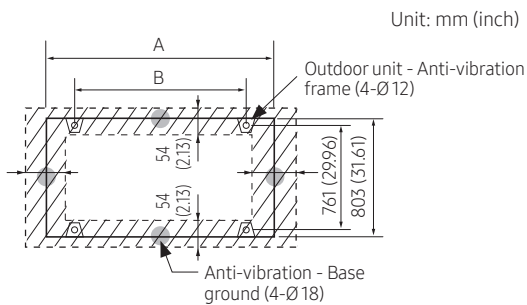
8. Installation

Base construction and installation of the outdoor unit

Outdoor unit installation



Outdoor unit base mount and anchor bolt position



Unit: mm (inch)

Classification	Small type	Large A type	Large B type
A	880 (34.65)	1,295 (50.98)	1,295 (50.98)
B	740 (29.13)	1,150 (45.28)	1,150 (45.28)

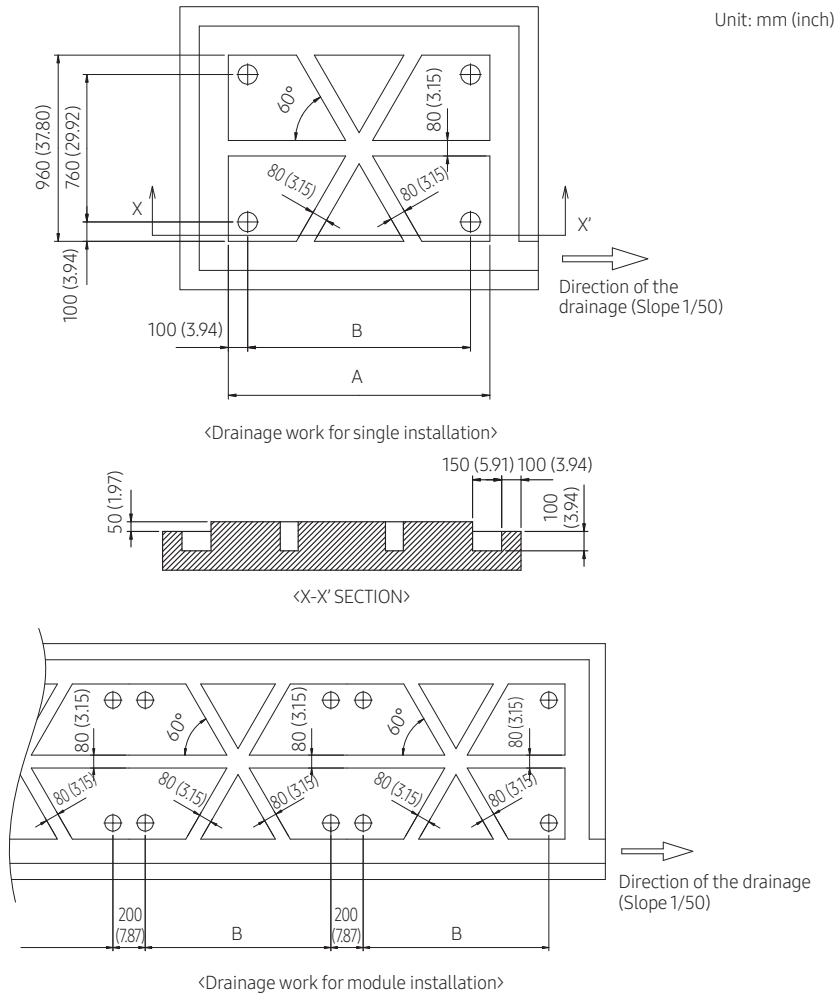
※ Refer to the blueprints in technical data book to make a holes for connecting the anti-vibration pad.

Classification	Small type	Large A type	Large B type
Appearance			

8. Installation

Examples of draining work

- ▶ Construct the drainage ditch with reinforced concretes and make sure that water-proofing work is done.
- ▶ For smooth draining of defrost water, make sure to apply 1/50 slope.
- ▶ Construct a drainage around the outdoor unit to prevent the defrost water (from the outdoor unit) from stagnating, overflowing or freezing near the installation space.
- ▶ When the outdoor unit is installed on the roof, check the strength and waterproof status of the roof.



Unit: mm (inch)

Classification	Small type	Large A type	Large B type
A	940 (37.01)	1,350 (53.15)	1,350 (53.15)
B	740 (29.13)	1,150 (45.28)	1,150 (45.28)

8. Installation

Base construction and installation of the outdoor unit



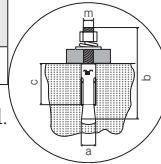
Cautions regarding on connecting the anchor bolt

- ▶ Tighten the rubber washer to prevent the bolt connection part of the outdoor unit from corroding.



- ▶ Anchor specification

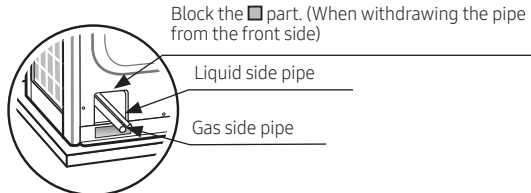
Size	Diameter of drill bit (a)	Anchor length (b)	Sleeve length (b)	Insert depth	Fastening torque
Ø10	14mm (1/2")	75mm (3")	40mm (1-1/2")	50mm (2")	30 N·m



- ※ Use the anchor bolts and nuts that is zinc plated or made of STS material. Regular anchor bolts or nuts may get damaged by corrosion.

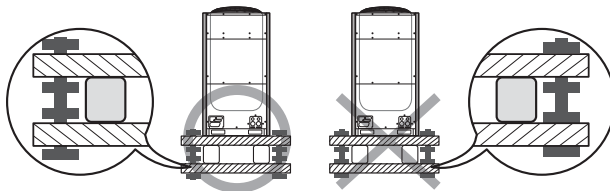
Cautions regarding on connecting the pipe

- ▶ If you install the outdoor unit on the rooftop, check the strength and make sure to waterproof the rooftop.
- ▶ Construct draining pit around the base construction and pay attention to the drainage around the outdoor unit. (Condensation or defrost water may form during outdoor unit operation.)
- ▶ If there's any possibility of small animals from entering the pipe outlet, block the outlet as shown in the illustration.



Cautions regarding on anti-vibration frame installation

- ▶ During installation, make sure there is no gap between the base ground and the supporting structures such as anti-vibration frame or H beam.
- ▶ Base ground must be constructed strongly to support the bottom part of the anti-vibration mount.



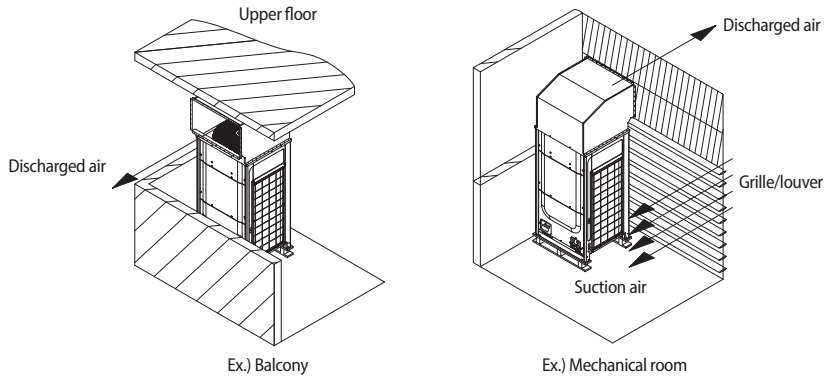
- ▶ After installing the anti-vibration frame, untighten the fixing part on the top and bottom part of the frame.

8. Installation

Installing the wind/snow prevention duct

Installing the outdoor unit around the obstacles

- ▶ It is necessary to install a wind/snow prevention duct (field supply) to direct exhaust from the fan horizontally, when it is difficult to provide a minimum space of 2m (6.56ft) between the air outlet and a nearby obstacle.



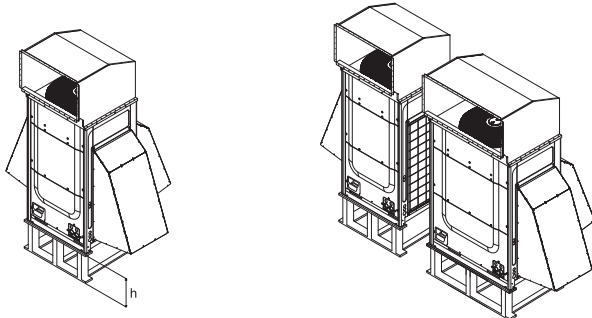
Installing the outdoor unit in cold region

- ▶ In cold regions with lots of snowfall, install a snow prevention duct, as a sufficient countermeasure, to prevent snow from accumulating on the outdoor unit. When the snow prevention duct is not installed, frost may accumulate on the heat exchanger and heating operation may not work normally.
- ▶ Air outlet of the duct should not be directed to the enclosed space.



Caution regarding on installing the frame and selecting the base ground

- Height (h) of the frame and the base ground should be higher than the "heaviest expected snowfall".
- Area of the frame and the base ground should not be larger than the area of the outdoor unit. Snow may accumulate if the area of the frame or the base ground is larger.



8. Installation

Installing the outdoor unit in windy region

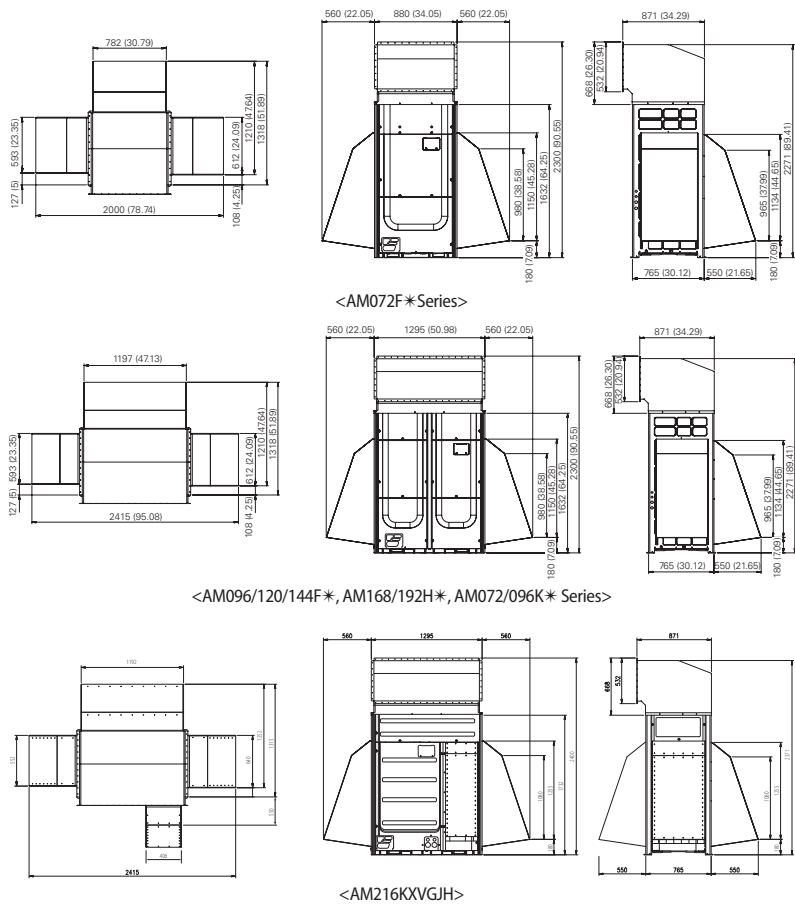
- ▶ In windy regions such as near sea shores, protection wall or wind protection duct must be installed for normal operation of the outdoor unit. (Refer to the illustration of the snow prevention duct, for installing the wind protection duct.)
- ▶ Install the wind prevention duct with the consideration of major wind direction. If the direction of the discharge part is same as major direction of the wind, it could cause product's performance decrease.



Cautions regarding on installing the frame and selecting the base ground

- The base ground must be solid and the outdoor unit must be fixed with anchor bolts.
- Make sure to install outdoor unit in a place strong enough to withstand its weight. If the place cannot withstand the weight of the outdoor unit, outdoor unit may fall and cause personal injury.
- When installing on a rooftop subject to strong wind, countermeasures must be taken to prevent the unit from falling down.
- Use a frame that is resistant to corrosion.

Unit: mm (inch)



8. Installation

Refrigerant pipe installation



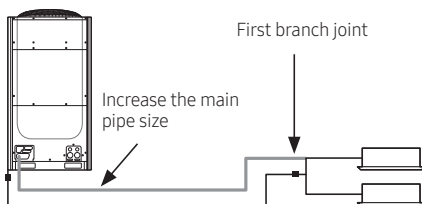
When installing, make sure there is no leakage. When collecting the refrigerant, stop the compressor first before removing the connection pipe. If the refrigerant pipe is not properly connected and the compressor works with the service valve open, the pipe inhales the air and it makes the pressure inside of the refrigerant cycle abnormally high which may lead to explosion and injury.

Refrigerant pipe work

- ▶ The length of refrigerant pipe should be as short as possible and the height difference between an indoor and outdoor unit should be minimized.
- ▶ Piping work must be done within allowable piping length, height difference, and the allowable length after branching.
- ▶ The pressure of the R-410A is high. Use only certified refrigerant pipe and follow the installation method.
- ▶ After installing the pipes, calculate the total length of the pipe to check if additional refrigerant is needed. When you need to charge the additional refrigerant, make sure to use R-410A refrigerant.
- ▶ Use clean refrigerant pipe and there shouldn't be any harmful ion, oxide, dust, iron content or moisture inside pipe.
- ▶ Use tools and accessories that fit on R-410A only.

Tool	Installation process/purpose	Compatibility with conventional tool
Pipe cutter	Pipe cutting	Compatible
Flaring tool	Pipe flaring	
Refrigerant machine oil	Refrigerant pipe installation Apply refrigerant oil on flared part	Exclusive ether oil, ester oil, alkali benzene oil or synthetic oil
Torque wrench	Connect flare nut with pipe	Compatible
Pipe bender	Pipe bending	
Nitrogen gas	Air tightness test Prevent oxidation within the pipe	
Welder	Pipe welding	
Manifold gage	Air tightness test ~ additional refrigerant charging	Need exclusive one to prevent mixture of R-22 refrigerant oil use and also the measurement is not available due to high pressure
Refrigerant charging hose		Need exclusive one since there is risk of refrigerant leakage or inflow of impurities
Vacuum pump	Pipe drying	Compatible (Use products which contain the check valve to prevent the oil from flowing backward into the outdoor unit.) Use the one that can be vacuumed up to -100.7kpa(5Torr).
Scale for refrigerant charging	Charging refrigerant	Compatible
Gas leak detector	Gas leak test	Need exclusive one (Ones used for R-134a is compatible)
Flare nut	Must use the flare nut equipped with the product. Refrigerant leakage may occur when the conventional flare nut for R-22 is used.	

Selecting refrigerant pipe

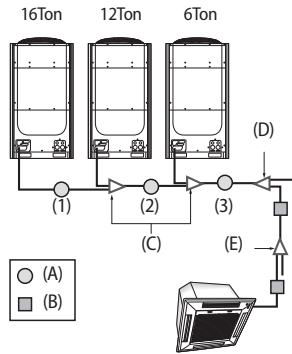


- ▶ Install the refrigerant pipe according to main pipe size of each outdoor unit capacity.
- ▶ When the pipe length (including elbow) between an outdoor unit and the farthest indoor unit exceeds 90m (295.28ft), you must increase the size of the pipe (main pipe) by one grade which connects between the outdoor unit to the first branch joint.
- ▶ For H/R model, When the pipe length (including elbow) between an outdoor unit and the farthest indoor unit exceeds 90m, you must increase the size of the liquid pipe by one grade among the pipes(main pipe) which connects between the outdoor unit to the first branch joint.

8. Installation

Refrigerant pipe installation

H/P



Ex.) 34 Ton

Ton	No.	Pipe size (O.D)			
		Liquid pipe		Gas pipe	
		mm	inch	mm	inch
16	(1)	15.88	5/8	28.58	1 1/8
28	(2)	19.05	3/4	34.92	1 3/8
34	(3)	19.05	3/4	41.28	1 5/8

Size of the pipe connected to the outdoor unit (A)

Select the size of the pipe according to the below table.

Outdoor unit capacity			Main pipe length within 90m (295.3ft)				Size up(Main pipe length over 90m (295.3ft))			
Ton	MBH	KW	Liquid		Gas		Liquid		Gas	
			mm	inch	mm	inch	mm	inch	mm	inch
6	72	21.1	9.52	3/8	19.05	3/4	12.7	1/2	22.22	7/8
8	96	28.1	9.52	3/8	22.22	7/8	12.7	1/2	25.4	1 note1)
10	120	35.2	12.7	1/2	28.58	1 1/8	15.88	5/8	28.58	1 1/8
12	144	42.2	12.7	1/2	28.58	1 1/8	15.88	5/8	31.75	1 1/4 note2)
14	168	49.2	15.88	5/8	28.58	1 1/8	19.05	3/4	31.75	1 1/4 note2)
16	192	56.3	15.88	5/8	28.58	1 1/8	19.05	3/4	31.75	1 1/4 note2)
18	216	63.3	15.88	5/8	28.58	1 1/8	19.05	3/4	31.75	1 1/4 note2)
20	240	70.3	15.88	5/8	28.58	1 1/8	19.05	3/4	31.75	1 1/4 note2)
22	264	77.4	19.05	3/4	34.92	1 3/8	22.22	7/8	38.1	1 1/2 note3)
24	288	84.4	19.05	3/4	34.92	1 3/8	22.22	7/8	38.1	1 1/2 note3)
26	312	91.4	19.05	3/4	34.92	1 3/8	22.22	7/8	38.1	1 1/2 note3)
28	336	98.4	19.05	3/4	34.92	1 3/8	22.22	7/8	38.1	1 1/2 note3)
30	360	105.5	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
32	384	112.5	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
34	408	119.5	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
36	432	126.6	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
38	456	133.6	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
40	480	140.7	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
42	504	147.7	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
44	528	154.7	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8

Note1) If 1" (25.4mm) pipe is not available on site, use 1 1/8" (28.58mm) pipe.

Note2) If 1 1/4" (31.75mm) pipe is not available on site, use 1 3/8" (34.92mm) pipe.

Note3) If 1 1/2" (38.1mm) pipe is not available on site, use 1 5/8" (41.28mm) pipe.

8. Installation

Size of the pipe between branch joints (B)

Select the pipe size according to the sum of indoor unit capacity which will be connected after the branch.

Indoor unit capacity		Branch pipe length within 45m(147.6ft) ^{note1)}				Branch pipe length between 45~90m(147.6~295.3ft) ^{note1)}			
		Liquid		Gas		Liquid		Gas	
MBH	KW	mm	inch	mm	inch	mm	inch	mm	inch
~51	~15.0	9.52	3/8	15.88	5/8	12.7	1/2	19.05	3/4
51~76	15.0~22.4	9.52	3/8	19.05	3/4	12.7	1/2	22.22	7/8
76~96	22.4~28.1	9.52	3/8	22.22	7/8	12.7	1/2	25.4	1 ^{note2)}
96~136	28.1~40.0	12.7	1/2	28.58	1 1/8	15.88	5/8	28.58	1 1/8
136~154	40.0~45.0	12.7	1/2	28.58	1 1/8	15.88	5/8	31.75	1 1/4 ^{note3)}
154~240	45.0~70.3	15.88	5/8	28.58	1 1/8	19.05	3/4	31.75	1 1/4 ^{note3)}
240~336	70.3~98.4	19.05	3/4	34.92	1 3/8	22.22	7/8	38.1	1 1/2 ^{note4)}
336~461	98.4~135.2	19.05	3/4	41.28	1 5/8	22.22	7/8	41.28	1 5/8
461~577	135.2~169	19.05	3/4	41.28	1 5/8	22.22	7/8	53.98	2 1/8
577 ~	169.0 ~	22.22	7/8	53.98	2 1/8	25.40	1	53.98	2 1/8

Note1) **Note on measuring distance between branch joints (B)** : You must measure the distance between first branch joint to the last indoor unit. (NOT from first joint to the last branch joint)

Note2) If 1" (25.4mm) pipe is not available on site, use 1 1/8" (28.58mm) pipe.

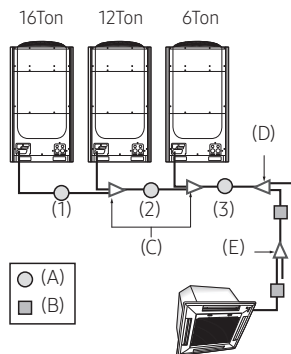
Note3) If 1 1/4" (31.75mm) pipe is not available on site, use 1 3/8" (34.92mm) pipe.

Note4) If 1 1/2" (38.1mm) pipe is not available on site, use 1 5/8" (41.28mm) pipe.

Size of the pipe between the branch joint and the indoor unit

Make a selection according to outdoor unit capacity.

Indoor unit capacity		Pipe Size(O.D)			
		Liquid		Gas	
MBH	KW	mm	inch	mm	inch
~20	~6.0	6.35	1/4	12.7	1/2
21~52	6.1~16.0	9.52	3/8	15.88	5/8
53~78	16.1~23.0	9.52	3/8	19.05	3/4
Over 78	Over 23.0	9.52	3/8	22.22	7/8



Branch joint

► Branch joint between outdoor units (C)

Classification	Model name	Specification	
		MBH	kW
Y-joint for outdoor unit (C)	MXJ-TA3819M	461 and below	135.2 and below
	MXJ-TA4422M	478 and over	140.2 and over

8. Installation

► First branch joint (D)

Make a selection according to outdoor unit capacity.

Classification	Model name	Outdoor unit capacity	
		MBH	kW
Y-joint (D)	MXJ-YA2512M	Over 51 ~ 136 and below	Over 15.0 ~ 40.0 and below
	MXJ-YA2812M	Over 136 ~ 154 and below	Over 40.0 ~ 45.0 and below
	MXJ-YA2815M	Over 154 ~ 240 and below	Over 45.0 ~ 70.3 and below
	MXJ-YA3419M	Over 240 ~ 336 and below	Over 70.3 ~ 98.4 and below
	MXJ-YA4119M	Over 336 ~ 461 and below	Over 98.4 ~ 135.2 and below
	MXJ-YA4422M	Over 461	Over 135.2

► Branch joint (E)

Select a branch joint according to the sum of indoor unit capacity which will be connected after the branch.

1) Y-joint

Classification	Model name	Specification	
		MBH	kW
Y-joint (E)	MXJ-YA1509M	51 and below	15.0 and below
	MXJ-YA2512M	Over 51 ~ 136 and below	Over 15.0 ~ 40.0 and below
	MXJ-YA2812M	Over 136 ~ 154 and below	Over 40.0 ~ 45.0 and below
	MXJ-YA2815M	Over 154 ~ 240 and below	Over 45.0 ~ 70.3 and below
	MXJ-YA3419M	Over 240 ~ 336 and below	Over 70.3 ~ 98.4 and below
	MXJ-YA4119M	Over 336 ~ 461 and below	Over 98.4 ~ 135.2 and below
	MXJ-YA4422M	Over 461	Over 135.2

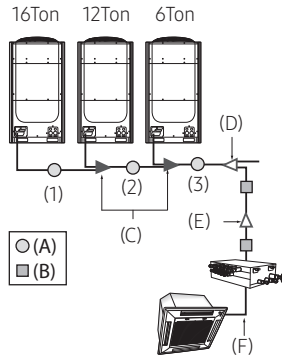
2) Distribution header

Classification	Model name	Specification	
		MBH	kW
Distribution header (E)	MXJ-HA2512M	154 and below (for 4 rooms)	45.0 and below (for 4 rooms)
	MXJ-HA3115M	240 and below (for 8 rooms)	70.3 and below (for 8 rooms)
	MXJ-HA3819M	Over 240 (for 8 rooms)	Over 70.3 (for 8 rooms)

8. Installation

Refrigerant pipe installation

H/R



Ex.) 34 Ton

Ton	No.	Pipe size (O.D)					
		Liquid		Gas		High pressure Gas	
		mm	inch	mm	inch	mm	inch
10	(1)	15.88	5/8	28.58	1 1/8	28.58	1 1/8
28	(2)	19.05	3/4	34.92	1 3/8	28.58	1 1/8
34	(3)	19.05	3/4	41.28	1 5/8	34.92	1 3/8

Size of the pipe connected to the outdoor unit (A)

Select the size of the pipe according to the below table.

Outdoor unit capacity			Main pipe length within 90m (295.3ft)						Size up(Main pipe length over 90m (295.3ft))					
Ton	MBH	KW	Liquid		Gas		High pressure Gas		Liquid		Gas		High pressure Gas	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
6	72	21.1	9.52	3/8	19.05	3/4	15.88	5/8	12.7	1/2	19.05	3/4	15.88	5/8
8	96	28.1	9.52	3/8	22.22	7/8	19.05	3/4	12.7	1/2	22.22	7/8	19.05	3/4
10	120	35.2	12.7	1/2	28.58	1 1/8	22.22	7/8	15.88	5/8	28.58	1 1/8	22.22	7/8
12	144	42.2	12.7	1/2	28.58	1 1/8	22.22	7/8	15.88	5/8	28.58	1 1/8	22.22	7/8
14	168	49.2	15.88	5/8	28.58	1 1/8	22.22	7/8	19.05	3/4	28.58	1 1/8	22.22	7/8
16	192	56.3	15.88	5/8	28.58	1 1/8	28.58	1 1/8	19.05	3/4	28.58	1 1/8	28.58	1 1/8
18	216	63.3	15.88	5/8	28.58	1 1/8	28.58	1 1/8	19.05	3/4	28.58	1 1/8	28.58	1 1/8
20	240	70.3	15.88	5/8	28.58	1 1/8	28.58	1 1/8	19.05	3/4	28.58	1 1/8	28.58	1 1/8
22	264	77.4	19.05	3/4	34.92	1 3/8	28.58	1 1/8	22.22	7/8	34.92	1 3/8	28.58	1 1/8
24	288	84.4	19.05	3/4	34.92	1 3/8	28.58	1 1/8	22.22	7/8	34.92	1 3/8	28.58	1 1/8
26	312	91.4	19.05	3/4	34.92	1 3/8	28.58	1 1/8	22.22	7/8	34.92	1 3/8	28.58	1 1/8
28	336	98.4	19.05	3/4	34.92	1 3/8	28.58	1 1/8	22.22	7/8	34.92	1 3/8	28.58	1 1/8
30	360	105.5	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
32	384	112.5	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
34	408	119.5	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
36	432	126.6	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
38	456	133.6	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
40	480	140.7	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
42	504	147.7	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8
44	528	154.7	19.05	3/4	41.28	1 5/8	34.92	1 3/8	22.22	7/8	41.28	1 5/8	34.92	1 3/8

※ For HR model, only increase the size of the liquid pipe If pipe length exceeds 90m

8. Installation

Size of the pipe between branch joints (B)

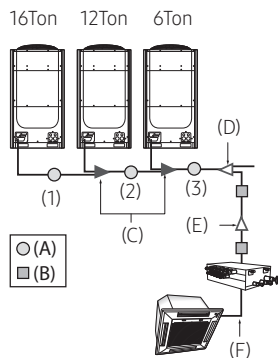
Select the pipe size according to the sum of indoor unit capacity which will be connected after the branch.

Indoor unit capacity		Pipe size (O.D)					
		Liquid		Gas		High pressure Gas	
MBH	KW	mm	inch	mm	inch	mm	inch
~51	~15.0	9.52	3/8	15.88	5/8	15.88	5/8
51~76	15.0~22.4	9.52	3/8	19.05	3/4	15.88	5/8
76~96	22.4~28.1	9.52	3/8	22.22	7/8	19.05	3/4
96~115	28.1~33.6	12.7	1/2	28.58	1 1/8	19.05	3/4
115~154	33.6~45.0	12.7	1/2	28.58	1 1/8	22.22	7/8
154~172	45.0~50.4	15.88	5/8	28.58	1 1/8	22.22	7/8
172~240	50.4~70.3	15.88	5/8	28.58	1 1/8	28.58	1 1/8
240~336	70.3~98.4	19.05	3/4	34.92	1 3/8	28.58	1 1/8
336~360	98.4~105.5	19.05	3/4	41.28	1 5/8	28.58	1 1/8
360~461	105.5~135.2	19.05	3/4	41.28	1 5/8	34.92	1 3/8
461~577	135.2~169	19.05	3/4	41.28	1 5/8	34.92	1 3/8
577 ~	169.0 ~	22.22	7/8	53.98	2 1/8	41.28	1 5/8

Size of the pipe between the branch joint and the indoor unit

Make a selection according to outdoor unit capacity.

Indoor unit capacity		Pipe Size(O.D)			
		Liquid		Gas	
MBH	KW	mm	inch	mm	inch
~20	~6.0	6.35	1/4	12.7	1/2
24~52	7.1~16.0	9.52	3/8	15.88	5/8
68~78	20.0~23.0	9.52	3/8	19.05	3/4
78~96	23.0~29.0	9.52	3/8	22.22	7/8



8. Installation

Refrigerant pipe installation

Branch joint

- ▶ Branch joint between outdoor units (C)

Classification	Model name	Specification	
		MBH	kW
Liquid/Low pressure Y-joint (C)	MXJ-TA3819M	461 and below	135.2 and below
	MXJ-TA4422M	478 and over	140.2 and over
High pressure Y-joint (C)	MXJ-TA3100M	461 and below	135.2 and below
	MXJ-TA3800M	478 and over	140.2 and over

- ▶ First branch joint (D)

Make a selection according to outdoor unit capacity.

Classification	Model name	Outdoor unit capacity	
		MBH	kW
Liquid/Low pressure Y-joint (D)	MXJ-YA2512M	Over 51 ~ 136 and below	Over 15.0 ~ 40.0 and below
	MXJ-YA2812M	Over 136 ~ 154 and below	Over 40.0 ~ 45.0 and below
	MXJ-YA2815M	Over 154 ~ 240 and below	Over 45.0 ~ 70.3 and below
	MXJ-YA3419M	Over 240 ~ 336 and below	Over 70.3 ~ 98.4 and below
	MXJ-YA4119M	Over 336 ~ 461 and below	Over 98.4 ~ 135.2 and below
	MXJ-YA4422M	Over 461	Over 135.2
High pressure Y-joint (D)	MXJ-YA1500M	76 and below	22.4 and below
	MXJ-YA2500M	Over 76 ~ 240 and below	Over 22.4 ~ 70.3 and below
	MXJ-YA3100M	Over 240 ~ 461 and below	Over 70.3 ~ 135.2 and below
	MXJ-YA3800M	Over 461	Over 135.2

- ▶ Branch joint (E)

Select a branch joint according to the sum of indoor unit capacity which will be connected after the branch.

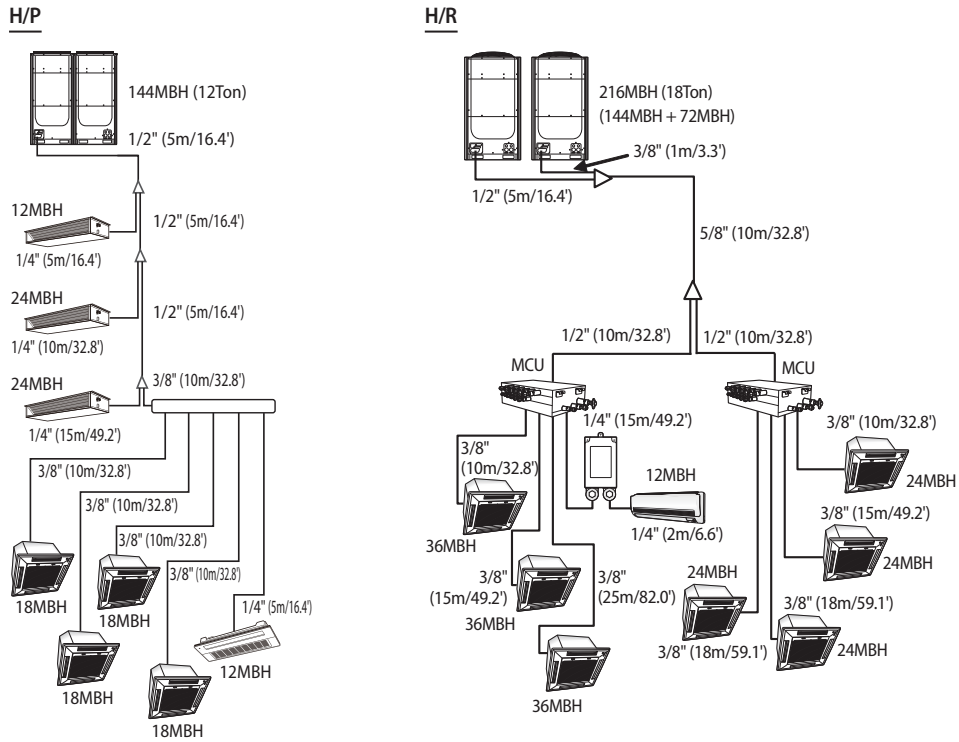
- Y-joint

Classification	Model name	Specification	
		MBH	kW
Y-joint (E)	MXJ-YA1509M	51 and below	15.0 and below
	MXJ-YA2512M	Over 51 ~ 136 and below	Over 15.0 ~ 40.0 and below
	MXJ-YA2812M	Over 136 ~ 154 and below	Over 40.0 ~ 45.0 and below
	MXJ-YA2815M	Over 154 ~ 240 and below	Over 45.0 ~ 70.3 and below
	MXJ-YA3419M	Over 240 ~ 336 and below	Over 70.3 ~ 98.4 and below
	MXJ-YA4119M	Over 336 ~ 461 and below	Over 98.4 ~ 135.2 and below
	MXJ-YA4422M	Over 461	Over 135.2
Y-joint (E) (Only H/R)	MXJ-YA1500M	76 and below	22.4 and below
	MXJ-YA2500M	Over 76 ~ 240 and below	Over 22.4 ~ 70.3 and below
	MXJ-YA3100M	Over 240 ~ 461 and below	Over 70.3 ~ 135.2 and below
	MXJ-YA3800M	Over 461	Over 135.2

8. Installation

Refrigerant pipe installation

Basic type - additional refrigerant



Branch joint

- ▶ Basic amount of refrigerant within the outdoor unit
- Amount of additional refrigerant has to be calculated based on the sum of all liquid pipe length.

Classification	AM072F*	AM096F*	AM120F*	AM144F*	AM168H*	AM192H*
Basic type [kg (lb)]	5.5 (12.1)	7.4 (16.3)	7.4 (16.3)	8.7 (19.2)	11.0 (24.3)	11.0 (24.3)

Classification	AM072K*	AM096K*	AM216KXVGJH
Basic type [kg (lb)]	8.4 (18.5)	8.4 (18.5)	12.5 (27.6)

8. Installation

- ▶ Amount of additional refrigerant depending on the pipe size (a)
- Amount of additional refrigerant has to be calculated based on the sum of all liquid pipe length.

Size of liquid pipe [mm (inch)]	Ø6.35 (Ø1/4)	Ø9.52 (Ø3/8)	Ø12.70 (Ø1/2)	Ø15.88 (Ø5/8)	Ø19.05 (Ø3/4)	Ø22.23 (Ø7/8)	Ø25.40 (Ø1)
Additional amount [kg/m (lb/ft)]	0.02 (0.013)	0.06 (0.040)	0.125 (0.084)	0.18 (0.121)	0.27 (0.181)	0.35 (0.235)	0.53 (0.356)

- For the indoor unit already connected to EEV kit, the additional refrigerant charging is 0.0067lb per feet regardless of the pipe size.

- ▶ Amount of additional refrigerant for each indoor unit (b)

(Unit : kg(lb))

Capacity (kBtu) Model	6	6.3	7	7.5	9	9.5	12	15	18	20	23.2	24	27	28	30	36	42	48	54	60	72	76.8	96	
1way cassette (AMXXXFN1DCX)				0.25 (0.55)	0.25 (0.55)	0.25 (0.55)																		
4way cassette S (600x600) (AMXXXFNNDXX) (AMXXXKNNDXX)						0.29 (0.64)	0.29 (0.64)		0.37 (0.82)	0.37 (0.82)														
4way cassette S (AMXXXFN4DCX)					0.45 (0.99)	0.45 (0.99)		0.45 (0.99)	0.45 (0.99)			0.45 (0.99)			0.69 (1.52)	0.69 (1.52)		0.69 (1.52)						
4way cassette S (AMXXXJN4PCX), (AMXXXJN4DCX)		0.45 (0.99)													1.00 (2.20)			1.00 (2.20)						
360 cassette (AMXXXKN4DCX)					0.45 (0.99)	0.45 (0.99)		0.45 (0.99)	0.45 (0.99)			0.45 (0.99)			0.69 (1.52)	0.69 (1.52)		0.69 (1.52)						
Floor Standing Unit (AMXXXJNFDCX), (AMXXXJNGDCX)	0.12 (0.26)					0.22 (0.49)	0.22 (0.49)		0.32 (0.71)			0.32 (0.71)												
Slim duct (AMXXXFNLDXX)					0.35 (0.77)	0.35 (0.77)	0.35 (0.77)		0.45 (0.99)			0.45 (0.99)			0.42 (0.93)	0.42 (0.93)		0.62 (1.37)						
MA duct (AMXXXJNMDCX), (AMXXXJNHDCX)					0.37 (0.82)	0.37 (0.82)	0.37 (0.82)	0.37 (0.82)	0.54 (1.19)			0.47 (1.04)	0.47 (1.04)		0.47 (1.04)	0.68 (1.50)		0.68 (1.50)						
MA duct (AMXXXJNMPXX)		0.37 (0.82)							0.68 (1.50)					0.68 (1.50)				0.68 (1.50)						
MSP duct (AMXXXFNMDXX)									0.28 (0.62)			0.28 (0.62)			0.54 (1.19)	0.54 (1.19)		0.68 (1.50)						
HSP duct (AMXXXFNHDCX)																		0.68 (1.50)	0.68 (1.50)				1.18 (2.60)	1.18 (2.60)
Wall mounted (AMXXXHNQDCX)					0.34 (0.75)	0.34 (0.75)	0.34 (0.75)		0.34 (0.75)	0.51 (1.12)	0.51 (1.12)													
Ceiling (AMXXXFNDCX), (AMXXXJNCDCX)									0.39 (0.86)			0.39 (0.86)				0.56 (1.23)		0.95 (2.09)						
V-AHU (AMXXXJNZDCX)							0.33 (0.73)		0.50 (1.10)			0.50 (1.10)			0.83 (1.83)	0.88 (1.94)		1.18 (2.60)	1.27 (2.80)	1.69 (3.73)	1.69 (3.73)			
OAP duct (AMXXXJNECXX)																						1.18 (2.60)	1.18 (2.60)	

- ▶ Additional refrigerant charging of MCU is 0.5kg (1.1lb) for every MCU kit
- ▶ If AHU Kit is included among the indoor units, add 0.018kg(0.04lb) of refrigerant for every 1MBH of AHU capacity increase.

8. Installation

Refrigerant pipe installation

- ▶ Method to calculate total amount of additional refrigerant
 - Amount of additional refrigerant depending on the pipe length (Ⓐ)
 - Amount of additional refrigerant for each indoor unit (Ⓑ) = Σ (Amount of additional refrigerant for each connected indoor unit) ※ Refer to the table
 - Total amount of additional refrigerant = Ⓐ+Ⓑ
- ※ Sum of total amount of additional refrigerant and the basic amount of refrigerant should not exceed 100kg (220lb). If the refrigerant exceeds 100kg (220lb), separate the module so that weight of the refrigerant doesn't exceed 100kg (220lb).
 - Ex.) For AM144XXX, basic amount of refrigerant is 8.7kg (19.1lb), therefore total amount of additional refrigerant (Ⓐ+Ⓑ) should not exceed 91.3kg (200.9lb).
- ▶ Example of refrigerant calculation for HP models

Classification	Size of liquid pipe [mm (inch)]	Length [m (ft)]	Unit amount of refrigerant [kg/m (lb/ft)]	Amount of additional refrigerant [kg (lb)]	Total amount of additional refrigerant [kg (lb)]
		①	②	①×②	Σ (①×②)
Liquid pipe (Ⓐ)	Ø6.35 (Ø1/4)	35 (114.8)	0.02 (0.013)	0.7 (1.49)	5.575 (12.19)
	Ø9.52 (Ø3/8)	50 (164.0)	0.06 (0.040)	3.0 (6.56)	
	Ø12.70 (Ø1/2)	15 (49.2)	0.125 (0.084)	1.875 (4.13)	

Classification	Model name of indoor unit	Number of units	Unit amount of refrigerant [kg/EA (lb/EA)]	Amount of additional refrigerant [kg (lb)]	Total amount of additional refrigerant [kg (lb)]
		①	②	①×②	Σ (①×②)
Indoor unit (Ⓑ)	4way cassette (AM018FN4DCH)	4	0.45 (0.99)	1.8 (3.96)	Ⓑ 3.30 (7.26)
	Slim duct (AM024FNLDCH)	2	0.45 (0.99)	0.90 (1.98)	
	Slim duct (AM012FNLDCH)	1	0.35 (0.77)	0.35 (0.77)	
	1way cassette (AM012FN1DCH)	1	0.25 (0.55)	0.25 (0.55)	

- Total amount of refrigerant (Ⓐ+Ⓑ) = 5.575 + 3.30 = 8.875 (kg)
 = 12.19 + 7.26 = 19.45 (lb)

- ▶ Example of refrigerant calculation for HR models

Classification	Size of liquid pipe [mm (inch)]	Length [m (ft)]	Unit amount of refrigerant [kg/m (lb/ft)]	Amount of additional refrigerant [kg (lb)]	Total amount of additional refrigerant [kg (lb)]
		①	②	①×②	Σ (①×②)
Liquid pipe (Ⓐ)	Ø 6.35 (Ø1/4)	15 (49.2)	0.02 (0.013)	0.3 (0.64)	Ⓐ 11.965 (26.24)
	Ø 9.52 (Ø 3/8)	112 (367.5)	0.06 (0.040)	6.72 (14.70)	
	Ø12.70 (Ø1/2)	25 (82.0)	0.125 (0.084)	3.125 (6.89)	
	Ø15.88 (Ø 5/8)	10 (32.8)	0.18 (0.121)	1.8 (3.97)	
	Ø 6.35 (Ø1/4) (EEV Kit ~ indoor unit)	2 (6.6)	0.01 (0.0067)	0.02 (0.04)	

8. Installation

Classification	Model name of indoor unit	Number of units	Unit amount of refrigerant (kg/EA)	Amount of additional refrigerant (kg)	Total amount of additional refrigerant (kg)
		①	②	①×②	Σ(①×②)
Indoor unit (㉔)	4way cassette (AM024FN4DC*)	4	0.45 (0.99)	1.8 (3.96)	㉔ 5.11 (11.25)
	4way cassette (AM036FN4DC*)	3	0.69 (1.52)	2.07 (4.56)	
	Wall mounted (AM012FNTDC*)	1	0.24 (0.53)	0.24 (0.53)	
	MCU	2	0.50 (1.10)	1 (2.20)	

- Total amount of refrigerant (㉓+㉔) = 11.965+5.11=17.075 (kg)
 = 26.24+11.25=37.49 (lb)

Temper grade and minimum thickness of the refrigerant pipe

Outer diameter		Minimum thickness		Temper grade
mm	inch	mm	inch	
6.35	1/4	0.70	0.028	Annealed
9.52	3/8	0.70	0.028	
12.70	1/2	0.80	0.031	
15.88	5/8	1.00	0.039	
19.05	3/4	0.90	0.035	
22.22	7/8	0.90	0.035	Drawn
25.40	1	1.00	0.039	
28.58	1 1/8	1.10	0.043	
31.75	1 1/4	1.10	0.043	
34.92	1 3/8	1.20	0.047	
38.10	1 1/2	1.35	0.053	
41.28	1 5/8	1.43	0.056	
44.45	1 3/4	1.60	0.063	
50.80	2	2.00	0.079	
53.98	2 1/8	2.10	0.083	



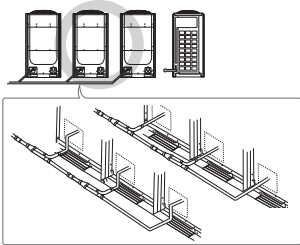
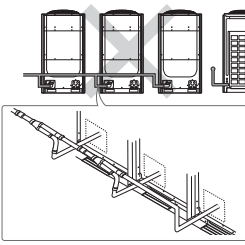
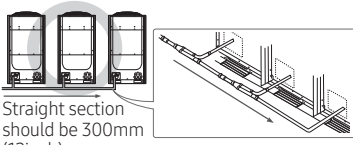
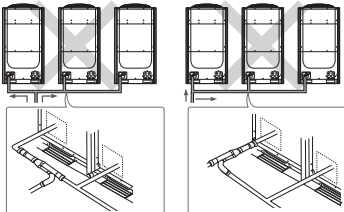
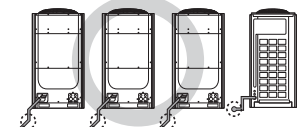
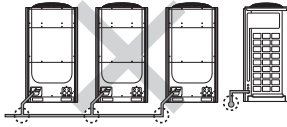
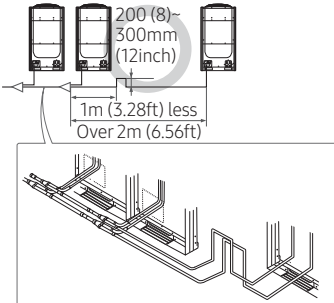
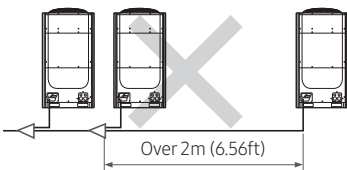
• For pipes larger than Ø 3/4" (Ø 19.05mm), drawn type (C1220T-1/2H or C1220T-H) type copper pipe must be used. If a annealed type (C1220T-O) copper pipe is used, pipe may break due to its low pressure resistance and cause personal injury.

8. Installation

Refrigerant pipe installation

Pipe installation between the outdoor units

- ▶ You will need branch joints, which is an optional accessory, for connecting in between outdoor units in order to combine outdoor units in module.
- ※ **For optimal distribution of the refrigerant, you must use Y-joint as branch joint for connecting outdoor units. (Do not use T-joint)**
- ▶ When you install the outdoor units in module, there is no restriction of installation order among outdoor units.
- ▶ Height of the connection pipe should be same or lower than the ones connected to the outdoor units.
- ▶ Check the changes in comparison with the DVM II and III.

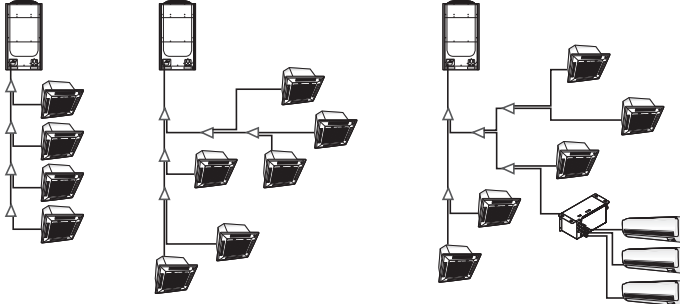
Caution	Correct installation	Incorrect installation
<p>Refrigerant pipes should be connected at the same or lower level than the ones connected to the outdoor unit.</p>		
<p>Refrigerant pipes must be connected by the side of the product.</p>	 <p>Straight section should be 300mm (12inch) or more</p>	
<p>Branch joint between outdoor units must be installed horizontally.</p>		
<p>When the piping length between outdoor unit and the branch joint exceeds 2m (6.56ft), install a vertical trap as show in the figure.</p>	 <p>200 (8) - 300mm (12inch) 1m (3.28ft) less Over 2m (6.56ft)</p>	 <p>Over 2m (6.56ft)</p>

8. Installation

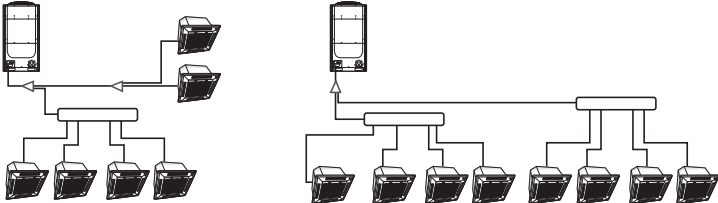
Examples of refrigerant pipe installation

H/P

1. Using Y-joint

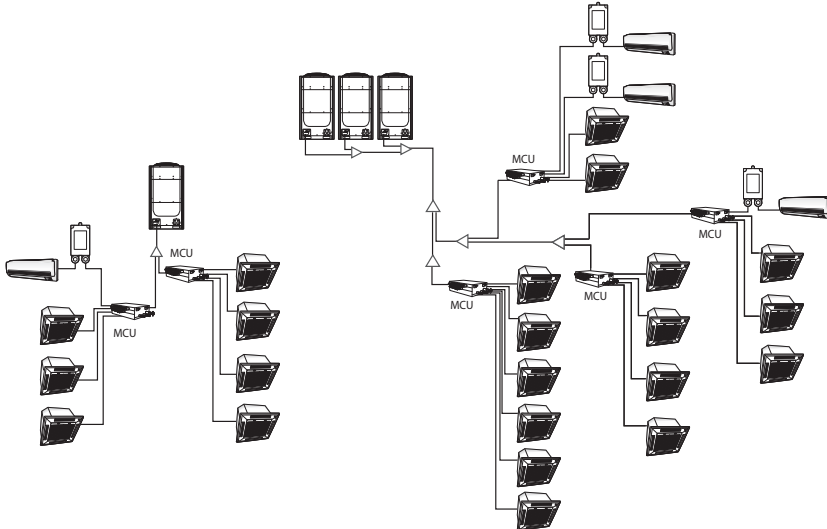


2. Using distribution header



H/R

1. Using Y-joint



- Note 1) Direct-connected indoor unit without MCU (for HR only)
- This indoor unit can only be used for cooling operation. (Heating operation is not possible.)
 - Connect indoor unit to liquid and low pressure gas pipe.
 - Change the installation option for direct-connected indoor unit without MCU. (refer to the indoor unit installation manual)

8. Installation

Refrigerant pipe installation

Allowable length of the refrigerant pipe and the installation examples

H/P

Classification	Single Installation	Module installation
Installing only with Y-joint		
Installing with Y-joint and distribution header		
Installing only with distribution header		

Classification			Example		Remarks	
Maximum allowable length of pipe	Outdoor unit ~ Indoor unit	Actual length (Equivalent length)	200 m(656') and below [220 m(722') and below]	Installing only with Y-joint	$a+b+c+d+e+f+g+p \leq 200 \text{ m}(220 \text{ m})/656(722')$	Equivalent length Y-joint: 0.5 m (1.64'), Distribution header: 1 m (3.28')
				Installing with Y-joint and distribution header	$a+b+h \leq 200 \text{ m}(220 \text{ m})/656(722')$, $a+i+k \leq 200 \text{ m}(220 \text{ m})/656(722')$	
				Installing only with distribution header	$a+i \leq 200 \text{ m}(220 \text{ m})/656(722')$	
	Total length of pipe (m)	1000 m(3281') or less	Installing only with Y-joint	$a+b+c+d+e+f+g+h+i+j+k+l+m+n+p \leq 1000 \text{ m}(3281')$		
			Installing with Y-joint and distribution header	$a+b+c+d+e+f+g+h+i+j+k \leq 1000 \text{ m}(3281')$		
			Installing only with distribution header	$a+b+c+d+e+f+g+h+i \leq 1000 \text{ m}(3281')$		
Outdoor unit ~ Outdoor unit (Module installation)	Pipe length	10 m (33') or less	$r \leq 10 \text{ m}(33')$, $s \leq 10 \text{ m}(33')$, $t \leq 10 \text{ m}(33')$			
	Equivalent length	13 m (43') or less	$r \leq 13 \text{ m}(43')$, $s \leq 13 \text{ m}(43')$, $t \leq 13 \text{ m}(43')$			
Maximum allowable height difference of pipe	Outdoor unit ~ Indoor unit	110/110 m(361'/361') ^{Note 2)}		$H1 \leq 110/110 \text{ m}(361'/361')$		
	Indoor unit ~ Indoor unit	50 m (164')		$H2 \leq 50 \text{ m}(164')$		
	But, when AMTTTHNQDCT is installed, H2 is 15 m(49') or less.					

8. Installation

Classification			Example	Remarks
Maximum allowable length after branch joint	First branch joint ~ Farthest Indoor unit	Pipe length	$45\text{ m}(148')$ or less	$b+c+d+e+f+g+p \leq 45\text{ m}(148')$, $i \leq 45\text{ m}(148')$
			$45\text{ m}-90\text{ m}(148'-295')$ <small>Note 1)</small>	Required conditions must be satisfied

EEV kit		Model name		Remarks	
EEV Kit ~ Indoor unit	Actual pipe length	$2\text{ m}(6.6')$ or less	MEV-E24SA	1 indoor	Apply to products without EEV(Wall mounted & ceiling)
			MEV-E32SA		
		$20\text{ m}(66')$ or less	MXD-E24K132A	2 indoor	
			MXD-E24K200A		
			MXD-E32K200A		
			MXD-E24K232A	3 indoor	
			MXD-E24K300A		
			MXD-E32K224A		
MXD-E32K300A					

※ Please refer to the EEV Kit manual.

Note 1) Required condition

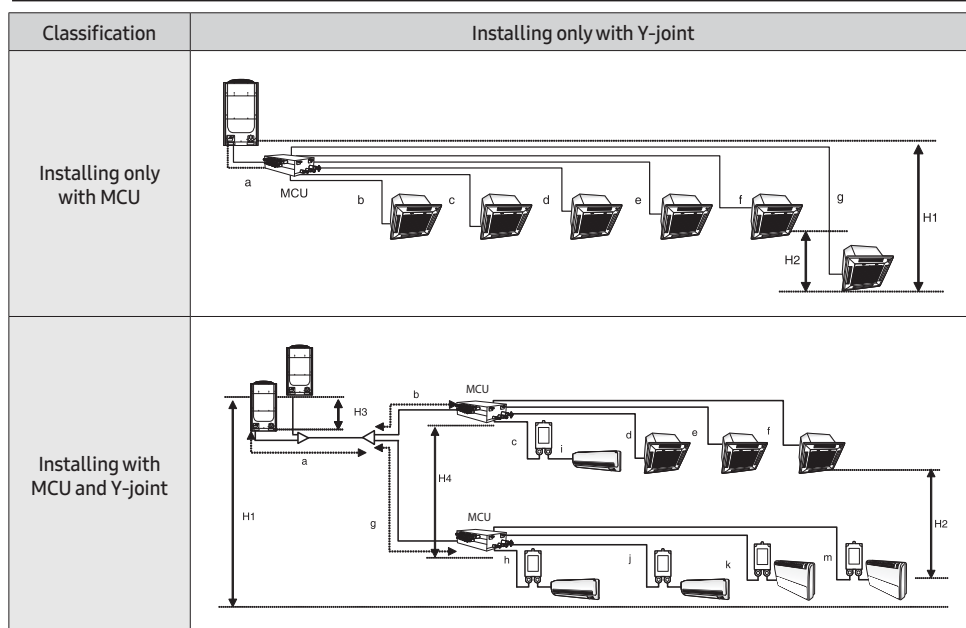
Classification	Condition	Example
First branch joint ~ Farthest Indoor unit	$45\text{ m}(148') \leq b+c+d+e+f+g+p \leq 90\text{ m}(295')$: branch pipes (b, c, d, e, f, g) size must be increased by 1 grade	
Total length of extended pipe	If the size of pipe (main pipe), between the first branch joint and the outdoor unit, is not increased by 1 grade, $a+(b+c+d+e+f+g) \times 2+h+i+j+k+l+m+n+p \leq 1000\text{ m}(3281')$ If the size of pipe (main pipe), between the first branch joint and the outdoor unit, is increased by 1 grade, $a+(b+c+d+e+f+g) \times 2+h+i+j+k+l+m+n+p \leq 1000\text{ m}(3281')$	
Each Y-joint ~ Each indoor unit	$h, i, j, \dots, p \leq 45\text{ m}(148')$	
Difference between the distance of the outdoor unit to the farthest indoor unit and nearest indoor unit $\leq 45\text{ m}(148')$, $(a+b+c+d+e+f+g+p)-(a+h) \leq 45\text{ m}(148')$		

Note 2) When indoor unit is located at higher level than outdoor unit, allowable height difference is 110 m(361'), (If the height difference is over 40 m(131'), contact your local dealer for more information.) but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 110 m(361') (If the height difference is over 50 m(164'), need to decide whether to install PDM kit or not.)
Model name of the PDM kit : MXD-A38K2A, MXD-A12K2A, MXD-A58K2A

8. Installation

Refrigerant pipe installation

H/R



Items			Examples		Remarks
Max. piping length	Indoor ~ Outdoor unit	Piping (Equivalent piping)	200 m(656') 220 m(722')	Using MCU only $a+g \leq 200 \text{ m}(220 \text{ m})/656(722')$	Equivalent pipe length. Y joint : 0.5 m (1.64'), Header : 1 m (3.28'), MCU : 1 m (3.28')
				Using Y-joint and MCU $a+g+m \leq 200 \text{ m}(220 \text{ m})/656(722')$	
	Outdoor ~ Outdoor unit	Total piping	1000 m(3281')	Using MCU only $a+b+c+d+e+f+g \leq 1000 \text{ m}/3281'$	
				Using Y-joint and MCU $a+b+c+d+e+f+g+h+j+k+m \leq 1000 \text{ m}(3281')$	
Level difference	Outdoor ~ Indoor unit	Piping	110/110 m (361'/361') Note 1)	$H1 \leq 110/110 \text{ m}(361'/361')$	
	Indoor ~ Indoor unit	Piping	15 m(49')	$H2 \leq 15 \text{ m}(49')$	
	MCU-MCU	Piping	15 m(49')	$H4 \leq 15 \text{ m}(49')$	
Allowable length after branch	The first branch ~ the farthest Indoor unit	Piping	45 m(148')	Using MCU only	$g \leq 45 \text{ m}(148')$
				Using Y-joint and MCU	$g+m \leq 45 \text{ m}(148')$

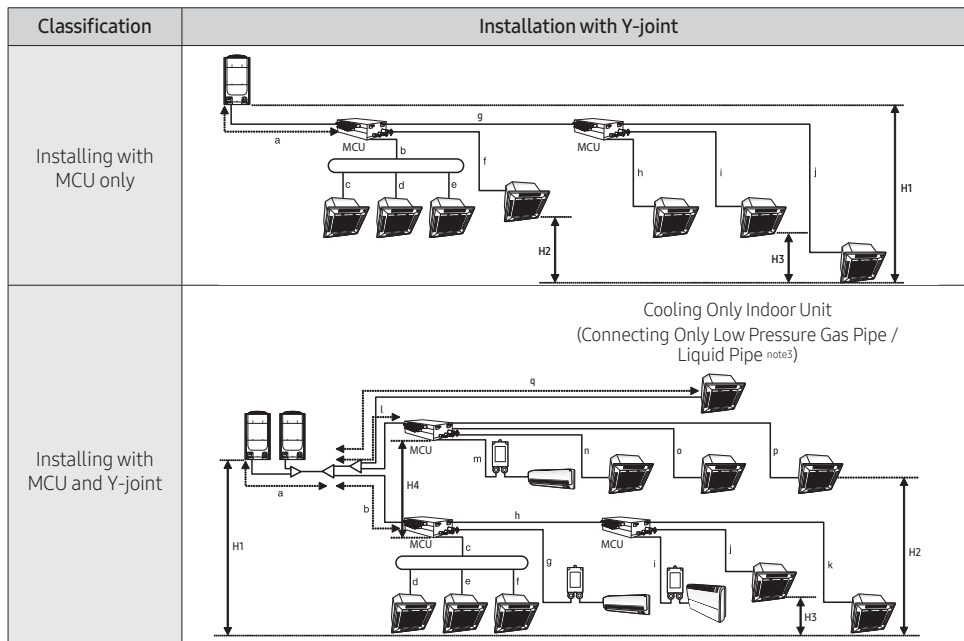
Distribution kit			Model	Remarks
Allowable	From distribution kit to indoor unit	2 m (6.6')	MEV-E24SA, MEV-E32SA (For 1 indoor unit)	Apply to products without EEV (Wall mount & ceiling)

Note 1) When indoor unit is located at higher level than outdoor unit, allowable height difference is 110 m(361'), (If the height difference is over 40 m(131'), contact your local dealer for more information.) but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 110 m(361') (If the height difference is over 50 m(164'), need to decide whether to install PDM kit or not.)
Model name of the PDM kit : MXD-A38K2A, MXD-A12K2A, MXD-A58K2A

※ Total refrigerant amount of the system must be less than 100 kg(220 lb). If total refrigerant amount of system is over than 100 kg(220 lb), the system has to be divided into smaller system, each less than 100 kg(220 lb).

8. Installation

H/R



Classification		Example		Remarks	
Maximum allowable pipe length	Outdoor unit ~ Indoor unit	Actual pipe length (Equivalent length)	200 m or less (220 m or less) /656(722')	Installing only with MCU $a+g+j \leq 200 \text{ m (220 m)/656(722')}$ Installing with MCU and Y-joint $a+b+h+k \leq 200 \text{ m (220 m)/656(722')}$	Equivalent length • Y-joint: 0.5 m(1.64') • Distribution header: 1 m(3.28') • MCU: 1 m(3.28')
		Total length of pipe	1000 m(3281') or less		
	Outdoor unit ~ Indoor unit	Pipe length	10 m(33') or less	$r \leq 10 \text{ m(33')}, s \leq 10 \text{ m(33')}, t \leq 10 \text{ m(33')}$	
		Equivalent length	13 m(43') or less	$r \leq 13 \text{ m(43')}, s \leq 13 \text{ m(43')}, t \leq 13 \text{ m(43')}$	
MCU ~ Indoor unit	Pipe length	45 m(148') or less	Installing only with MCU	$b+c \leq 45 \text{ m(148')}, b+d \leq 45 \text{ m(148')},$ $b+e \leq 45 \text{ m(148')}, f \leq 45 \text{ m(148')},$ $g+h \leq 45 \text{ m(148')}, g+i \leq 45 \text{ m(148')},$ $g+j \leq 45 \text{ m(148')}$	
			Installing with MCU and Y-joint	$c+d \leq 45 \text{ m(148')}, c+e \leq 45 \text{ m(148')},$ $c+f \leq 45 \text{ m(148')}, g \leq 45 \text{ m(148')},$ $h+i \leq 45 \text{ m(148')}, h+j \leq 45 \text{ m(148')},$ $h+k \leq 45 \text{ m(148')}, m \leq 45 \text{ m(148')},$ $n \leq 45 \text{ m(148')}, o \leq 45 \text{ m(148')}, p \leq 45 \text{ m(148')}$	

8. Installation

Classification			Example		Remarks
Maximum allowable height difference	Outdoor unit ~ Indoor unit	Pipe length	110 m / 110 m (361' / 361') ^{Note 1)}	H1 ≤ 110 m / 110 m (361' / 361')	
	Indoor unit ~ Indoor unit		40 m (131') or less	H2 ≤ 40 m (131')	
	Indoor unit ~ Indoor unit (in one MCU)		15 m (49') or less	H3 ≤ 15 m (49')	
	MCU ~ MCU		30 m or less	H4 ≤ 30 m	
Maximum allowable length after branch joint	First branch joint ~ Farthest Indoor unit	Pipe length	45 m (148') or less	Installing only with MCU	$g+j \leq 45 \text{ m (148')}$
			45 ~ 90 m (148' ~ 295') ^{Note 2)}	Installing with MCU and Y-joint	$b+h+k \leq 45 \text{ m (148')}$ $l+p \leq 45 \text{ m (148')}$ Required conditions must be satisfied

Distribution kit		Model	Remarks
From distribution kit to indoor unit	Actual pipe length	2 m (6.6') or less MEV-24SA (For 1 indoor unit)	Applied to products without EEV (wall-mounted)

Note 1) When indoor unit is located at higher level than outdoor unit, allowable height difference is 110 m (361'), (If the height difference is over 40 m (131'), contact your local dealer for more information.) but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 110 m (361') (If the height difference is over 50m (164'), need to decide whether to install PDM kit or not.)
Model name of the PDM kit : MXD-A38K2A, MXD-A12K2A, MXD-A58K2A

Note 2) Required condition

Classification	Condition	Example
First branch joint ~ Farthest Indoor unit	$45 \text{ m (148')} \leq b, l+m, q \leq 90 \text{ m (295')}$: Size of the branch pipe (b, l, m, q) must be increased by 1 grade.	
Condition of total length of extended pipe	$a+(bx2) + c + d + e + f + g + h + l + j + k + l + m + n + o + p + q + r \leq 1000 \text{ m (3281')}$	
MCU ~ Each indoor unit	$c + d, c + e, c + f, g, h + l, h + j, h + k, n, o, p, r \leq 45 \text{ m (148')}$	
Difference between the distance of the outdoor unit to the farthest indoor unit and nearest indoor unit	$\leq 45 \text{ m (148')} (a+b+h+k) - (a+b+c+d) \leq 45 \text{ m (148')}$	

Note 3) For indoor units to which no MCU is connected, be sure to set their options to "Cooling only indoor unit," and then connect them to a low pressure gas pipe and a liquid pipe. Be sure to combine the cooling only indoor units so that their total capacity becomes 50% or less of the total capacity of all indoor units.

Note 4) In case of connecting more than one indoor unit in one MCU Port, the below indoor units can not be combined. ERV plus (AMXXXFNKDEXX), OAP duct (AMXXXJNEPEXX), Hydro Unit HE (AMXXXFNBDXX), Hydro Unit HT (AMXXXFNBFXX), AHU kit (MXD-KXXXAN, MCM-DXXXN)

Note 5) In case of connecting two MCU ports with Y-joint, the indoor units can not be combined to more than one.

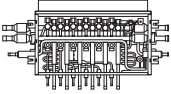
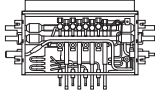
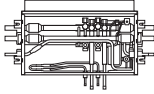

※ Total refrigerant amount of the system must be less than 100 kg (220 lb). If total refrigerant amount of system is over than 100 kg (220 lb), the system has to be divided into smaller system, each less than 100 kg (220 lb).

8. Installation

Refrigerant pipe installation

Installing the MCU

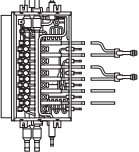
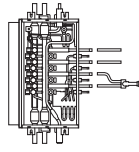
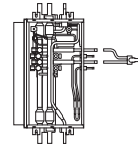
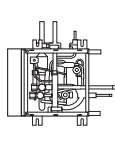
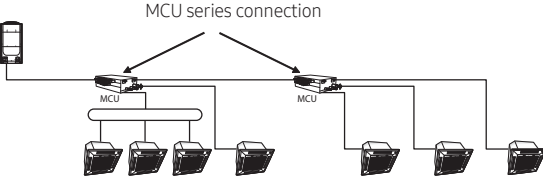




MCU specification

Model	MCU-S6NEK2N	MCU-S4NEK3N	MCU-S2NEK2N	MCU-S1NEK1N
Exterior of MCU				
Number of connectable indoor units at one port	Up to 8 units	Up to 8 units	Up to 8 units	Up to 8 units
The maximum capacity of the connectable indoor units at one port	16 kW	16 kW	16 kW	16 kW
The maximum capacity of the connectable indoor units	61.6 kW	61.6 kW	32.0 kW	16 kW
Internal EEV	Not included			



- Indoor units without internal EEV (AM***NTDE*, AM***NADE*) can not be connected directly to the MCU.
- Please connect these indoor units using EEV kit (MEV-E**SA, MXD-E**K**A).

Installing the indoor units

Model	MCU-S6NEK2N	MCU-S4NEK3N	MCU-S2NEK2N	MCU-S1NEK1N
Example installing (Each port connection)				
Example installing (MCU series connection)				
Installing indoor units	<p>Under 16.0 kW indoor unit : Don't use Y-connector 16.0 kW ~ 28.0 kW indoor unit : Use Y-connector at the Gas & Liquid line If you want to continuous cooling operation under -5 °C, set outdoor 'Expand operational temperature range for cooling operation (HR only)', and use Y-connector on 5.0 ~ 16 kW indoor unit In case of using Y-connector, it is only connectable for port combination at below Connectable port combination for Y-connector : A + B port, C + D port, E + F port Non-connectable port combination for Y-connector : B + C port, D + E port, non-continuous port Set Dip Switch option for using Y-connector</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>S/W Option</p>  <p>Default</p> </div> <div style="text-align: center;"> <p>S/W Option</p>  <p>Combination of A+B port</p> </div> <div style="text-align: center;"> <p>S/W Option</p>  <p>Combination of C+D port</p> </div> <div style="text-align: center;"> <p>S/W Option</p>  <p>Combination of E+F port</p> </div> </div> <p>In case of MCU connection in series, the maximum capacity of indoor units in MCU series connection is 61.6 kW</p>			<p>This unit is only connectable for one port under 16 Kw</p> <p>This unit is impossible to connect MCU to MCU in series.</p>

9. Capacity Table

AM072*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
130	23.0	60.80	1.56	73.90	2.03	87.00	2.50	93.60	2.74	106.70	3.08	113.30	3.25	126.40	3.59		
	27.0	60.80	1.57	73.90	2.04	87.00	2.52	93.60	2.75	106.70	3.09	113.30	3.26	126.40	3.61		
	32.0	60.80	1.59	73.90	2.07	87.00	2.55	93.60	2.78	106.70	3.12	113.30	3.30	126.40	3.64		
	37.0	60.80	1.63	73.90	2.11	87.00	2.58	93.60	2.82	106.70	3.16	113.30	3.33	126.40	3.68		
	41.0	60.80	1.65	73.90	2.13	87.00	2.60	93.60	2.84	106.70	3.18	113.30	3.36	126.40	3.72		
	46.0	60.80	1.69	73.90	2.17	87.00	2.64	93.60	2.88	106.70	3.25	113.30	3.43	126.40	3.81		
	50.0	60.80	1.74	73.90	2.21	87.00	2.68	93.60	2.92	106.70	3.31	113.30	3.51	126.40	3.90		
	54.0	60.80	1.80	73.90	2.27	87.00	2.75	93.60	2.99	106.70	3.39	113.30	3.60	126.40	4.01		
	57.0	60.80	1.86	73.90	2.33	87.00	2.82	93.60	3.06	106.70	3.49	113.30	3.70	126.40	4.14		
	61.0	60.80	1.91	73.90	2.41	87.00	2.91	93.60	3.16	106.70	3.60	113.30	3.83	126.40	4.29		
	64.0	60.80	1.99	73.90	2.50	87.00	3.01	93.60	3.26	106.70	3.73	113.30	3.97	126.40	4.47		
	68.0	60.80	2.07	73.90	2.59	87.00	3.13	93.60	3.40	106.70	3.90	113.30	4.17	126.10	4.71		
	72.0	60.80	2.16	73.90	2.70	87.00	3.27	93.60	3.57	106.70	4.11	113.30	4.41	125.40	4.99		
	75.0	60.80	2.24	73.90	2.82	87.00	3.45	93.60	3.78	106.70	4.38	113.30	4.70	124.70	5.32		
	79.0	60.80	2.36	73.90	2.98	87.00	3.66	93.60	4.03	106.70	4.68	113.30	5.04	124.00	5.70		
	82.0	60.80	2.48	73.90	3.15	87.00	3.90	93.60	4.31	106.70	5.04	113.30	5.44	123.20	6.12		
	86.0	60.80	2.62	73.90	3.37	87.00	4.19	93.60	4.65	106.70	5.44	113.30	5.87	122.50	6.58		
	90.0	60.80	2.83	73.90	3.60	87.00	4.54	93.60	5.02	106.70	5.85	113.30	6.33	121.80	7.10		
	93.0	60.80	3.00	73.90	3.94	87.00	4.90	93.60	5.39	106.70	6.33	113.30	6.87	121.10	7.60		
	95.0	60.80	3.17	73.90	4.11	87.00	5.08	93.60	5.58	106.70	6.59	113.30	7.15	120.70	7.70		
	99.0	60.80	3.51	73.90	4.46	87.00	5.47	93.60	6.06	106.70	7.14	112.80	7.67	114.70	7.40		
	102.0	60.80	3.84	73.90	4.81	87.00	5.95	93.60	6.57	104.50	7.44	105.40	7.30	106.50	6.94		
	106.0	60.80	4.15	73.90	5.25	87.00	6.47	93.60	7.12	96.60	7.01	97.10	6.82	98.40	6.47		
	111.0	60.80	4.77	73.90	6.01	82.10	6.70	83.00	6.64	84.10	6.27	84.80	6.10	86.10	5.77		
115.0	60.80	5.28	71.50	6.29	73.50	6.17	74.50	6.12	75.80	5.78	76.50	5.62	78.00	5.30			
118.0	60.80	5.88	62.90	5.76	64.90	5.65	66.00	5.60	67.50	5.29	68.30	5.14	69.80	4.83			
120.0	59.58	5.94	60.50	5.83	61.20	5.51	61.70	5.35	63.20	5.04	64.00	4.89	65.80	4.60			
120	23.0	56.20	1.45	68.30	1.87	80.40	2.29	86.40	2.50	98.50	2.81	104.50	2.97	116.60	3.29		
	27.0	56.20	1.46	68.30	1.88	80.40	2.30	86.40	2.51	98.50	2.83	104.50	2.99	116.60	3.30		
	32.0	56.20	1.48	68.30	1.91	80.40	2.33	86.40	2.54	98.50	2.86	104.50	3.01	116.60	3.33		
	37.0	56.20	1.52	68.30	1.94	80.40	2.36	86.40	2.57	98.50	2.89	104.50	3.05	116.60	3.36		
	41.0	56.20	1.54	68.30	1.96	80.40	2.38	86.40	2.59	98.50	2.91	104.50	3.07	116.60	3.40		
	46.0	56.20	1.57	68.30	2.00	80.40	2.42	86.40	2.63	98.50	2.96	104.50	3.13	116.60	3.47		
	50.0	56.20	1.62	68.30	2.04	80.40	2.46	86.40	2.67	98.50	3.02	104.50	3.19	116.60	3.55		
	54.0	56.20	1.66	68.30	2.09	80.40	2.51	86.40	2.72	98.50	3.09	104.50	3.27	116.60	3.64		
	57.0	56.20	1.71	68.30	2.14	80.40	2.57	86.40	2.79	98.50	3.17	104.50	3.36	116.60	3.74		
	61.0	56.20	1.75	68.30	2.20	80.40	2.65	86.40	2.87	98.50	3.26	104.50	3.46	116.60	3.87		
	64.0	56.20	1.82	68.30	2.27	80.40	2.73	86.40	2.96	98.50	3.37	104.50	3.58	116.60	4.02		
	68.0	56.20	1.88	68.30	2.35	80.40	2.83	86.40	3.08	98.50	3.52	104.50	3.74	116.60	4.22		
	72.0	56.20	1.95	68.30	2.45	80.40	2.96	86.40	3.22	98.50	3.69	104.50	3.94	116.60	4.48		
	75.0	56.20	2.03	68.30	2.55	80.40	3.11	86.40	3.40	98.50	3.92	104.50	4.19	116.60	4.79		
	79.0	56.20	2.14	68.30	2.70	80.40	3.30	86.40	3.62	98.50	4.19	104.50	4.50	116.60	5.17		
	82.0	56.20	2.26	68.30	2.86	80.40	3.52	86.40	3.88	98.50	4.51	104.50	4.85	116.60	5.58		
	86.0	56.20	2.39	68.30	3.06	80.40	3.79	86.40	4.18	98.50	4.87	104.50	5.24	116.60	6.02		
	90.0	56.20	2.56	68.30	3.27	80.40	4.09	86.40	4.53	98.50	5.26	104.50	5.64	116.60	6.50		
	93.0	56.20	2.71	68.30	3.55	80.40	4.43	86.40	4.89	98.50	5.66	104.50	6.08	116.60	7.02		
	95.0	56.20	2.85	68.30	3.71	80.40	4.61	86.40	5.07	98.50	5.88	104.50	6.32	116.60	7.28		
	99.0	56.20	3.14	68.30	4.03	80.40	4.97	86.40	5.47	98.50	6.35	104.50	6.82	113.20	7.38		
	102.0	56.20	3.44	68.30	4.36	80.40	5.38	86.40	5.91	98.50	6.84	103.10	7.16	105.10	6.93		
	106.0	56.20	3.76	68.30	4.76	80.40	5.83	86.40	6.38	94.70	6.90	95.50	6.76	97.00	6.46		
	111.0	56.20	4.34	68.30	5.43	79.20	6.44	81.10	6.51	82.40	6.19	83.20	6.04	84.70	5.76		
115.0	56.20	4.80	67.70	5.87	71.00	5.96	72.60	5.99	74.10	5.70	74.90	5.56	76.60	5.29			
118.0	56.20	5.30	59.30	5.37	62.50	5.43	64.10	5.47	65.80	5.21	66.70	5.08	68.40	4.82			
120.0	55.08	5.35	58.10	5.50	59.20	5.31	59.80	5.22	61.50	4.95	62.40	4.83	64.40	4.59			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
110	23.0	51.50	1.34	62.60	1.71	73.70	2.08	79.20	2.26	90.30	2.55	95.80	2.70	106.90	2.98		
	27.0	51.50	1.35	62.60	1.72	73.70	2.09	79.20	2.28	90.30	2.56	95.80	2.71	106.90	3.00		
	32.0	51.50	1.37	62.60	1.74	73.70	2.11	79.20	2.30	90.30	2.59	95.80	2.73	106.90	3.02		
	37.0	51.50	1.40	62.60	1.77	73.70	2.14	79.20	2.33	90.30	2.62	95.80	2.76	106.90	3.05		
	41.0	51.50	1.42	62.60	1.79	73.70	2.17	79.20	2.35	90.30	2.64	95.80	2.79	106.90	3.08		
	46.0	51.50	1.46	62.60	1.83	73.70	2.20	79.20	2.39	90.30	2.68	95.80	2.83	106.90	3.13		
	50.0	51.50	1.50	62.60	1.86	73.70	2.23	79.20	2.41	90.30	2.73	95.80	2.88	106.90	3.19		
	54.0	51.50	1.52	62.60	1.90	73.70	2.27	79.20	2.46	90.30	2.78	95.80	2.94	106.90	3.27		
	57.0	51.50	1.56	62.60	1.94	73.70	2.32	79.20	2.51	90.30	2.85	95.80	3.01	106.90	3.35		
	61.0	51.50	1.59	62.60	1.99	73.70	2.39	79.20	2.59	90.30	2.93	95.80	3.10	106.90	3.45		
	64.0	51.50	1.64	62.60	2.05	73.70	2.46	79.20	2.66	90.30	3.02	95.80	3.21	106.90	3.58		
	68.0	51.50	1.69	62.60	2.11	73.70	2.54	79.20	2.76	90.30	3.14	95.80	3.34	106.90	3.75		
	72.0	51.50	1.75	62.60	2.19	73.70	2.65	79.20	2.88	90.30	3.29	95.80	3.50	106.90	3.95		
	75.0	51.50	1.82	62.60	2.29	73.70	2.78	79.20	3.03	90.30	3.48	95.80	3.71	106.90	4.21		
	79.0	51.50	1.92	62.60	2.42	73.70	2.95	79.20	3.22	90.30	3.71	95.80	3.98	106.90	4.54		
	82.0	51.50	2.03	62.60	2.57	73.70	3.15	79.20	3.46	90.30	4.00	95.80	4.30	106.90	4.92		
	86.0	51.50	2.15	62.60	2.75	73.70	3.39	79.20	3.74	90.30	4.33	95.80	4.64	106.90	5.31		
	90.0	51.50	2.29	62.60	2.94	73.70	3.66	79.20	4.05	90.30	4.68	95.80	5.02	106.90	5.71		
	93.0	51.50	2.43	62.60	3.18	73.70	3.97	79.20	4.40	90.30	5.06	95.80	5.40	106.90	6.13		
	95.0	51.50	2.54	62.60	3.31	73.70	4.14	79.20	4.58	90.30	5.25	95.80	5.60	106.90	6.35		
	99.0	51.50	2.78	62.60	3.61	73.70	4.48	79.20	4.94	90.30	5.65	95.80	6.02	106.90	6.82		
	102.0	51.50	3.04	62.60	3.93	73.70	4.85	79.20	5.33	90.30	6.07	95.80	6.46	103.60	6.90		
	106.0	51.50	3.36	62.60	4.29	73.70	5.24	79.20	5.73	90.20	6.50	93.50	6.66	95.50	6.45		
	111.0	51.50	3.92	62.60	4.88	73.60	5.86	78.50	6.30	80.70	6.10	81.50	5.98	83.30	5.75		
115.0	51.50	4.31	62.40	5.28	68.50	5.73	70.70	5.86	72.40	5.62	73.30	5.50	75.20	5.28			
118.0	51.50	4.73	55.70	4.97	60.00	5.22	62.20	5.34	64.10	5.13	65.10	5.02	67.00	4.81			
120.0	50.98	4.83	53.47	4.92	57.10	5.12	57.90	5.09	59.80	4.87	60.80	4.77	62.90	4.58			
100	23.0	46.80	1.23	56.90	1.55	67.00	1.87	72.00	2.03	82.10	2.29	87.10	2.42	97.20	2.68		
	27.0	46.80	1.25	56.90	1.56	67.00	1.88	72.00	2.04	82.10	2.30	87.10	2.43	97.20	2.69		
	32.0	46.80	1.26	56.90	1.58	67.00	1.90	72.00	2.06	82.10	2.32	87.10	2.45	97.20	2.72		
	37.0	46.80	1.28	56.90	1.61	67.00	1.93	72.00	2.09	82.10	2.35	87.10	2.48	97.20	2.75		
	41.0	46.80	1.31	56.90	1.63	67.00	1.95	72.00	2.11	82.10	2.37	87.10	2.50	97.20	2.76		
	46.0	46.80	1.34	56.90	1.66	67.00	1.98	72.00	2.14	82.10	2.41	87.10	2.54	97.20	2.80		
	50.0	46.80	1.38	56.90	1.69	67.00	2.01	72.00	2.16	82.10	2.43	87.10	2.57	97.20	2.84		
	54.0	46.80	1.39	56.90	1.71	67.00	2.04	72.00	2.20	82.10	2.48	87.10	2.62	97.20	2.90		
	57.0	46.80	1.41	56.90	1.74	67.00	2.08	72.00	2.24	82.10	2.53	87.10	2.67	97.20	2.96		
	61.0	46.80	1.44	56.90	1.78	67.00	2.13	72.00	2.30	82.10	2.60	87.10	2.75	97.20	3.05		
	64.0	46.80	1.47	56.90	1.82	67.00	2.19	72.00	2.37	82.10	2.68	87.10	2.84	97.20	3.16		
	68.0	46.80	1.49	56.90	1.87	67.00	2.25	72.00	2.45	82.10	2.78	87.10	2.95	97.20	3.30		
	72.0	46.80	1.54	56.90	1.94	67.00	2.34	72.00	2.54	82.10	2.90	87.10	3.08	97.20	3.46		
	75.0	46.80	1.61	56.90	2.03	67.00	2.45	72.00	2.67	82.10	3.06	87.10	3.26	97.20	3.67		
	79.0	46.80	1.70	56.90	2.14	67.00	2.60	72.00	2.83	82.10	3.25	87.10	3.47	97.20	3.95		
	82.0	46.80	1.81	56.90	2.28	67.00	2.78	72.00	3.05	82.10	3.52	87.10	3.77	97.20	4.28		
	86.0	46.80	1.91	56.90	2.44	67.00	3.01	72.00	3.31	82.10	3.82	87.10	4.08	97.20	4.64		
	90.0	46.80	2.02	56.90	2.61	67.00	3.26	72.00	3.60	82.10	4.14	87.10	4.42	97.20	5.02		
	93.0	46.80	2.15	56.90	2.82	67.00	3.53	72.00	3.90	82.10	4.49	87.10	4.79	97.20	5.37		
	95.0	46.80	2.23	56.90	2.93	67.00	3.68	72.00	4.08	82.10	4.68	87.10	4.97	97.20	5.55		
	99.0	46.80	2.41	56.90	3.19	67.00	4.02	72.00	4.45	82.10	5.02	87.10	5.32	97.20	5.93		
	102.0	46.80	2.64	56.90	3.49	67.00	4.36	72.00	4.79	82.10	5.38	87.10	5.69	97.20	6.35		
	106.0	46.80	2.96	56.90	3.83	67.00	4.70	72.00	5.14	82.10	5.76	87.10	6.09	94.10	6.44		
	111.0	46.80	3.49	56.90	4.36	67.00	5.25	72.00	5.70	78.70	5.99	79.90	5.92	81.90	5.74		
115.0	46.80	3.83	56.90	4.71	65.70	5.48	68.80	5.73	70.70	5.53	71.70	5.44	73.80	5.27			
118.0	46.80	4.15	52.20	4.58	57.60	5.00	60.20	5.21	62.40	5.05	63.50	4.97	65.60	4.80			
120.0	46.33	4.24	50.11	4.53	55.10	4.92	56.00	4.96	58.10	4.79	59.20	4.71	61.50	4.57			

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
90	23.0	42.10	1.12	51.20	1.40	60.30	1.67	64.80	1.81	73.90	2.04	78.40	2.15	87.50	2.38		
	27.0	42.10	1.13	51.20	1.41	60.30	1.68	64.80	1.82	73.90	2.05	78.40	2.16	87.50	2.39		
	32.0	42.10	1.15	51.20	1.42	60.30	1.70	64.80	1.84	73.90	2.07	78.40	2.19	87.50	2.41		
	37.0	42.10	1.17	51.20	1.45	60.30	1.73	64.80	1.87	73.90	2.10	78.40	2.21	87.50	2.44		
	41.0	42.10	1.19	51.20	1.47	60.30	1.74	64.80	1.88	73.90	2.11	78.40	2.23	87.50	2.46		
	46.0	42.10	1.22	51.20	1.50	60.30	1.78	64.80	1.92	73.90	2.15	78.40	2.26	87.50	2.49		
	50.0	42.10	1.25	51.20	1.53	60.30	1.80	64.80	1.94	73.90	2.17	78.40	2.29	87.50	2.52		
	54.0	42.10	1.27	51.20	1.55	60.30	1.83	64.80	1.97	73.90	2.21	78.40	2.33	87.50	2.57		
	57.0	42.10	1.29	51.20	1.58	60.30	1.86	64.80	2.00	73.90	2.25	78.40	2.37	87.50	2.62		
	61.0	42.10	1.32	51.20	1.61	60.30	1.90	64.80	2.05	73.90	2.31	78.40	2.43	87.50	2.69		
	64.0	42.10	1.34	51.20	1.65	60.30	1.95	64.80	2.11	73.90	2.37	78.40	2.51	87.50	2.78		
	68.0	42.10	1.36	51.20	1.68	60.30	2.01	64.80	2.17	73.90	2.46	78.40	2.60	87.50	2.89		
	72.0	42.10	1.40	51.20	1.74	60.30	2.09	64.80	2.26	73.90	2.56	78.40	2.72	87.50	3.04		
	75.0	42.10	1.46	51.20	1.82	60.30	2.18	64.80	2.36	73.90	2.69	78.40	2.86	87.50	3.21		
	79.0	42.10	1.53	51.20	1.91	60.30	2.30	64.80	2.50	73.90	2.86	78.40	3.04	87.50	3.41		
	82.0	42.10	1.61	51.20	2.03	60.30	2.45	64.80	2.67	73.90	3.06	78.40	3.26	87.50	3.67		
	86.0	42.10	1.70	51.20	2.16	60.30	2.63	64.80	2.88	73.90	3.30	78.40	3.51	87.50	3.96		
	90.0	42.10	1.80	51.20	2.30	60.30	2.84	64.80	3.11	73.90	3.56	78.40	3.79	87.50	4.27		
	93.0	42.10	1.91	51.20	2.48	60.30	3.06	64.80	3.37	73.90	3.85	78.40	4.10	87.50	4.60		
	95.0	42.10	1.99	51.20	2.58	60.30	3.19	64.80	3.51	73.90	4.01	78.40	4.26	87.50	4.76		
	99.0	42.10	2.17	51.20	2.81	60.30	3.48	64.80	3.83	73.90	4.33	78.40	4.58	87.50	5.09		
	102.0	42.10	2.38	51.20	3.07	60.30	3.78	64.80	4.14	73.90	4.65	78.40	4.92	87.50	5.45		
	106.0	42.10	2.65	51.20	3.36	60.30	4.10	64.80	4.47	73.90	5.01	78.40	5.29	87.50	5.86		
	111.0	42.10	3.10	51.20	3.86	60.30	4.64	64.80	5.03	73.70	5.59	76.90	5.74	80.50	5.73		
115.0	42.10	3.42	51.20	4.21	60.00	5.00	64.20	5.38	67.80	5.36	69.30	5.33	72.40	5.26			
118.0	42.10	3.77	48.00	4.25	53.90	4.74	56.80	4.99	59.80	4.91	61.20	4.87	64.20	4.80			
120.0	42.10	3.89	47.40	4.34	50.80	4.61	52.50	4.74	55.50	4.66	57.00	4.62	60.10	4.57			
80	23.0	37.40	1.01	45.50	1.24	53.60	1.48	57.60	1.60	65.70	1.79	69.70	1.89	77.80	2.08		
	27.0	37.40	1.02	45.50	1.25	53.60	1.49	57.60	1.61	65.70	1.80	69.70	1.90	77.80	2.09		
	32.0	37.40	1.03	45.50	1.27	53.60	1.51	57.60	1.63	65.70	1.82	69.70	1.92	77.80	2.11		
	37.0	37.40	1.05	45.50	1.29	53.60	1.53	57.60	1.64	65.70	1.84	69.70	1.94	77.80	2.13		
	41.0	37.40	1.06	45.50	1.30	53.60	1.54	57.60	1.66	65.70	1.86	69.70	1.96	77.80	2.15		
	46.0	37.40	1.09	45.50	1.33	53.60	1.57	57.60	1.69	65.70	1.89	69.70	1.99	77.80	2.18		
	50.0	37.40	1.13	45.50	1.36	53.60	1.59	57.60	1.71	65.70	1.91	69.70	2.01	77.80	2.21		
	54.0	37.40	1.15	45.50	1.38	53.60	1.62	57.60	1.73	65.70	1.93	69.70	2.03	77.80	2.24		
	57.0	37.40	1.17	45.50	1.41	53.60	1.64	57.60	1.76	65.70	1.97	69.70	2.07	77.80	2.28		
	61.0	37.40	1.19	45.50	1.44	53.60	1.68	57.60	1.80	65.70	2.01	69.70	2.12	77.80	2.34		
	64.0	37.40	1.22	45.50	1.47	53.60	1.72	57.60	1.85	65.70	2.07	69.70	2.18	77.80	2.41		
	68.0	37.40	1.24	45.50	1.50	53.60	1.77	57.60	1.91	65.70	2.14	69.70	2.26	77.80	2.50		
	72.0	37.40	1.27	45.50	1.55	53.60	1.83	57.60	1.98	65.70	2.23	69.70	2.36	77.80	2.62		
	75.0	37.40	1.31	45.50	1.61	53.60	1.91	57.60	2.07	65.70	2.34	69.70	2.48	77.80	2.77		
	79.0	37.40	1.36	45.50	1.68	53.60	2.01	57.60	2.18	65.70	2.48	69.70	2.63	77.80	2.94		
	82.0	37.40	1.42	45.50	1.77	53.60	2.13	57.60	2.31	65.70	2.63	69.70	2.79	77.80	3.13		
	86.0	37.40	1.50	45.50	1.88	53.60	2.27	57.60	2.47	65.70	2.81	69.70	2.99	77.80	3.35		
	90.0	37.40	1.58	45.50	2.00	53.60	2.43	57.60	2.65	65.70	3.02	69.70	3.21	77.80	3.61		
	93.0	37.40	1.68	45.50	2.14	53.60	2.61	57.60	2.85	65.70	3.25	69.70	3.46	77.80	3.88		
	95.0	37.40	1.76	45.50	2.23	53.60	2.72	57.60	2.97	65.70	3.38	69.70	3.59	77.80	4.02		
	99.0	37.40	1.92	45.50	2.44	53.60	2.96	57.60	3.23	65.70	3.66	69.70	3.88	77.80	4.32		
	102.0	37.40	2.12	45.50	2.67	53.60	3.22	57.60	3.51	65.70	3.95	69.70	4.18	77.80	4.63		
	106.0	37.40	2.33	45.50	2.91	53.60	3.51	57.60	3.81	65.70	4.28	69.70	4.51	77.80	4.97		
	111.0	37.40	2.71	45.50	3.36	53.60	4.03	57.60	4.36	65.70	4.85	69.70	5.09	77.80	5.58		
115.0	37.40	3.01	45.50	3.71	53.60	4.42	57.60	4.79	64.20	5.12	66.70	5.19	71.00	5.26			
118.0	37.40	3.38	43.80	3.93	50.20	4.49	53.40	4.76	57.10	4.77	59.00	4.78	62.80	4.79			
120.0	37.40	3.48	41.20	3.83	46.50	4.29	49.10	4.52	52.90	4.52	54.80	4.53	58.70	4.56			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	23.0	32.80	0.89	39.80	1.09	46.90	1.29	50.40	1.39	57.50	1.55	61.00	1.63	68.00	1.79
	27.0	32.80	0.90	39.80	1.10	46.90	1.30	50.40	1.40	57.50	1.56	61.00	1.64	68.00	1.80
	32.0	32.80	0.92	39.80	1.12	46.90	1.32	50.40	1.42	57.50	1.58	61.00	1.66	68.00	1.82
	37.0	32.80	0.93	39.80	1.13	46.90	1.33	50.40	1.43	57.50	1.60	61.00	1.68	68.00	1.84
	41.0	32.80	0.94	39.80	1.14	46.90	1.35	50.40	1.45	57.50	1.61	61.00	1.69	68.00	1.86
	46.0	32.80	0.97	39.80	1.17	46.90	1.37	50.40	1.47	57.50	1.64	61.00	1.72	68.00	1.88
	50.0	32.80	1.00	39.80	1.20	46.90	1.39	50.40	1.49	57.50	1.65	61.00	1.74	68.00	1.90
	54.0	32.80	1.02	39.80	1.22	46.90	1.41	50.40	1.51	57.50	1.68	61.00	1.76	68.00	1.92
	57.0	32.80	1.04	39.80	1.24	46.90	1.43	50.40	1.53	57.50	1.70	61.00	1.79	68.00	1.96
	61.0	32.80	1.06	39.80	1.26	46.90	1.46	50.40	1.57	57.50	1.74	61.00	1.83	68.00	2.01
	64.0	32.80	1.08	39.80	1.29	46.90	1.50	50.40	1.60	57.50	1.79	61.00	1.88	68.00	2.06
	68.0	32.80	1.10	39.80	1.32	46.90	1.54	50.40	1.65	57.50	1.84	61.00	1.94	68.00	2.14
	72.0	32.80	1.12	39.80	1.35	46.90	1.59	50.40	1.71	57.50	1.92	61.00	2.02	68.00	2.23
	75.0	32.80	1.15	39.80	1.40	46.90	1.66	50.40	1.78	57.50	2.01	61.00	2.12	68.00	2.36
	79.0	32.80	1.19	39.80	1.46	46.90	1.73	50.40	1.87	57.50	2.12	61.00	2.25	68.00	2.50
	82.0	32.80	1.23	39.80	1.53	46.90	1.83	50.40	1.98	57.50	2.25	61.00	2.38	68.00	2.65
	86.0	32.80	1.29	39.80	1.61	46.90	1.93	50.40	2.10	57.50	2.38	61.00	2.52	68.00	2.82
	90.0	32.80	1.36	39.80	1.70	46.90	2.06	50.40	2.23	57.50	2.54	61.00	2.70	68.00	3.03
	93.0	32.80	1.44	39.80	1.82	46.90	2.20	50.40	2.39	57.50	2.73	61.00	2.90	68.00	3.25
	95.0	32.80	1.51	39.80	1.89	46.90	2.29	50.40	2.49	57.50	2.84	61.00	3.01	68.00	3.38
99.0	32.80	1.65	39.80	2.06	46.90	2.49	50.40	2.70	57.50	3.07	61.00	3.26	68.00	3.63	
102.0	32.80	1.83	39.80	2.27	46.90	2.72	50.40	2.94	57.50	3.33	61.00	3.52	68.00	3.91	
106.0	32.80	1.99	39.80	2.47	46.90	2.96	50.40	3.22	57.50	3.62	61.00	3.82	68.00	4.23	
111.0	32.80	2.32	39.80	2.87	46.90	3.44	50.40	3.72	57.50	4.13	61.00	4.34	68.00	4.75	
115.0	32.80	2.58	39.80	3.18	46.90	3.80	50.40	4.11	57.40	4.53	60.80	4.72	67.00	5.04	
118.0	32.80	2.94	39.10	3.50	45.40	4.06	48.50	4.34	52.90	4.46	55.00	4.52	59.40	4.64	
120.0	32.80	3.03	36.10	3.53	42.10	4.05	45.10	4.32	49.30	4.37	51.40	4.40	55.70	4.46	
60	23.0	28.10	0.76	34.10	0.94	40.20	1.11	43.20	1.19	49.20	1.32	52.30	1.39	58.30	1.51
	27.0	28.10	0.77	34.10	0.95	40.20	1.12	43.20	1.20	49.20	1.33	52.30	1.40	58.30	1.52
	32.0	28.10	0.79	34.10	0.96	40.20	1.13	43.20	1.22	49.20	1.35	52.30	1.41	58.30	1.54
	37.0	28.10	0.81	34.10	0.98	40.20	1.15	43.20	1.24	49.20	1.36	52.30	1.43	58.30	1.55
	41.0	28.10	0.82	34.10	0.99	40.20	1.16	43.20	1.25	49.20	1.38	52.30	1.44	58.30	1.57
	46.0	28.10	0.84	34.10	1.01	40.20	1.18	43.20	1.27	49.20	1.40	52.30	1.46	58.30	1.59
	50.0	28.10	0.87	34.10	1.03	40.20	1.20	43.20	1.28	49.20	1.41	52.30	1.48	58.30	1.61
	54.0	28.10	0.88	34.10	1.05	40.20	1.22	43.20	1.30	49.20	1.43	52.30	1.50	58.30	1.63
	57.0	28.10	0.89	34.10	1.06	40.20	1.23	43.20	1.32	49.20	1.45	52.30	1.52	58.30	1.66
	61.0	28.10	0.91	34.10	1.08	40.20	1.26	43.20	1.34	49.20	1.48	52.30	1.55	58.30	1.69
	64.0	28.10	0.93	34.10	1.11	40.20	1.28	43.20	1.37	49.20	1.52	52.30	1.59	58.30	1.74
	68.0	28.10	0.94	34.10	1.13	40.20	1.32	43.20	1.41	49.20	1.57	52.30	1.64	58.30	1.80
	72.0	28.10	0.96	34.10	1.16	40.20	1.36	43.20	1.46	49.20	1.62	52.30	1.70	58.30	1.87
	75.0	28.10	0.98	34.10	1.19	40.20	1.41	43.20	1.51	49.20	1.69	52.30	1.78	58.30	1.96
	79.0	28.10	1.01	34.10	1.24	40.20	1.47	43.20	1.58	49.20	1.78	52.30	1.88	58.30	2.08
	82.0	28.10	1.03	34.10	1.28	40.20	1.54	43.20	1.67	49.20	1.88	52.30	1.99	58.30	2.21
	86.0	28.10	1.08	34.10	1.35	40.20	1.62	43.20	1.75	49.20	1.99	52.30	2.10	58.30	2.34
	90.0	28.10	1.13	34.10	1.42	40.20	1.71	43.20	1.86	49.20	2.11	52.30	2.24	58.30	2.50
	93.0	28.10	1.19	34.10	1.50	40.20	1.82	43.20	1.97	49.20	2.26	52.30	2.40	58.30	2.68
	95.0	28.10	1.24	34.10	1.56	40.20	1.88	43.20	2.05	49.20	2.34	52.30	2.49	58.30	2.79
99.0	28.10	1.34	34.10	1.70	40.20	2.05	43.20	2.23	49.20	2.54	52.30	2.70	58.30	3.02	
102.0	28.10	1.49	34.10	1.87	40.20	2.25	43.20	2.44	49.20	2.77	52.30	2.94	58.30	3.27	
106.0	28.10	1.63	34.10	2.05	40.20	2.47	43.20	2.69	49.20	3.04	52.30	3.21	58.30	3.56	
111.0	28.10	1.91	34.10	2.39	40.20	2.88	43.20	3.13	49.20	3.50	52.30	3.68	58.30	4.05	
115.0	28.10	2.13	34.10	2.66	40.20	3.18	43.20	3.45	49.20	3.83	52.30	4.03	58.30	4.41	
118.0	28.10	2.45	33.80	2.96	39.40	3.47	42.30	3.72	47.00	3.97	49.30	4.09	54.00	4.34	
120.0	28.10	2.53	32.00	3.19	37.60	3.72	40.50	3.99	44.70	4.13	46.80	4.19	51.00	4.28	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	23.40	0.64	28.40	0.78	33.50	0.92	36.00	0.99	41.00	1.09	43.60	1.14	48.60	1.23
	27.0	23.40	0.65	28.40	0.79	33.50	0.93	36.00	1.01	41.00	1.10	43.60	1.15	48.60	1.24
	32.0	23.40	0.67	28.40	0.81	33.50	0.95	36.00	1.02	41.00	1.11	43.60	1.16	48.60	1.26
	37.0	23.40	0.69	28.40	0.83	33.50	0.97	36.00	1.04	41.00	1.13	43.60	1.18	48.60	1.27
	41.0	23.40	0.70	28.40	0.84	33.50	0.98	36.00	1.05	41.00	1.14	43.60	1.19	48.60	1.28
	46.0	23.40	0.71	28.40	0.85	33.50	0.99	36.00	1.06	41.00	1.16	43.60	1.21	48.60	1.30
	50.0	23.40	0.73	28.40	0.87	33.50	1.00	36.00	1.07	41.00	1.17	43.60	1.22	48.60	1.32
	54.0	23.40	0.74	28.40	0.88	33.50	1.02	36.00	1.09	41.00	1.19	43.60	1.24	48.60	1.33
	57.0	23.40	0.75	28.40	0.89	33.50	1.03	36.00	1.11	41.00	1.21	43.60	1.26	48.60	1.36
	61.0	23.40	0.76	28.40	0.90	33.50	1.05	36.00	1.12	41.00	1.23	43.60	1.28	48.60	1.38
	64.0	23.40	0.77	28.40	0.92	33.50	1.07	36.00	1.15	41.00	1.25	43.60	1.30	48.60	1.41
	68.0	23.40	0.79	28.40	0.94	33.50	1.10	36.00	1.17	41.00	1.29	43.60	1.35	48.60	1.46
	72.0	23.40	0.81	28.40	0.96	33.50	1.12	36.00	1.20	41.00	1.33	43.60	1.39	48.60	1.52
	75.0	23.40	0.81	28.40	0.98	33.50	1.16	36.00	1.24	41.00	1.38	43.60	1.45	48.60	1.58
	79.0	23.40	0.82	28.40	1.01	33.50	1.20	36.00	1.30	41.00	1.45	43.60	1.52	48.60	1.67
	82.0	23.40	0.84	28.40	1.04	33.50	1.25	36.00	1.36	41.00	1.52	43.60	1.61	48.60	1.78
	86.0	23.40	0.86	28.40	1.09	33.50	1.31	36.00	1.42	41.00	1.60	43.60	1.70	48.60	1.88
	90.0	23.40	0.91	28.40	1.14	33.50	1.37	36.00	1.49	41.00	1.69	43.60	1.80	48.60	2.01
	93.0	23.40	0.94	28.40	1.19	33.50	1.44	36.00	1.57	41.00	1.80	43.60	1.92	48.60	2.15
	95.0	23.40	0.97	28.40	1.23	33.50	1.48	36.00	1.61	41.00	1.86	43.60	1.98	48.60	2.22
99.0	23.40	1.04	28.40	1.33	33.50	1.63	36.00	1.77	41.00	2.03	43.60	2.16	48.60	2.42	
102.0	23.40	1.15	28.40	1.47	33.50	1.79	36.00	1.95	41.00	2.23	43.60	2.37	48.60	2.65	
106.0	23.40	1.27	28.40	1.63	33.50	1.98	36.00	2.16	41.00	2.46	43.60	2.61	48.60	2.91	
111.0	23.40	1.50	28.40	1.92	33.50	2.34	36.00	2.55	41.00	2.88	43.60	3.05	48.60	3.38	
115.0	23.40	1.68	28.40	2.14	33.50	2.59	36.00	2.82	41.00	3.17	43.60	3.35	48.60	3.71	
118.0	23.40	1.95	28.40	2.41	33.50	2.88	36.00	3.11	41.00	3.48	43.60	3.67	48.60	4.04	
120.0	23.40	2.01	28.40	2.63	33.50	3.10	36.00	3.32	39.70	3.58	41.80	3.70	46.40	3.93	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	125.00	7.88	121.10	7.30	105.30	5.19	101.40	4.94	97.40	4.71
	57.0	53.0	125.00	8.55	121.10	7.94	105.30	5.68	101.40	5.39	97.40	5.11
	54.0	50.0	125.00	9.26	121.10	8.59	105.30	6.21	101.40	5.88	97.40	5.55
	51.0	47.0	125.00	10.02	121.10	9.34	105.30	6.80	101.40	6.40	97.40	6.02
	47.0	43.0	125.00	10.77	121.10	10.08	105.30	7.44	101.40	6.97	97.40	6.53
	44.0	40.0	125.00	11.55	121.10	10.84	105.30	8.13	101.40	7.60	97.40	7.09
	39.0	36.0	125.00	12.38	121.10	11.63	105.30	8.84	101.40	8.26	97.40	7.70
	35.0	32.0	125.00	13.22	121.10	12.45	105.30	9.55	101.40	8.93	97.40	8.32
	30.0	28.0	125.00	14.06	121.10	13.30	105.30	10.35	101.40	9.66	97.40	8.99
	26.0	24.0	125.00	14.90	121.10	14.14	105.30	11.14	101.40	10.42	97.40	9.71
	23.0	21.0	125.00	15.75	121.10	14.98	105.30	11.93	101.40	11.17	97.40	10.43
	19.0	18.0	124.60	16.53	121.10	15.83	105.30	12.73	101.40	11.94	97.40	11.16
	17.0	15.0	123.20	16.57	121.10	16.28	105.30	13.17	101.40	12.35	97.40	11.55
	13.0	12.0	119.90	16.54	119.90	16.86	105.30	14.03	101.40	13.19	97.40	12.36
	10.0	9.0	116.70	16.50	116.70	16.82	105.30	14.88	101.40	14.02	97.40	13.17
	6.0	5.0	111.80	16.44	111.80	16.77	105.30	16.16	101.40	15.28	97.40	14.41
	2.0	1.0	108.60	16.41	108.60	16.73	105.30	17.05	101.40	16.11	97.40	15.23
	-1.8	-2.2	105.30	16.37	105.30	16.69	105.30	17.99	101.40	17.04	97.40	16.11
	-3.6	-4.0	103.70	16.35	103.70	16.68	103.70	17.97	101.10	17.44	97.40	16.56
	-7.1	-7.6	100.50	16.31	100.50	16.64	100.40	17.94	97.90	17.40	95.30	16.87
-12.6	-13.0	95.60	16.26	95.60	16.58	95.60	17.88	93.00	17.35	90.50	16.81	
120	60.0	56.0	115.40	6.57	111.80	6.15	97.20	4.59	93.60	4.41	89.90	4.23
	57.0	53.0	115.40	7.14	111.80	6.68	97.20	4.98	93.60	4.76	89.90	4.55
	54.0	50.0	115.40	7.73	111.80	7.24	97.20	5.42	93.60	5.16	89.90	4.91
	51.0	47.0	115.40	8.39	111.80	7.85	97.20	5.90	93.60	5.60	89.90	5.31
	47.0	43.0	115.40	9.07	111.80	8.50	97.20	6.43	93.60	6.08	89.90	5.74
	44.0	40.0	115.40	9.76	111.80	9.17	97.20	6.99	93.60	6.59	89.90	6.20
	39.0	36.0	115.40	10.48	111.80	9.85	97.20	7.58	93.60	7.13	89.90	6.70
	35.0	32.0	115.40	11.25	111.80	10.57	97.20	8.17	93.60	7.68	89.90	7.21
	30.0	28.0	115.40	12.04	111.80	11.33	97.20	8.77	93.60	8.25	89.90	7.75
	26.0	24.0	115.40	12.86	111.80	12.12	97.20	9.44	93.60	8.88	89.90	8.33
	23.0	21.0	115.40	13.69	111.80	12.94	97.20	10.14	93.60	9.55	89.90	8.96
	19.0	18.0	115.40	14.52	111.80	13.76	97.20	10.85	93.60	10.23	89.90	9.61
	17.0	15.0	115.40	14.93	111.80	14.17	97.20	11.22	93.60	10.58	89.90	9.95
	13.0	12.0	115.40	15.80	111.80	15.00	97.20	12.01	93.60	11.34	89.90	10.67
	10.0	9.0	114.60	16.48	111.80	15.88	97.20	12.82	93.60	12.12	89.90	11.42
	6.0	5.0	109.80	16.43	109.20	16.49	97.20	14.04	93.60	13.31	89.90	12.59
	2.0	1.0	106.50	16.39	105.90	16.46	97.20	14.86	93.60	14.11	89.90	13.37
	-1.8	-2.2	103.30	16.35	102.70	16.42	97.20	15.73	93.60	14.95	89.90	14.17
	-3.6	-4.0	101.70	16.34	101.10	16.40	97.20	16.19	93.60	15.39	89.90	14.60
	-7.1	-7.6	98.40	16.30	97.80	16.36	95.60	16.62	92.90	16.08	89.90	15.48
-12.6	-13.0	93.60	16.24	93.00	16.31	90.70	16.57	88.00	16.03	85.30	15.49	
110	60.0	56.0	105.80	5.39	102.50	5.10	89.10	4.04	85.80	3.90	82.40	3.76
	57.0	53.0	105.80	5.85	102.50	5.52	89.10	4.33	85.80	4.17	82.40	4.01
	54.0	50.0	105.80	6.36	102.50	6.00	89.10	4.67	85.80	4.49	82.40	4.30
	51.0	47.0	105.80	6.91	102.50	6.51	89.10	5.06	85.80	4.84	82.40	4.63
	47.0	43.0	105.80	7.51	102.50	7.07	89.10	5.50	85.80	5.24	82.40	4.98
	44.0	40.0	105.80	8.14	102.50	7.66	89.10	5.95	85.80	5.66	82.40	5.37
	39.0	36.0	105.80	8.78	102.50	8.26	89.10	6.43	85.80	6.09	82.40	5.77
	35.0	32.0	105.80	9.45	102.50	8.87	89.10	6.90	85.80	6.54	82.40	6.18
	30.0	28.0	105.80	10.16	102.50	9.54	89.10	7.37	85.80	6.99	82.40	6.60
	26.0	24.0	105.80	10.90	102.50	10.25	89.10	7.88	85.80	7.46	82.40	7.05
	23.0	21.0	105.80	11.68	102.50	10.97	89.10	8.45	85.80	8.01	82.40	7.57
	19.0	18.0	105.80	12.49	102.50	11.76	89.10	9.08	85.80	8.60	82.40	8.13
	17.0	15.0	105.80	12.90	102.50	12.16	89.10	9.40	85.80	8.91	82.40	8.43
	13.0	12.0	105.80	13.72	102.50	12.97	89.10	10.10	85.80	9.58	82.40	9.06
	10.0	9.0	105.80	14.55	102.50	13.78	89.10	10.83	85.80	10.28	82.40	9.74
	6.0	5.0	105.80	15.86	102.50	15.03	89.10	11.99	85.80	11.40	82.40	10.82
	2.0	1.0	104.50	16.38	102.40	15.91	89.10	12.77	85.80	12.16	82.40	11.56
	-1.8	-2.2	101.20	16.34	100.10	16.14	89.10	13.57	85.80	12.94	82.40	12.32
	-3.6	-4.0	99.60	16.32	98.50	16.13	89.10	13.99	85.80	13.34	82.40	12.71
	-7.1	-7.6	96.40	16.28	95.20	16.09	89.10	14.85	85.80	14.19	82.40	13.54
-12.6	-13.0	91.50	16.23	90.40	16.03	85.90	15.25	83.00	14.71	80.10	14.17	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	96.20	4.28	93.20	4.12	81.00	3.52	78.00	3.42	74.90	3.31
	57.0	53.0	96.20	4.66	93.20	4.46	81.00	3.73	78.00	3.61	74.90	3.50
	54.0	50.0	96.20	5.08	93.20	4.85	81.00	3.98	78.00	3.85	74.90	3.72
	51.0	47.0	96.20	5.56	93.20	5.28	81.00	4.28	78.00	4.13	74.90	3.98
	47.0	43.0	96.20	6.07	93.20	5.76	81.00	4.63	78.00	4.45	74.90	4.27
	44.0	40.0	96.20	6.63	93.20	6.27	81.00	5.00	78.00	4.79	74.90	4.58
	39.0	36.0	96.20	7.22	93.20	6.81	81.00	5.37	78.00	5.13	74.90	4.89
	35.0	32.0	96.20	7.81	93.20	7.36	81.00	5.74	78.00	5.48	74.90	5.21
	30.0	28.0	96.20	8.43	93.20	7.91	81.00	6.11	78.00	5.82	74.90	5.54
	26.0	24.0	96.20	9.12	93.20	8.54	81.00	6.48	78.00	6.18	74.90	5.87
	23.0	21.0	96.20	9.82	93.20	9.19	81.00	6.90	78.00	6.58	74.90	6.26
	19.0	18.0	96.20	10.53	93.20	9.87	81.00	7.41	78.00	7.06	74.90	6.72
	17.0	15.0	96.20	10.91	93.20	10.23	81.00	7.69	78.00	7.33	74.90	6.97
	13.0	12.0	96.20	11.71	93.20	10.99	81.00	8.29	78.00	7.90	74.90	7.52
	10.0	9.0	96.20	12.53	93.20	11.78	81.00	8.94	78.00	8.53	74.90	8.12
	6.0	5.0	96.20	13.75	93.20	12.98	81.00	10.00	78.00	9.55	74.90	9.10
	2.0	1.0	96.20	14.58	93.20	13.78	81.00	10.74	78.00	10.27	74.90	9.80
	-1.8	-2.2	96.20	15.46	93.20	14.63	81.00	11.48	78.00	10.99	74.90	10.50
	-3.6	-4.0	96.20	15.91	93.20	15.08	81.00	11.85	78.00	11.36	74.90	10.86
	-7.1	-7.6	94.30	16.27	92.60	15.81	81.00	12.69	78.00	12.16	74.90	11.64
-12.6	-13.0	89.40	16.21	87.80	15.76	81.00	13.94	78.00	13.39	74.90	12.85	
90	60.0	56.0	86.60	3.72	83.80	3.59	72.90	3.12	70.20	3.04	67.40	2.96
	57.0	53.0	86.60	3.99	83.80	3.85	72.90	3.30	70.20	3.21	67.40	3.12
	54.0	50.0	86.60	4.30	83.80	4.14	72.90	3.51	70.20	3.40	67.40	3.30
	51.0	47.0	86.60	4.65	83.80	4.46	72.90	3.75	70.20	3.63	67.40	3.51
	47.0	43.0	86.60	5.02	83.80	4.81	72.90	4.03	70.20	3.89	67.40	3.75
	44.0	40.0	86.60	5.42	83.80	5.19	72.90	4.33	70.20	4.17	67.40	4.00
	39.0	36.0	86.60	5.85	83.80	5.59	72.90	4.63	70.20	4.44	67.40	4.26
	35.0	32.0	86.60	6.32	83.80	6.03	72.90	4.92	70.20	4.72	67.40	4.52
	30.0	28.0	86.60	6.81	83.80	6.47	72.90	5.24	70.20	5.02	67.40	4.80
	26.0	24.0	86.60	7.35	83.80	6.97	72.90	5.56	70.20	5.33	67.40	5.09
	23.0	21.0	86.60	7.93	83.80	7.51	72.90	5.92	70.20	5.67	67.40	5.42
	19.0	18.0	86.60	8.54	83.80	8.09	72.90	6.36	70.20	6.08	67.40	5.81
	17.0	15.0	86.60	8.86	83.80	8.39	72.90	6.60	70.20	6.31	67.40	6.03
	13.0	12.0	86.60	9.53	83.80	9.03	72.90	7.12	70.20	6.80	67.40	6.49
	10.0	9.0	86.60	10.24	83.80	9.70	72.90	7.68	70.20	7.34	67.40	7.00
	6.0	5.0	86.60	11.35	83.80	10.79	72.90	8.62	70.20	8.24	67.40	7.86
	2.0	1.0	86.60	12.12	83.80	11.54	72.90	9.28	70.20	8.88	67.40	8.48
	-1.8	-2.2	86.60	12.91	83.80	12.31	72.90	9.97	70.20	9.55	67.40	9.12
	-3.6	-4.0	86.60	13.31	83.80	12.70	72.90	10.32	70.20	9.89	67.40	9.46
	-7.1	-7.6	86.60	14.15	83.80	13.53	72.90	11.08	70.20	10.62	67.40	10.16
-12.6	-13.0	82.50	14.32	80.60	13.91	72.90	12.27	70.20	11.79	67.40	11.30	
80	60.0	56.0	77.00	3.18	74.50	3.09	64.80	2.71	62.40	2.66	59.90	2.60
	57.0	53.0	77.00	3.37	74.50	3.26	64.80	2.87	62.40	2.80	59.90	2.74
	54.0	50.0	77.00	3.57	74.50	3.46	64.80	3.03	62.40	2.96	59.90	2.88
	51.0	47.0	77.00	3.80	74.50	3.69	64.80	3.22	62.40	3.13	59.90	3.05
	47.0	43.0	77.00	4.05	74.50	3.92	64.80	3.44	62.40	3.33	59.90	3.23
	44.0	40.0	77.00	4.30	74.50	4.17	64.80	3.66	62.40	3.54	59.90	3.43
	39.0	36.0	77.00	4.59	74.50	4.45	64.80	3.88	62.40	3.76	59.90	3.63
	35.0	32.0	77.00	4.93	74.50	4.76	64.80	4.10	62.40	3.97	59.90	3.83
	30.0	28.0	77.00	5.30	74.50	5.10	64.80	4.36	62.40	4.21	59.90	4.06
	26.0	24.0	77.00	5.71	74.50	5.49	64.80	4.64	62.40	4.47	59.90	4.31
	23.0	21.0	77.00	6.16	74.50	5.92	64.80	4.95	62.40	4.77	59.90	4.59
	19.0	18.0	77.00	6.66	74.50	6.39	64.80	5.31	62.40	5.11	59.90	4.91
	17.0	15.0	77.00	6.93	74.50	6.64	64.80	5.51	62.40	5.30	59.90	5.08
	13.0	12.0	77.00	7.47	74.50	7.16	64.80	5.95	62.40	5.71	59.90	5.46
	10.0	9.0	77.00	8.06	74.50	7.73	64.80	6.43	62.40	6.16	59.90	5.89
	6.0	5.0	77.00	9.04	74.50	8.67	64.80	7.23	62.40	6.93	59.90	6.62
	2.0	1.0	77.00	9.73	74.50	9.34	64.80	7.83	62.40	7.49	59.90	7.16
	-1.8	-2.2	77.00	10.47	74.50	10.06	64.80	8.45	62.40	8.10	59.90	7.74
	-3.6	-4.0	77.00	10.84	74.50	10.42	64.80	8.79	62.40	8.42	59.90	8.05
	-7.1	-7.6	77.00	11.60	74.50	11.17	64.80	9.47	62.40	9.08	59.90	8.69
-12.6	-13.0	75.60	12.42	73.40	12.06	64.80	10.61	62.40	10.18	59.90	9.75	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM072*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	67.30	2.71	65.20	2.63	56.70	2.33	54.60	2.29	52.40	2.25
	57.0	53.0	67.30	2.84	65.20	2.76	56.70	2.46	54.60	2.41	52.40	2.36
	54.0	50.0	67.30	2.98	65.20	2.90	56.70	2.59	54.60	2.54	52.40	2.48
	51.0	47.0	67.30	3.15	65.20	3.06	56.70	2.74	54.60	2.68	52.40	2.61
	47.0	43.0	67.30	3.31	65.20	3.23	56.70	2.91	54.60	2.83	52.40	2.76
	44.0	40.0	67.30	3.49	65.20	3.40	56.70	3.07	54.60	2.99	52.40	2.91
	39.0	36.0	67.30	3.69	65.20	3.60	56.70	3.24	54.60	3.16	52.40	3.07
	35.0	32.0	67.30	3.93	65.20	3.83	56.70	3.42	54.60	3.33	52.40	3.23
	30.0	28.0	67.30	4.21	65.20	4.09	56.70	3.63	54.60	3.53	52.40	3.42
	26.0	24.0	67.30	4.52	65.20	4.39	56.70	3.86	54.60	3.75	52.40	3.63
	23.0	21.0	67.30	4.87	65.20	4.72	56.70	4.11	54.60	3.98	52.40	3.85
	19.0	18.0	67.30	5.26	65.20	5.08	56.70	4.40	54.60	4.26	52.40	4.11
	17.0	15.0	67.30	5.47	65.20	5.29	56.70	4.56	54.60	4.41	52.40	4.25
	13.0	12.0	67.30	5.90	65.20	5.70	56.70	4.92	54.60	4.74	52.40	4.56
	10.0	9.0	67.30	6.38	65.20	6.16	56.70	5.30	54.60	5.10	52.40	4.90
	6.0	5.0	67.30	7.18	65.20	6.94	56.70	5.96	54.60	5.73	52.40	5.49
	2.0	1.0	67.30	7.76	65.20	7.50	56.70	6.46	54.60	6.20	52.40	5.94
	-1.8	-2.2	67.30	8.41	65.20	8.13	56.70	7.01	54.60	6.72	52.40	6.44
	-3.6	-4.0	67.30	8.75	65.20	8.46	56.70	7.30	54.60	7.01	52.40	6.71
	-7.1	-7.6	67.30	9.42	65.20	9.12	56.70	7.90	54.60	7.58	52.40	7.26
-12.6	-13.0	67.30	10.47	65.20	10.16	56.70	8.92	54.60	8.56	52.40	8.20	
60	60.0	56.0	57.70	2.27	55.90	2.21	48.60	1.97	46.80	1.94	45.00	1.90
	57.0	53.0	57.70	2.38	55.90	2.32	48.60	2.08	46.80	2.04	45.00	2.00
	54.0	50.0	57.70	2.50	55.90	2.44	48.60	2.19	46.80	2.14	45.00	2.10
	51.0	47.0	57.70	2.63	55.90	2.56	48.60	2.31	46.80	2.26	45.00	2.21
	47.0	43.0	57.70	2.76	55.90	2.69	48.60	2.44	46.80	2.38	45.00	2.32
	44.0	40.0	57.70	2.91	55.90	2.84	48.60	2.57	46.80	2.51	45.00	2.45
	39.0	36.0	57.70	3.08	55.90	3.01	48.60	2.72	46.80	2.65	45.00	2.58
	35.0	32.0	57.70	3.27	55.90	3.19	48.60	2.87	46.80	2.80	45.00	2.73
	30.0	28.0	57.70	3.48	55.90	3.39	48.60	3.05	46.80	2.97	45.00	2.88
	26.0	24.0	57.70	3.71	55.90	3.62	48.60	3.23	46.80	3.14	45.00	3.05
	23.0	21.0	57.70	3.97	55.90	3.87	48.60	3.43	46.80	3.33	45.00	3.23
	19.0	18.0	57.70	4.26	55.90	4.13	48.60	3.64	46.80	3.53	45.00	3.42
	17.0	15.0	57.70	4.41	55.90	4.28	48.60	3.76	46.80	3.64	45.00	3.53
	13.0	12.0	57.70	4.73	55.90	4.59	48.60	4.03	46.80	3.90	45.00	3.77
	10.0	9.0	57.70	5.09	55.90	4.93	48.60	4.31	46.80	4.17	45.00	4.03
	6.0	5.0	57.70	5.71	55.90	5.53	48.60	4.80	46.80	4.64	45.00	4.47
	2.0	1.0	57.70	6.17	55.90	5.98	48.60	5.19	46.80	5.01	45.00	4.82
	-1.8	-2.2	57.70	6.70	55.90	6.49	48.60	5.63	46.80	5.42	45.00	5.21
	-3.6	-4.0	57.70	6.98	55.90	6.76	48.60	5.87	46.80	5.65	45.00	5.43
	-7.1	-7.6	57.70	7.55	55.90	7.32	48.60	6.36	46.80	6.12	45.00	5.88
-12.6	-13.0	57.70	8.47	55.90	8.22	48.60	7.21	46.80	6.94	45.00	6.66	
50	60.0	56.0	48.10	1.83	46.60	1.79	40.50	1.61	39.00	1.58	37.50	1.55
	57.0	53.0	48.10	1.92	46.60	1.88	40.50	1.70	39.00	1.67	37.50	1.63
	54.0	50.0	48.10	2.02	46.60	1.97	40.50	1.79	39.00	1.75	37.50	1.71
	51.0	47.0	48.10	2.11	46.60	2.06	40.50	1.89	39.00	1.84	37.50	1.80
	47.0	43.0	48.10	2.20	46.60	2.16	40.50	1.98	39.00	1.93	37.50	1.89
	44.0	40.0	48.10	2.33	46.60	2.28	40.50	2.07	39.00	2.03	37.50	1.98
	39.0	36.0	48.10	2.47	46.60	2.41	40.50	2.19	39.00	2.14	37.50	2.09
	35.0	32.0	48.10	2.61	46.60	2.55	40.50	2.33	39.00	2.27	37.50	2.22
	30.0	28.0	48.10	2.75	46.60	2.69	40.50	2.47	39.00	2.40	37.50	2.34
	26.0	24.0	48.10	2.90	46.60	2.84	40.50	2.60	39.00	2.54	37.50	2.47
	23.0	21.0	48.10	3.08	46.60	3.01	40.50	2.74	39.00	2.67	37.50	2.60
	19.0	18.0	48.10	3.26	46.60	3.18	40.50	2.88	39.00	2.81	37.50	2.74
	17.0	15.0	48.10	3.35	46.60	3.27	40.50	2.95	39.00	2.88	37.50	2.81
	13.0	12.0	48.10	3.55	46.60	3.47	40.50	3.14	39.00	3.06	37.50	2.98
	10.0	9.0	48.10	3.79	46.60	3.70	40.50	3.32	39.00	3.24	37.50	3.15
	6.0	5.0	48.10	4.23	46.60	4.12	40.50	3.65	39.00	3.55	37.50	3.45
	2.0	1.0	48.10	4.59	46.60	4.46	40.50	3.92	39.00	3.81	37.50	3.70
	-1.8	-2.2	48.10	4.99	46.60	4.84	40.50	4.25	39.00	4.12	37.50	3.99
	-3.6	-4.0	48.10	5.21	46.60	5.06	40.50	4.43	39.00	4.29	37.50	4.15
	-7.1	-7.6	48.10	5.69	46.60	5.51	40.50	4.83	39.00	4.67	37.50	4.51
-12.6	-13.0	48.10	6.47	46.60	6.28	40.50	5.50	39.00	5.31	37.50	5.12	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	23.0	81.10	2.08	98.60	2.71	116.10	3.34	124.80	3.66	142.30	4.11	151.00	4.34	168.50	4.79
	27.0	81.10	2.09	98.60	2.73	116.10	3.36	124.80	3.68	142.30	4.13	151.00	4.36	168.50	4.82
	32.0	81.10	2.13	98.60	2.77	116.10	3.40	124.80	3.72	142.30	4.17	151.00	4.40	168.50	4.86
	37.0	81.10	2.18	98.60	2.81	116.10	3.44	124.80	3.76	142.30	4.22	151.00	4.45	168.50	4.91
	41.0	81.10	2.21	98.60	2.84	116.10	3.47	124.80	3.79	142.30	4.25	151.00	4.49	168.50	4.97
	46.0	81.10	2.26	98.60	2.90	116.10	3.53	124.80	3.85	142.30	4.34	151.00	4.59	168.50	5.09
	50.0	81.10	2.32	98.60	2.95	116.10	3.58	124.80	3.90	142.30	4.42	151.00	4.68	168.50	5.21
	54.0	81.10	2.40	98.60	3.04	116.10	3.67	124.80	3.99	142.30	4.53	151.00	4.81	168.50	5.36
	57.0	81.10	2.48	98.60	3.12	116.10	3.76	124.80	4.09	142.30	4.66	151.00	4.95	167.60	5.49
	61.0	81.10	2.55	98.60	3.21	116.10	3.89	124.80	4.22	142.30	4.81	151.00	5.11	166.70	5.65
	64.0	81.10	2.66	98.60	3.34	116.10	4.02	124.80	4.36	142.30	4.98	151.00	5.30	165.70	5.85
	68.0	81.10	2.77	98.60	3.46	116.10	4.18	124.80	4.54	142.30	5.21	151.00	5.57	164.80	6.13
	72.0	81.10	2.89	98.60	3.61	116.10	4.37	124.80	4.77	142.30	5.49	151.00	5.89	163.80	6.49
	75.0	81.10	3.00	98.60	3.76	116.10	4.60	124.80	5.05	142.30	5.85	151.00	6.28	162.80	6.92
	79.0	81.10	3.15	98.60	3.98	116.10	4.89	124.80	5.38	142.30	6.25	151.00	6.73	161.90	7.42
	82.0	81.10	3.31	98.60	4.21	116.10	5.21	124.80	5.75	142.30	6.74	151.00	7.27	160.90	7.95
	86.0	81.10	3.50	98.60	4.51	116.10	5.59	124.80	6.21	142.30	7.27	151.00	7.84	160.00	8.55
	90.0	81.10	3.78	98.60	4.81	116.10	6.06	124.80	6.71	142.30	7.81	150.70	8.43	159.00	9.23
	93.0	81.10	4.00	98.60	5.26	116.10	6.54	124.80	7.20	142.30	8.45	149.70	9.08	158.00	9.88
	95.0	81.10	4.23	98.60	5.50	116.10	6.78	124.80	7.46	142.30	8.81	149.20	9.40	157.60	10.00
	99.0	81.10	4.68	98.60	5.96	116.10	7.31	124.80	8.09	142.30	9.54	148.30	10.06	152.90	9.89
	102.0	81.10	5.13	98.60	6.42	116.10	7.95	124.80	8.77	139.40	9.94	140.50	9.75	142.00	9.26
	106.0	81.10	5.54	98.60	7.01	116.10	8.64	124.80	9.51	128.80	9.36	129.50	9.11	131.10	8.64
	111.0	81.10	6.38	98.60	8.03	109.40	8.95	110.70	8.87	112.20	8.38	113.00	8.15	114.80	7.70
115.0	81.10	7.05	95.30	8.40	98.00	8.25	99.30	8.17	101.10	7.72	102.00	7.51	104.00	7.08	
118.0	81.10	7.85	83.80	7.70	86.60	7.55	87.90	7.47	90.00	7.07	91.00	6.86	93.10	6.46	
120.0	79.48	7.93	79.61	7.54	81.60	7.36	82.20	7.15	84.30	6.73	85.40	6.53	87.70	6.15	
120	23.0	74.90	1.94	91.00	2.50	107.10	3.06	115.20	3.34	131.30	3.76	139.40	3.97	155.50	4.39
	27.0	74.90	1.95	91.00	2.51	107.10	3.08	115.20	3.36	131.30	3.78	139.40	3.99	155.50	4.41
	32.0	74.90	1.98	91.00	2.55	107.10	3.11	115.20	3.39	131.30	3.82	139.40	4.03	155.50	4.45
	37.0	74.90	2.03	91.00	2.59	107.10	3.15	115.20	3.44	131.30	3.86	139.40	4.07	155.50	4.49
	41.0	74.90	2.06	91.00	2.62	107.10	3.18	115.20	3.46	131.30	3.89	139.40	4.10	155.50	4.54
	46.0	74.90	2.10	91.00	2.67	107.10	3.24	115.20	3.52	131.30	3.96	139.40	4.18	155.50	4.63
	50.0	74.90	2.16	91.00	2.72	107.10	3.28	115.20	3.56	131.30	4.03	139.40	4.27	155.50	4.74
	54.0	74.90	2.22	91.00	2.79	107.10	3.35	115.20	3.64	131.30	4.12	139.40	4.37	155.50	4.86
	57.0	74.90	2.28	91.00	2.85	107.10	3.43	115.20	3.72	131.30	4.23	139.40	4.48	155.50	5.00
	61.0	74.90	2.34	91.00	2.93	107.10	3.53	115.20	3.84	131.30	4.36	139.40	4.62	155.50	5.16
	64.0	74.90	2.43	91.00	3.03	107.10	3.65	115.20	3.96	131.30	4.51	139.40	4.79	155.50	5.37
	68.0	74.90	2.51	91.00	3.14	107.10	3.78	115.20	4.11	131.30	4.70	139.40	5.00	155.50	5.64
	72.0	74.90	2.61	91.00	3.27	107.10	3.95	115.20	4.30	131.30	4.93	139.40	5.27	155.50	5.98
	75.0	74.90	2.72	91.00	3.41	107.10	4.15	115.20	4.54	131.30	5.23	139.40	5.60	155.50	6.40
	79.0	74.90	2.86	91.00	3.61	107.10	4.41	115.20	4.84	131.30	5.59	139.40	6.01	155.50	6.91
	82.0	74.90	3.01	91.00	3.82	107.10	4.71	115.20	5.18	131.30	6.02	139.40	6.48	155.50	7.46
	86.0	74.90	3.19	91.00	4.08	107.10	5.06	115.20	5.59	131.30	6.51	139.40	7.00	155.50	8.05
	90.0	74.90	3.41	91.00	4.37	107.10	5.46	115.20	6.05	131.30	7.03	139.40	7.54	155.50	8.68
	93.0	74.90	3.62	91.00	4.74	107.10	5.92	115.20	6.54	131.30	7.55	139.40	8.13	154.70	9.31
	95.0	74.90	3.81	91.00	4.95	107.10	6.15	115.20	6.78	131.30	7.85	139.40	8.45	154.20	9.62
	99.0	74.90	4.20	91.00	5.38	107.10	6.63	115.20	7.31	131.30	8.48	139.40	9.11	150.90	9.86
	102.0	74.90	4.59	91.00	5.83	107.10	7.19	115.20	7.90	131.30	9.14	137.50	9.57	140.10	9.25
	106.0	74.90	5.02	91.00	6.36	107.10	7.79	115.20	8.53	126.20	9.21	127.30	9.03	129.30	8.63
	111.0	74.90	5.80	91.00	7.25	105.60	8.60	108.10	8.69	109.90	8.27	110.90	8.07	113.00	7.69
115.0	74.90	6.41	90.20	7.84	94.70	7.96	96.80	8.00	98.80	7.61	99.90	7.43	102.10	7.07	
118.0	74.90	7.08	79.10	7.17	83.30	7.26	85.40	7.30	87.70	6.96	88.90	6.79	91.20	6.44	
120.0	73.40	7.15	75.14	7.02	78.90	7.09	79.70	6.97	82.00	6.62	83.20	6.45	85.80	6.13	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
110	23.0	68.60	1.79	83.40	2.29	98.20	2.78	105.60	3.02	120.40	3.41	127.80	3.60	142.60	3.98		
	27.0	68.60	1.81	83.40	2.30	98.20	2.79	105.60	3.04	120.40	3.42	127.80	3.62	142.60	4.00		
	32.0	68.60	1.83	83.40	2.33	98.20	2.82	105.60	3.07	120.40	3.46	127.80	3.65	142.60	4.04		
	37.0	68.60	1.87	83.40	2.37	98.20	2.86	105.60	3.11	120.40	3.50	127.80	3.69	142.60	4.08		
	41.0	68.60	1.90	83.40	2.40	98.20	2.89	105.60	3.14	120.40	3.53	127.80	3.72	142.60	4.11		
	46.0	68.60	1.95	83.40	2.44	98.20	2.94	105.60	3.19	120.40	3.58	127.80	3.78	142.60	4.18		
	50.0	68.60	2.00	83.40	2.49	98.20	2.98	105.60	3.22	120.40	3.64	127.80	3.85	142.60	4.26		
	54.0	68.60	2.04	83.40	2.54	98.20	3.04	105.60	3.29	120.40	3.72	127.80	3.93	142.60	4.37		
	57.0	68.60	2.08	83.40	2.59	98.20	3.10	105.60	3.36	120.40	3.80	127.80	4.03	142.60	4.48		
	61.0	68.60	2.13	83.40	2.66	98.20	3.19	105.60	3.45	120.40	3.91	127.80	4.14	142.60	4.61		
	64.0	68.60	2.19	83.40	2.73	98.20	3.28	105.60	3.56	120.40	4.04	127.80	4.28	142.60	4.79		
	68.0	68.60	2.25	83.40	2.81	98.20	3.39	105.60	3.68	120.40	4.19	127.80	4.46	142.60	5.01		
	72.0	68.60	2.33	83.40	2.93	98.20	3.53	105.60	3.85	120.40	4.39	127.80	4.68	142.60	5.28		
	75.0	68.60	2.43	83.40	3.06	98.20	3.71	105.60	4.04	120.40	4.64	127.80	4.96	142.60	5.63		
	79.0	68.60	2.57	83.40	3.23	98.20	3.94	105.60	4.30	120.40	4.96	127.80	5.31	142.60	6.07		
	82.0	68.60	2.71	83.40	3.43	98.20	4.21	105.60	4.62	120.40	5.35	127.80	5.74	142.60	6.57		
	86.0	68.60	2.87	83.40	3.67	98.20	4.53	105.60	5.00	120.40	5.79	127.80	6.20	142.60	7.09		
	90.0	68.60	3.05	83.40	3.92	98.20	4.89	105.60	5.42	120.40	6.26	127.80	6.71	142.60	7.62		
	93.0	68.60	3.25	83.40	4.24	98.20	5.31	105.60	5.87	120.40	6.76	127.80	7.22	142.60	8.18		
	95.0	68.60	3.39	83.40	4.42	98.20	5.53	105.60	6.12	120.40	7.01	127.80	7.48	142.60	8.48		
	99.0	68.60	3.71	83.40	4.82	98.20	5.99	105.60	6.60	120.40	7.54	127.80	8.04	142.60	9.11		
	102.0	68.60	4.06	83.40	5.24	98.20	6.48	105.60	7.11	120.40	8.11	127.80	8.63	138.10	9.22		
	106.0	68.60	4.49	83.40	5.73	98.20	7.00	105.60	7.66	120.20	8.68	124.70	8.89	127.40	8.61		
	111.0	68.60	5.23	83.40	6.52	98.10	7.83	104.70	8.42	107.60	8.15	108.70	7.99	111.10	7.68		
115.0	68.60	5.76	83.20	7.06	91.40	7.66	94.30	7.83	96.50	7.50	97.70	7.35	100.20	7.05			
118.0	68.60	6.31	74.30	6.64	80.00	6.97	82.90	7.13	85.50	6.85	86.80	6.71	89.40	6.43			
120.0	67.91	6.44	70.58	6.50	76.20	6.83	77.20	6.80	79.70	6.51	81.10	6.37	83.90	6.12			
100	23.0	62.40	1.65	75.80	2.07	89.30	2.49	96.00	2.71	109.40	3.06	116.20	3.23	129.60	3.58		
	27.0	62.40	1.66	75.80	2.09	89.30	2.51	96.00	2.72	109.40	3.07	116.20	3.25	129.60	3.60		
	32.0	62.40	1.68	75.80	2.11	89.30	2.54	96.00	2.75	109.40	3.10	116.20	3.28	129.60	3.63		
	37.0	62.40	1.72	75.80	2.15	89.30	2.57	96.00	2.79	109.40	3.14	116.20	3.32	129.60	3.67		
	41.0	62.40	1.75	75.80	2.18	89.30	2.60	96.00	2.82	109.40	3.17	116.20	3.34	129.60	3.69		
	46.0	62.40	1.79	75.80	2.22	89.30	2.65	96.00	2.86	109.40	3.21	116.20	3.39	129.60	3.74		
	50.0	62.40	1.84	75.80	2.26	89.30	2.68	96.00	2.89	109.40	3.25	116.20	3.43	129.60	3.79		
	54.0	62.40	1.85	75.80	2.29	89.30	2.72	96.00	2.94	109.40	3.31	116.20	3.50	129.60	3.87		
	57.0	62.40	1.89	75.80	2.33	89.30	2.77	96.00	2.99	109.40	3.38	116.20	3.57	129.60	3.96		
	61.0	62.40	1.92	75.80	2.38	89.30	2.84	96.00	3.07	109.40	3.47	116.20	3.67	129.60	4.07		
	64.0	62.40	1.96	75.80	2.44	89.30	2.92	96.00	3.16	109.40	3.58	116.20	3.79	129.60	4.22		
	68.0	62.40	1.99	75.80	2.50	89.30	3.01	96.00	3.27	109.40	3.71	116.20	3.94	129.60	4.41		
	72.0	62.40	2.05	75.80	2.59	89.30	3.13	96.00	3.40	109.40	3.87	116.20	4.12	129.60	4.63		
	75.0	62.40	2.15	75.80	2.71	89.30	3.28	96.00	3.57	109.40	4.08	116.20	4.35	129.60	4.91		
	79.0	62.40	2.27	75.80	2.86	89.30	3.47	96.00	3.78	109.40	4.35	116.20	4.64	129.60	5.28		
	82.0	62.40	2.41	75.80	3.05	89.30	3.72	96.00	4.07	109.40	4.70	116.20	5.03	129.60	5.72		
	86.0	62.40	2.55	75.80	3.26	89.30	4.02	96.00	4.43	109.40	5.10	116.20	5.45	129.60	6.20		
	90.0	62.40	2.69	75.80	3.49	89.30	4.35	96.00	4.81	109.40	5.53	116.20	5.90	129.60	6.71		
	93.0	62.40	2.87	75.80	3.76	89.30	4.72	96.00	5.22	109.40	6.00	116.20	6.40	129.60	7.18		
	95.0	62.40	2.98	75.80	3.91	89.30	4.92	96.00	5.45	109.40	6.25	116.20	6.63	129.60	7.41		
	99.0	62.40	3.23	75.80	4.27	89.30	5.37	96.00	5.94	109.40	6.71	116.20	7.10	129.60	7.92		
	102.0	62.40	3.52	75.80	4.66	89.30	5.82	96.00	6.40	109.40	7.19	116.20	7.60	129.60	8.48		
	106.0	62.40	3.96	75.80	5.12	89.30	6.28	96.00	6.86	109.40	7.70	116.20	8.13	125.50	8.60		
	111.0	62.40	4.66	75.80	5.83	89.30	7.01	96.00	7.61	105.00	8.01	106.60	7.91	109.20	7.66		
115.0	62.40	5.11	75.80	6.29	87.60	7.31	91.70	7.66	94.30	7.39	95.60	7.27	98.40	7.04			
118.0	62.40	5.55	69.60	6.11	76.70	6.68	80.30	6.96	83.20	6.74	84.60	6.63	87.50	6.41			
120.0	61.78	5.66	66.12	5.98	73.50	6.57	74.60	6.63	77.50	6.40	79.00	6.30	82.10	6.11			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
90	23.0	56.20	1.50	68.30	1.87	80.40	2.24	86.40	2.42	98.50	2.73	104.50	2.88	116.60	3.18		
	27.0	56.20	1.51	68.30	1.88	80.40	2.25	86.40	2.43	98.50	2.74	104.50	2.89	116.60	3.20		
	32.0	56.20	1.53	68.30	1.90	80.40	2.27	86.40	2.46	98.50	2.77	104.50	2.92	116.60	3.23		
	37.0	56.20	1.56	68.30	1.93	80.40	2.31	86.40	2.49	98.50	2.80	104.50	2.95	116.60	3.26		
	41.0	56.20	1.59	68.30	1.96	80.40	2.33	86.40	2.52	98.50	2.82	104.50	2.98	116.60	3.28		
	46.0	56.20	1.63	68.30	2.00	80.40	2.37	86.40	2.56	98.50	2.87	104.50	3.02	116.60	3.33		
	50.0	56.20	1.67	68.30	2.04	80.40	2.40	86.40	2.58	98.50	2.90	104.50	3.06	116.60	3.37		
	54.0	56.20	1.69	68.30	2.07	80.40	2.44	86.40	2.63	98.50	2.95	104.50	3.11	116.60	3.43		
	57.0	56.20	1.73	68.30	2.10	80.40	2.48	86.40	2.67	98.50	3.00	104.50	3.17	116.60	3.50		
	61.0	56.20	1.76	68.30	2.15	80.40	2.54	86.40	2.74	98.50	3.08	104.50	3.25	116.60	3.60		
	64.0	56.20	1.79	68.30	2.20	80.40	2.61	86.40	2.81	98.50	3.17	104.50	3.35	116.60	3.72		
	68.0	56.20	1.82	68.30	2.25	80.40	2.69	86.40	2.90	98.50	3.28	104.50	3.47	116.60	3.87		
	72.0	56.20	1.87	68.30	2.33	80.40	2.79	86.40	3.02	98.50	3.42	104.50	3.63	116.60	4.06		
	75.0	56.20	1.95	68.30	2.43	80.40	2.91	86.40	3.16	98.50	3.60	104.50	3.82	116.60	4.29		
	79.0	56.20	2.05	68.30	2.55	80.40	3.08	86.40	3.34	98.50	3.82	104.50	4.06	116.60	4.56		
	82.0	56.20	2.16	68.30	2.70	80.40	3.28	86.40	3.57	98.50	4.08	104.50	4.35	116.60	4.90		
	86.0	56.20	2.28	68.30	2.88	80.40	3.52	86.40	3.85	98.50	4.40	104.50	4.69	116.60	5.29		
	90.0	56.20	2.40	68.30	3.07	80.40	3.79	86.40	4.16	98.50	4.75	104.50	5.06	116.60	5.71		
	93.0	56.20	2.56	68.30	3.31	80.40	4.09	86.40	4.50	98.50	5.14	104.50	5.47	116.60	6.15		
	95.0	56.20	2.66	68.30	3.44	80.40	4.26	86.40	4.69	98.50	5.35	104.50	5.69	116.60	6.36		
	99.0	56.20	2.90	68.30	3.76	80.40	4.65	86.40	5.11	98.50	5.78	104.50	6.12	116.60	6.80		
	102.0	56.20	3.18	68.30	4.10	80.40	5.05	86.40	5.53	98.50	6.22	104.50	6.57	116.60	7.28		
	106.0	56.20	3.53	68.30	4.49	80.40	5.48	86.40	5.98	98.50	6.69	104.50	7.06	116.60	7.83		
	111.0	56.20	4.14	68.30	5.16	80.40	6.19	86.40	6.73	98.20	7.47	102.50	7.66	107.30	7.65		
115.0	56.20	4.57	68.30	5.62	80.00	6.68	85.60	7.18	90.30	7.16	92.50	7.13	96.50	7.03			
118.0	56.20	5.03	64.00	5.68	71.80	6.33	75.70	6.66	79.70	6.56	81.70	6.51	85.60	6.41			
120.0	56.20	5.19	60.80	5.56	67.70	6.15	70.00	6.33	74.00	6.22	76.00	6.17	80.20	6.10			
80	23.0	49.90	1.34	60.70	1.66	71.40	1.98	76.80	2.13	87.60	2.39	92.90	2.52	103.70	2.78		
	27.0	49.90	1.36	60.70	1.68	71.40	1.99	76.80	2.15	87.60	2.41	92.90	2.54	103.70	2.80		
	32.0	49.90	1.38	60.70	1.70	71.40	2.01	76.80	2.17	87.60	2.43	92.90	2.56	103.70	2.82		
	37.0	49.90	1.41	60.70	1.72	71.40	2.04	76.80	2.20	87.60	2.46	92.90	2.59	103.70	2.85		
	41.0	49.90	1.42	60.70	1.74	71.40	2.06	76.80	2.22	87.60	2.48	92.90	2.61	103.70	2.88		
	46.0	49.90	1.46	60.70	1.78	71.40	2.10	76.80	2.26	87.60	2.52	92.90	2.65	103.70	2.91		
	50.0	49.90	1.51	60.70	1.82	71.40	2.13	76.80	2.28	87.60	2.55	92.90	2.68	103.70	2.95		
	54.0	49.90	1.54	60.70	1.85	71.40	2.16	76.80	2.31	87.60	2.58	92.90	2.72	103.70	2.99		
	57.0	49.90	1.56	60.70	1.88	71.40	2.19	76.80	2.35	87.60	2.63	92.90	2.77	103.70	3.04		
	61.0	49.90	1.59	60.70	1.92	71.40	2.24	76.80	2.41	87.60	2.69	92.90	2.84	103.70	3.12		
	64.0	49.90	1.63	60.70	1.96	71.40	2.30	76.80	2.47	87.60	2.77	92.90	2.92	103.70	3.22		
	68.0	49.90	1.65	60.70	2.01	71.40	2.37	76.80	2.55	87.60	2.86	92.90	3.02	103.70	3.34		
	72.0	49.90	1.69	60.70	2.07	71.40	2.45	76.80	2.64	87.60	2.98	92.90	3.15	103.70	3.50		
	75.0	49.90	1.75	60.70	2.15	71.40	2.56	76.80	2.76	87.60	3.13	92.90	3.32	103.70	3.70		
	79.0	49.90	1.82	60.70	2.25	71.40	2.69	76.80	2.91	87.60	3.31	92.90	3.51	103.70	3.93		
	82.0	49.90	1.90	60.70	2.37	71.40	2.85	76.80	3.09	87.60	3.52	92.90	3.73	103.70	4.18		
	86.0	49.90	2.00	60.70	2.51	71.40	3.03	76.80	3.30	87.60	3.75	92.90	3.99	103.70	4.48		
	90.0	49.90	2.11	60.70	2.67	71.40	3.24	76.80	3.54	87.60	4.03	92.90	4.29	103.70	4.82		
	93.0	49.90	2.25	60.70	2.86	71.40	3.49	76.80	3.81	87.60	4.35	92.90	4.62	103.70	5.18		
	95.0	49.90	2.35	60.70	2.98	71.40	3.63	76.80	3.96	87.60	4.52	92.90	4.80	103.70	5.38		
	99.0	49.90	2.57	60.70	3.25	71.40	3.96	76.80	4.31	87.60	4.89	92.90	5.18	103.70	5.77		
	102.0	49.90	2.84	60.70	3.56	71.40	4.31	76.80	4.69	87.60	5.28	92.90	5.58	103.70	6.19		
	106.0	49.90	3.11	60.70	3.88	71.40	4.68	76.80	5.10	87.60	5.71	92.90	6.02	103.70	6.63		
	111.0	49.90	3.62	60.70	4.49	71.40	5.38	76.80	5.83	87.60	6.47	92.90	6.80	103.70	7.45		
115.0	49.90	4.02	60.70	4.95	71.40	5.91	76.80	6.40	85.70	6.84	88.90	6.94	94.60	7.02			
118.0	49.90	4.52	58.40	5.26	66.90	5.99	71.20	6.36	76.20	6.38	78.70	6.38	83.70	6.40			
120.0	49.90	4.66	54.90	5.12	62.00	5.73	65.50	6.03	70.50	6.04	73.10	6.05	78.30	6.09			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
70	23.0	43.70	1.19	53.10	1.45	62.50	1.72	67.20	1.86	76.60	2.07	81.30	2.18	90.70	2.40		
	27.0	43.70	1.20	53.10	1.47	62.50	1.74	67.20	1.87	76.60	2.09	81.30	2.20	90.70	2.41		
	32.0	43.70	1.22	53.10	1.49	62.50	1.76	67.20	1.89	76.60	2.11	81.30	2.22	90.70	2.43		
	37.0	43.70	1.25	53.10	1.51	62.50	1.78	67.20	1.92	76.60	2.13	81.30	2.24	90.70	2.46		
	41.0	43.70	1.26	53.10	1.53	62.50	1.80	67.20	1.93	76.60	2.15	81.30	2.26	90.70	2.48		
	46.0	43.70	1.29	53.10	1.56	62.50	1.83	67.20	1.97	76.60	2.19	81.30	2.30	90.70	2.51		
	50.0	43.70	1.34	53.10	1.60	62.50	1.86	67.20	1.99	76.60	2.21	81.30	2.32	90.70	2.54		
	54.0	43.70	1.36	53.10	1.62	62.50	1.89	67.20	2.02	76.60	2.24	81.30	2.35	90.70	2.57		
	57.0	43.70	1.38	53.10	1.65	62.50	1.92	67.20	2.05	76.60	2.28	81.30	2.39	90.70	2.62		
	61.0	43.70	1.41	53.10	1.68	62.50	1.95	67.20	2.09	76.60	2.33	81.30	2.44	90.70	2.68		
	64.0	43.70	1.44	53.10	1.72	62.50	2.00	67.20	2.14	76.60	2.39	81.30	2.51	90.70	2.76		
	68.0	43.70	1.46	53.10	1.76	62.50	2.06	67.20	2.21	76.60	2.46	81.30	2.59	90.70	2.86		
	72.0	43.70	1.50	53.10	1.81	62.50	2.13	67.20	2.29	76.60	2.56	81.30	2.70	90.70	2.98		
	75.0	43.70	1.53	53.10	1.87	62.50	2.21	67.20	2.38	76.60	2.68	81.30	2.84	90.70	3.15		
	79.0	43.70	1.58	53.10	1.95	62.50	2.32	67.20	2.50	76.60	2.83	81.30	3.00	90.70	3.34		
	82.0	43.70	1.64	53.10	2.04	62.50	2.44	67.20	2.65	76.60	3.00	81.30	3.18	90.70	3.54		
	86.0	43.70	1.72	53.10	2.15	62.50	2.58	67.20	2.80	76.60	3.18	81.30	3.37	90.70	3.76		
	90.0	43.70	1.81	53.10	2.28	62.50	2.75	67.20	2.98	76.60	3.40	81.30	3.61	90.70	4.04		
	93.0	43.70	1.93	53.10	2.43	62.50	2.94	67.20	3.19	76.60	3.65	81.30	3.88	90.70	4.34		
	95.0	43.70	2.02	53.10	2.53	62.50	3.05	67.20	3.32	76.60	3.79	81.30	4.03	90.70	4.51		
	99.0	43.70	2.20	53.10	2.76	62.50	3.32	67.20	3.61	76.60	4.10	81.30	4.35	90.70	4.85		
	102.0	43.70	2.44	53.10	3.03	62.50	3.63	67.20	3.93	76.60	4.45	81.30	4.71	90.70	5.23		
	106.0	43.70	2.66	53.10	3.30	62.50	3.96	67.20	4.30	76.60	4.84	81.30	5.11	90.70	5.64		
	111.0	43.70	3.09	53.10	3.84	62.50	4.59	67.20	4.97	76.60	5.52	81.30	5.80	90.70	6.35		
115.0	43.70	3.45	53.10	4.25	62.50	5.07	67.20	5.49	76.60	6.05	81.00	6.30	89.30	6.74			
118.0	43.70	3.93	52.10	4.68	60.50	5.43	64.70	5.80	70.50	5.96	73.40	6.04	79.20	6.19			
120.0	43.70	4.05	48.20	4.72	56.10	5.42	60.10	5.77	65.70	5.84	68.50	5.88	74.30	5.96			
60	23.0	37.40	1.02	45.50	1.25	53.60	1.48	57.60	1.59	65.70	1.76	69.70	1.85	77.80	2.02		
	27.0	37.40	1.04	45.50	1.26	53.60	1.49	57.60	1.61	65.70	1.78	69.70	1.86	77.80	2.03		
	32.0	37.40	1.06	45.50	1.29	53.60	1.51	57.60	1.63	65.70	1.80	69.70	1.88	77.80	2.05		
	37.0	37.40	1.08	45.50	1.31	53.60	1.54	57.60	1.65	65.70	1.82	69.70	1.91	77.80	2.08		
	41.0	37.40	1.10	45.50	1.32	53.60	1.55	57.60	1.67	65.70	1.84	69.70	1.92	77.80	2.09		
	46.0	37.40	1.12	45.50	1.35	53.60	1.58	57.60	1.69	65.70	1.87	69.70	1.95	77.80	2.13		
	50.0	37.40	1.16	45.50	1.38	53.60	1.60	57.60	1.71	65.70	1.89	69.70	1.97	77.80	2.15		
	54.0	37.40	1.18	45.50	1.40	53.60	1.62	57.60	1.74	65.70	1.91	69.70	2.00	77.80	2.18		
	57.0	37.40	1.19	45.50	1.42	53.60	1.65	57.60	1.76	65.70	1.94	69.70	2.03	77.80	2.21		
	61.0	37.40	1.21	45.50	1.44	53.60	1.68	57.60	1.79	65.70	1.98	69.70	2.07	77.80	2.26		
	64.0	37.40	1.24	45.50	1.48	53.60	1.72	57.60	1.84	65.70	2.03	69.70	2.13	77.80	2.32		
	68.0	37.40	1.26	45.50	1.51	53.60	1.76	57.60	1.88	65.70	2.09	69.70	2.19	77.80	2.40		
	72.0	37.40	1.29	45.50	1.55	53.60	1.81	57.60	1.95	65.70	2.17	69.70	2.28	77.80	2.50		
	75.0	37.40	1.31	45.50	1.59	53.60	1.88	57.60	2.02	65.70	2.26	69.70	2.38	77.80	2.62		
	79.0	37.40	1.34	45.50	1.65	53.60	1.96	57.60	2.12	65.70	2.38	69.70	2.51	77.80	2.78		
	82.0	37.40	1.38	45.50	1.72	53.60	2.06	57.60	2.23	65.70	2.51	69.70	2.66	77.80	2.95		
	86.0	37.40	1.44	45.50	1.80	53.60	2.16	57.60	2.34	65.70	2.65	69.70	2.81	77.80	3.12		
	90.0	37.40	1.51	45.50	1.90	53.60	2.29	57.60	2.48	65.70	2.82	69.70	2.99	77.80	3.34		
	93.0	37.40	1.59	45.50	2.01	53.60	2.43	57.60	2.64	65.70	3.01	69.70	3.20	77.80	3.58		
	95.0	37.40	1.66	45.50	2.09	53.60	2.52	57.60	2.73	65.70	3.13	69.70	3.32	77.80	3.72		
	99.0	37.40	1.79	45.50	2.27	53.60	2.74	57.60	2.98	65.70	3.40	69.70	3.61	77.80	4.03		
	102.0	37.40	1.99	45.50	2.49	53.60	3.00	57.60	3.26	65.70	3.70	69.70	3.92	77.80	4.37		
	106.0	37.40	2.18	45.50	2.73	53.60	3.30	57.60	3.59	65.70	4.05	69.70	4.29	77.80	4.76		
	111.0	37.40	2.55	45.50	3.20	53.60	3.85	57.60	4.18	65.70	4.67	69.70	4.92	77.80	5.41		
115.0	37.40	2.85	45.50	3.55	53.60	4.25	57.60	4.61	65.70	5.12	69.70	5.38	77.80	5.89			
118.0	37.40	3.27	45.00	3.95	52.60	4.63	56.30	4.97	62.60	5.30	65.70	5.47	72.00	5.80			
120.0	37.40	3.37	42.70	4.26	50.20	4.98	54.00	5.33	59.60	5.51	62.40	5.59	68.00	5.72			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	31.20	0.85	37.90	1.04	44.60	1.23	48.00	1.33	54.70	1.46	58.10	1.52	64.80	1.65
	27.0	31.20	0.87	37.90	1.06	44.60	1.25	48.00	1.34	54.70	1.47	58.10	1.53	64.80	1.66
	32.0	31.20	0.89	37.90	1.08	44.60	1.27	48.00	1.36	54.70	1.49	58.10	1.55	64.80	1.68
	37.0	31.20	0.92	37.90	1.10	44.60	1.29	48.00	1.38	54.70	1.51	58.10	1.57	64.80	1.70
	41.0	31.20	0.93	37.90	1.12	44.60	1.31	48.00	1.40	54.70	1.52	58.10	1.59	64.80	1.71
	46.0	31.20	0.95	37.90	1.14	44.60	1.33	48.00	1.42	54.70	1.55	58.10	1.61	64.80	1.74
	50.0	31.20	0.98	37.90	1.16	44.60	1.34	48.00	1.43	54.70	1.56	58.10	1.63	64.80	1.76
	54.0	31.20	0.99	37.90	1.18	44.60	1.36	48.00	1.45	54.70	1.59	58.10	1.65	64.80	1.78
	57.0	31.20	1.00	37.90	1.19	44.60	1.38	48.00	1.48	54.70	1.61	58.10	1.68	64.80	1.81
	61.0	31.20	1.01	37.90	1.21	44.60	1.40	48.00	1.50	54.70	1.64	58.10	1.71	64.80	1.84
	64.0	31.20	1.03	37.90	1.23	44.60	1.43	48.00	1.53	54.70	1.67	58.10	1.74	64.80	1.88
	68.0	31.20	1.06	37.90	1.26	44.60	1.46	48.00	1.57	54.70	1.72	58.10	1.80	64.80	1.95
	72.0	31.20	1.08	37.90	1.29	44.60	1.50	48.00	1.61	54.70	1.78	58.10	1.86	64.80	2.03
	75.0	31.20	1.09	37.90	1.32	44.60	1.54	48.00	1.66	54.70	1.84	58.10	1.93	64.80	2.12
	79.0	31.20	1.10	37.90	1.36	44.60	1.61	48.00	1.74	54.70	1.94	58.10	2.04	64.80	2.23
	82.0	31.20	1.12	37.90	1.39	44.60	1.67	48.00	1.81	54.70	2.04	58.10	2.15	64.80	2.37
	86.0	31.20	1.15	37.90	1.45	44.60	1.75	48.00	1.89	54.70	2.14	58.10	2.27	64.80	2.52
	90.0	31.20	1.21	37.90	1.52	44.60	1.83	48.00	1.99	54.70	2.26	58.10	2.40	64.80	2.68
	93.0	31.20	1.26	37.90	1.59	44.60	1.93	48.00	2.09	54.70	2.40	58.10	2.56	64.80	2.87
	95.0	31.20	1.30	37.90	1.64	44.60	1.98	48.00	2.15	54.70	2.48	58.10	2.64	64.80	2.97
99.0	31.20	1.39	37.90	1.78	44.60	2.17	48.00	2.37	54.70	2.72	58.10	2.89	64.80	3.24	
102.0	31.20	1.53	37.90	1.96	44.60	2.39	48.00	2.60	54.70	2.98	58.10	3.16	64.80	3.54	
106.0	31.20	1.70	37.90	2.17	44.60	2.65	48.00	2.89	54.70	3.29	58.10	3.49	64.80	3.88	
111.0	31.20	2.01	37.90	2.57	44.60	3.13	48.00	3.41	54.70	3.85	58.10	4.07	64.80	4.51	
115.0	31.20	2.25	37.90	2.85	44.60	3.46	48.00	3.76	54.70	4.24	58.10	4.48	64.80	4.96	
118.0	31.20	2.61	37.90	3.22	44.60	3.84	48.00	4.15	54.70	4.65	58.10	4.90	64.80	5.40	
120.0	31.20	2.69	37.90	3.51	44.60	4.14	48.00	4.44	52.90	4.78	55.70	4.94	61.80	5.25	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	166.70	10.21	161.50	9.46	140.40	6.72	135.10	6.41	129.90	6.10
	57.0	53.0	166.70	11.07	161.50	10.28	140.40	7.36	135.10	6.98	129.90	6.62
	54.0	50.0	166.70	12.00	161.50	11.14	140.40	8.05	135.10	7.62	129.90	7.19
	51.0	47.0	166.70	12.98	161.50	12.10	140.40	8.81	135.10	8.30	129.90	7.80
	47.0	43.0	166.70	13.96	161.50	13.06	140.40	9.64	135.10	9.04	129.90	8.46
	44.0	40.0	166.70	14.96	161.50	14.05	140.40	10.54	135.10	9.85	129.90	9.19
	39.0	36.0	166.70	16.04	161.50	15.07	140.40	11.46	135.10	10.70	129.90	9.98
	35.0	32.0	166.70	17.13	161.50	16.14	140.40	12.38	135.10	11.57	129.90	10.79
	30.0	28.0	166.70	18.22	161.50	17.23	140.40	13.41	135.10	12.51	129.90	11.65
	26.0	24.0	166.70	19.31	161.50	18.32	140.40	14.44	135.10	13.50	129.90	12.58
	23.0	21.0	166.70	20.41	161.50	19.41	140.40	15.46	135.10	14.48	129.90	13.52
	19.0	18.0	166.10	21.42	161.50	20.51	140.40	16.50	135.10	15.47	129.90	14.47
	17.0	15.0	164.20	21.48	161.50	21.10	140.40	17.06	135.10	16.00	129.90	14.97
	13.0	12.0	159.90	21.43	159.90	21.85	140.40	18.18	135.10	17.09	129.90	16.02
	10.0	9.0	155.60	21.38	155.60	21.80	140.40	19.28	135.10	18.17	129.90	17.06
	6.0	5.0	149.10	21.31	149.10	21.73	140.40	20.94	135.10	19.80	129.90	18.67
	2.0	1.0	144.80	21.26	144.80	21.68	140.40	22.09	135.10	20.88	129.90	19.73
	-1.8	-2.2	140.40	21.21	140.40	21.63	140.40	23.32	135.10	22.09	129.90	20.87
	-3.6	-4.0	138.30	21.19	138.30	21.61	138.20	23.29	134.80	22.60	129.90	21.47
	-7.1	-7.6	134.00	21.14	134.00	21.56	133.90	23.24	130.50	22.55	127.10	21.86
-12.6	-13.0	127.50	21.07	127.50	21.49	127.40	23.17	124.00	22.48	120.60	21.79	
120	60.0	56.0	153.90	8.52	149.00	7.97	129.60	5.95	124.70	5.71	119.90	5.48
	57.0	53.0	153.90	9.25	149.00	8.65	129.60	6.46	124.70	6.17	119.90	5.90
	54.0	50.0	153.90	10.02	149.00	9.39	129.60	7.02	124.70	6.69	119.90	6.37
	51.0	47.0	153.90	10.87	149.00	10.17	129.60	7.65	124.70	7.26	119.90	6.88
	47.0	43.0	153.90	11.76	149.00	11.02	129.60	8.33	124.70	7.88	119.90	7.43
	44.0	40.0	153.90	12.65	149.00	11.88	129.60	9.06	124.70	8.54	119.90	8.04
	39.0	36.0	153.90	13.58	149.00	12.76	129.60	9.82	124.70	9.24	119.90	8.68
	35.0	32.0	153.90	14.57	149.00	13.70	129.60	10.58	124.70	9.96	119.90	9.35
	30.0	28.0	153.90	15.60	149.00	14.68	129.60	11.37	124.70	10.70	119.90	10.04
	26.0	24.0	153.90	16.66	149.00	15.70	129.60	12.24	124.70	11.51	119.90	10.80
	23.0	21.0	153.90	17.74	149.00	16.76	129.60	13.14	124.70	12.37	119.90	11.61
	19.0	18.0	153.90	18.81	149.00	17.83	129.60	14.05	124.70	13.25	119.90	12.46
	17.0	15.0	153.90	19.35	149.00	18.37	129.60	14.54	124.70	13.71	119.90	12.90
	13.0	12.0	153.90	20.48	149.00	19.44	129.60	15.56	124.70	14.69	119.90	13.83
	10.0	9.0	152.80	21.36	149.00	20.58	129.60	16.62	124.70	15.70	119.90	14.80
	6.0	5.0	146.30	21.29	145.60	21.37	129.60	18.20	124.70	17.25	119.90	16.31
	2.0	1.0	142.00	21.24	141.30	21.33	129.60	19.26	124.70	18.29	119.90	17.33
	-1.8	-2.2	137.70	21.19	136.90	21.28	129.60	20.39	124.70	19.37	119.90	18.36
	-3.6	-4.0	135.50	21.17	134.80	21.25	129.60	20.98	124.70	19.95	119.90	18.93
	-7.1	-7.6	131.20	21.12	130.50	21.21	127.40	21.54	123.80	20.84	119.90	20.06
-12.6	-13.0	124.70	21.05	124.00	21.13	121.00	21.47	117.30	20.77	113.70	20.08	
110	60.0	56.0	141.10	6.98	136.60	6.61	118.80	5.23	114.30	5.05	109.90	4.87
	57.0	53.0	141.10	7.58	136.60	7.16	118.80	5.62	114.30	5.41	109.90	5.20
	54.0	50.0	141.10	8.24	136.60	7.77	118.80	6.06	114.30	5.82	109.90	5.58
	51.0	47.0	141.10	8.95	136.60	8.44	118.80	6.56	114.30	6.28	109.90	6.00
	47.0	43.0	141.10	9.73	136.60	9.16	118.80	7.12	114.30	6.79	109.90	6.46
	44.0	40.0	141.10	10.55	136.60	9.93	118.80	7.72	114.30	7.33	109.90	6.95
	39.0	36.0	141.10	11.38	136.60	10.71	118.80	8.33	114.30	7.90	109.90	7.47
	35.0	32.0	141.10	12.24	136.60	11.50	118.80	8.94	114.30	8.47	109.90	8.01
	30.0	28.0	141.10	13.17	136.60	12.36	118.80	9.56	114.30	9.05	109.90	8.55
	26.0	24.0	141.10	14.13	136.60	13.28	118.80	10.21	114.30	9.67	109.90	9.14
	23.0	21.0	141.10	15.13	136.60	14.22	118.80	10.95	114.30	10.37	109.90	9.80
	19.0	18.0	141.10	16.19	136.60	15.23	118.80	11.76	114.30	11.15	109.90	10.54
	17.0	15.0	141.10	16.72	136.60	15.75	118.80	12.18	114.30	11.55	109.90	10.92
	13.0	12.0	141.10	17.79	136.60	16.81	118.80	13.08	114.30	12.41	109.90	11.74
	10.0	9.0	141.10	18.85	136.60	17.86	118.80	14.03	114.30	13.32	109.90	12.62
	6.0	5.0	141.10	20.55	136.60	19.48	118.80	15.54	114.30	14.78	109.90	14.02
	2.0	1.0	139.30	21.22	136.50	20.62	118.80	16.55	114.30	15.76	109.90	14.98
	-1.8	-2.2	135.00	21.17	133.50	20.92	118.80	17.58	114.30	16.77	109.90	15.96
	-3.6	-4.0	132.80	21.15	131.30	20.90	118.80	18.12	114.30	17.29	109.90	16.47
	-7.1	-7.6	128.50	21.10	127.00	20.85	118.80	19.25	114.30	18.39	109.90	17.54
-12.6	-13.0	122.00	21.03	120.50	20.78	114.50	19.76	110.60	19.06	106.80	18.37	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	128.30	5.54	124.20	5.33	108.00	4.56	104.00	4.43	99.90	4.29
	57.0	53.0	128.30	6.03	124.20	5.78	108.00	4.83	104.00	4.68	99.90	4.54
	54.0	50.0	128.30	6.59	124.20	6.28	108.00	5.16	104.00	4.99	99.90	4.83
	51.0	47.0	128.30	7.20	124.20	6.85	108.00	5.55	104.00	5.35	99.90	5.16
	47.0	43.0	128.30	7.87	124.20	7.47	108.00	6.00	104.00	5.76	99.90	5.53
	44.0	40.0	128.30	8.59	124.20	8.13	108.00	6.48	104.00	6.21	99.90	5.93
	39.0	36.0	128.30	9.35	124.20	8.83	108.00	6.96	104.00	6.65	99.90	6.34
	35.0	32.0	128.30	10.13	124.20	9.54	108.00	7.44	104.00	7.10	99.90	6.75
	30.0	28.0	128.30	10.93	124.20	10.25	108.00	7.92	104.00	7.55	99.90	7.17
	26.0	24.0	128.30	11.81	124.20	11.06	108.00	8.40	104.00	8.01	99.90	7.61
	23.0	21.0	128.30	12.73	124.20	11.92	108.00	8.94	104.00	8.52	99.90	8.11
	19.0	18.0	128.30	13.65	124.20	12.79	108.00	9.60	104.00	9.15	99.90	8.71
	17.0	15.0	128.30	14.14	124.20	13.25	108.00	9.96	104.00	9.50	99.90	9.03
	13.0	12.0	128.30	15.18	124.20	14.24	108.00	10.74	104.00	10.24	99.90	9.75
	10.0	9.0	128.30	16.24	124.20	15.27	108.00	11.58	104.00	11.05	99.90	10.52
	6.0	5.0	128.30	17.82	124.20	16.82	108.00	12.96	104.00	12.38	99.90	11.79
	2.0	1.0	128.30	18.89	124.20	17.86	108.00	13.92	104.00	13.31	99.90	12.69
	-1.8	-2.2	128.30	20.03	124.20	18.96	108.00	14.88	104.00	14.25	99.90	13.61
	-3.6	-4.0	128.30	20.62	124.20	19.54	108.00	15.36	104.00	14.72	99.90	14.07
	-7.1	-7.6	125.70	21.08	123.50	20.49	108.00	16.44	104.00	15.76	99.90	15.09
-12.6	-13.0	119.30	21.01	117.00	20.42	108.00	18.06	104.00	17.36	99.90	16.65	
90	60.0	56.0	115.40	4.82	111.80	4.66	97.20	4.04	93.60	3.93	89.90	3.83
	57.0	53.0	115.40	5.17	111.80	4.99	97.20	4.27	93.60	4.16	89.90	4.04
	54.0	50.0	115.40	5.58	111.80	5.36	97.20	4.54	93.60	4.41	89.90	4.28
	51.0	47.0	115.40	6.02	111.80	5.78	97.20	4.86	93.60	4.71	89.90	4.55
	47.0	43.0	115.40	6.50	111.80	6.24	97.20	5.23	93.60	5.04	89.90	4.86
	44.0	40.0	115.40	7.02	111.80	6.72	97.20	5.61	93.60	5.40	89.90	5.19
	39.0	36.0	115.40	7.59	111.80	7.25	97.20	5.99	93.60	5.76	89.90	5.53
	35.0	32.0	115.40	8.19	111.80	7.81	97.20	6.38	93.60	6.12	89.90	5.86
	30.0	28.0	115.40	8.82	111.80	8.39	97.20	6.79	93.60	6.50	89.90	6.22
	26.0	24.0	115.40	9.53	111.80	9.03	97.20	7.21	93.60	6.90	89.90	6.60
	23.0	21.0	115.40	10.28	111.80	9.73	97.20	7.67	93.60	7.35	89.90	7.03
	19.0	18.0	115.40	11.07	111.80	10.48	97.20	8.24	93.60	7.89	89.90	7.53
	17.0	15.0	115.40	11.48	111.80	10.87	97.20	8.55	93.60	8.18	89.90	7.81
	13.0	12.0	115.40	12.34	111.80	11.70	97.20	9.22	93.60	8.82	89.90	8.41
	10.0	9.0	115.40	13.26	111.80	12.58	97.20	9.95	93.60	9.52	89.90	9.08
	6.0	5.0	115.40	14.71	111.80	13.98	97.20	11.17	93.60	10.68	89.90	10.19
	2.0	1.0	115.40	15.71	111.80	14.95	97.20	12.03	93.60	11.51	89.90	10.99
	-1.8	-2.2	115.40	16.72	111.80	15.95	97.20	12.92	93.60	12.37	89.90	11.82
	-3.6	-4.0	115.40	17.25	111.80	16.46	97.20	13.37	93.60	12.81	89.90	12.25
	-7.1	-7.6	115.40	18.34	111.80	17.53	97.20	14.36	93.60	13.77	89.90	13.17
-12.6	-13.0	110.00	18.55	107.50	18.02	97.20	15.91	93.60	15.28	89.90	14.65	
80	60.0	56.0	102.60	4.13	99.40	4.00	86.40	3.52	83.20	3.44	79.90	3.37
	57.0	53.0	102.60	4.36	99.40	4.23	86.40	3.71	83.20	3.63	79.90	3.55
	54.0	50.0	102.60	4.63	99.40	4.49	86.40	3.92	83.20	3.83	79.90	3.74
	51.0	47.0	102.60	4.93	99.40	4.78	86.40	4.17	83.20	4.06	79.90	3.95
	47.0	43.0	102.60	5.24	99.40	5.09	86.40	4.45	83.20	4.32	79.90	4.19
	44.0	40.0	102.60	5.57	99.40	5.41	86.40	4.74	83.20	4.59	79.90	4.45
	39.0	36.0	102.60	5.95	99.40	5.77	86.40	5.03	83.20	4.87	79.90	4.71
	35.0	32.0	102.60	6.38	99.40	6.17	86.40	5.32	83.20	5.14	79.90	4.97
	30.0	28.0	102.60	6.86	99.40	6.62	86.40	5.65	83.20	5.46	79.90	5.26
	26.0	24.0	102.60	7.40	99.40	7.11	86.40	6.01	83.20	5.80	79.90	5.58
	23.0	21.0	102.60	7.99	99.40	7.67	86.40	6.41	83.20	6.18	79.90	5.94
	19.0	18.0	102.60	8.63	99.40	8.28	86.40	6.88	83.20	6.62	79.90	6.36
	17.0	15.0	102.60	8.97	99.40	8.60	86.40	7.14	83.20	6.86	79.90	6.59
	13.0	12.0	102.60	9.68	99.40	9.28	86.40	7.70	83.20	7.39	79.90	7.08
	10.0	9.0	102.60	10.44	99.40	10.01	86.40	8.33	83.20	7.98	79.90	7.64
	6.0	5.0	102.60	11.71	99.40	11.24	86.40	9.37	83.20	8.98	79.90	8.58
	2.0	1.0	102.60	12.60	99.40	12.10	86.40	10.14	83.20	9.71	79.90	9.28
	-1.8	-2.2	102.60	13.56	99.40	13.04	86.40	10.96	83.20	10.49	79.90	10.03
	-3.6	-4.0	102.60	14.05	99.40	13.51	86.40	11.39	83.20	10.91	79.90	10.43
	-7.1	-7.6	102.60	15.03	99.40	14.48	86.40	12.28	83.20	11.77	79.90	11.26
-12.6	-13.0	100.80	16.09	97.90	15.62	86.40	13.75	83.20	13.19	79.90	12.64	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM096*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	89.80	3.51	86.90	3.41	75.60	3.02	72.80	2.97	69.90	2.91
	57.0	53.0	89.80	3.68	86.90	3.58	75.60	3.19	72.80	3.13	69.90	3.06
	54.0	50.0	89.80	3.86	86.90	3.76	75.60	3.36	72.80	3.29	69.90	3.21
	51.0	47.0	89.80	4.08	86.90	3.97	75.60	3.55	72.80	3.47	69.90	3.38
	47.0	43.0	89.80	4.29	86.90	4.19	75.60	3.77	72.80	3.67	69.90	3.57
	44.0	40.0	89.80	4.52	86.90	4.41	75.60	3.98	72.80	3.88	69.90	3.77
	39.0	36.0	89.80	4.79	86.90	4.67	75.60	4.20	72.80	4.09	69.90	3.98
	35.0	32.0	89.80	5.09	86.90	4.96	75.60	4.43	72.80	4.31	69.90	4.19
	30.0	28.0	89.80	5.45	86.90	5.30	75.60	4.71	72.80	4.57	69.90	4.44
	26.0	24.0	89.80	5.85	86.90	5.69	75.60	5.01	72.80	4.85	69.90	4.70
	23.0	21.0	89.80	6.31	86.90	6.11	75.60	5.33	72.80	5.16	69.90	4.99
	19.0	18.0	89.80	6.81	86.90	6.59	75.60	5.70	72.80	5.51	69.90	5.33
	17.0	15.0	89.80	7.09	86.90	6.85	75.60	5.91	72.80	5.71	69.90	5.51
	13.0	12.0	89.80	7.65	86.90	7.39	75.60	6.37	72.80	6.14	69.90	5.91
	10.0	9.0	89.80	8.27	86.90	7.99	75.60	6.87	72.80	6.61	69.90	6.35
	6.0	5.0	89.80	9.31	86.90	8.99	75.60	7.73	72.80	7.42	69.90	7.11
	2.0	1.0	89.80	10.06	86.90	9.72	75.60	8.37	72.80	8.04	69.90	7.70
	-1.8	-2.2	89.80	10.90	86.90	10.54	75.60	9.08	72.80	8.71	69.90	8.34
	-3.6	-4.0	89.80	11.34	86.90	10.96	75.60	9.47	72.80	9.08	69.90	8.69
	-7.1	-7.6	89.80	12.21	86.90	11.82	75.60	10.24	72.80	9.82	69.90	9.41
-12.6	-13.0	89.80	13.57	86.90	13.17	75.60	11.57	72.80	11.10	69.90	10.63	
60	60.0	56.0	77.00	2.94	74.50	2.86	64.80	2.55	62.40	2.51	59.90	2.46
	57.0	53.0	77.00	3.08	74.50	3.01	64.80	2.70	62.40	2.64	59.90	2.59
	54.0	50.0	77.00	3.24	74.50	3.16	64.80	2.84	62.40	2.78	59.90	2.72
	51.0	47.0	77.00	3.40	74.50	3.32	64.80	3.00	62.40	2.93	59.90	2.86
	47.0	43.0	77.00	3.57	74.50	3.49	64.80	3.17	62.40	3.09	59.90	3.01
	44.0	40.0	77.00	3.77	74.50	3.68	64.80	3.33	62.40	3.25	59.90	3.17
	39.0	36.0	77.00	3.99	74.50	3.90	64.80	3.52	62.40	3.43	59.90	3.35
	35.0	32.0	77.00	4.24	74.50	4.13	64.80	3.72	62.40	3.63	59.90	3.53
	30.0	28.0	77.00	4.50	74.50	4.39	64.80	3.95	62.40	3.84	59.90	3.74
	26.0	24.0	77.00	4.81	74.50	4.69	64.80	4.19	62.40	4.07	59.90	3.95
	23.0	21.0	77.00	5.15	74.50	5.01	64.80	4.44	62.40	4.31	59.90	4.18
	19.0	18.0	77.00	5.52	74.50	5.36	64.80	4.72	62.40	4.58	59.90	4.44
	17.0	15.0	77.00	5.71	74.50	5.54	64.80	4.87	62.40	4.72	59.90	4.57
	13.0	12.0	77.00	6.12	74.50	5.94	64.80	5.22	62.40	5.05	59.90	4.88
	10.0	9.0	77.00	6.59	74.50	6.39	64.80	5.59	62.40	5.40	59.90	5.22
	6.0	5.0	77.00	7.40	74.50	7.16	64.80	6.23	62.40	6.01	59.90	5.79
	2.0	1.0	77.00	8.00	74.50	7.75	64.80	6.73	62.40	6.49	59.90	6.25
	-1.8	-2.2	77.00	8.69	74.50	8.41	64.80	7.29	62.40	7.02	59.90	6.75
	-3.6	-4.0	77.00	9.05	74.50	8.76	64.80	7.61	62.40	7.32	59.90	7.04
	-7.1	-7.6	77.00	9.79	74.50	9.48	64.80	8.25	62.40	7.94	59.90	7.62
-12.6	-13.0	77.00	10.98	74.50	10.65	64.80	9.35	62.40	8.99	59.90	8.63	
50	60.0	56.0	64.10	2.37	62.10	2.32	54.00	2.09	52.00	2.05	50.00	2.01
	57.0	53.0	64.10	2.49	62.10	2.44	54.00	2.21	52.00	2.16	50.00	2.12
	54.0	50.0	64.10	2.61	62.10	2.56	54.00	2.33	52.00	2.27	50.00	2.22
	51.0	47.0	64.10	2.73	62.10	2.68	54.00	2.45	52.00	2.39	50.00	2.33
	47.0	43.0	64.10	2.85	62.10	2.80	54.00	2.57	52.00	2.51	50.00	2.45
	44.0	40.0	64.10	3.02	62.10	2.96	54.00	2.69	52.00	2.63	50.00	2.57
	39.0	36.0	64.10	3.20	62.10	3.13	54.00	2.84	52.00	2.77	50.00	2.71
	35.0	32.0	64.10	3.38	62.10	3.31	54.00	3.02	52.00	2.94	50.00	2.87
	30.0	28.0	64.10	3.56	62.10	3.49	54.00	3.20	52.00	3.12	50.00	3.04
	26.0	24.0	64.10	3.76	62.10	3.69	54.00	3.38	52.00	3.29	50.00	3.20
	23.0	21.0	64.10	3.99	62.10	3.91	54.00	3.56	52.00	3.46	50.00	3.37
	19.0	18.0	64.10	4.22	62.10	4.13	54.00	3.74	52.00	3.64	50.00	3.55
	17.0	15.0	64.10	4.34	62.10	4.24	54.00	3.83	52.00	3.73	50.00	3.64
	13.0	12.0	64.10	4.60	62.10	4.50	54.00	4.07	52.00	3.96	50.00	3.86
	10.0	9.0	64.10	4.92	62.10	4.80	54.00	4.31	52.00	4.20	50.00	4.09
	6.0	5.0	64.10	5.49	62.10	5.34	54.00	4.73	52.00	4.60	50.00	4.47
	2.0	1.0	64.10	5.95	62.10	5.78	54.00	5.09	52.00	4.94	50.00	4.80
	-1.8	-2.2	64.10	6.47	62.10	6.28	54.00	5.51	52.00	5.34	50.00	5.17
	-3.6	-4.0	64.10	6.76	62.10	6.56	54.00	5.75	52.00	5.56	50.00	5.38
	-7.1	-7.6	64.10	7.37	62.10	7.15	54.00	6.26	52.00	6.05	50.00	5.84
-12.6	-13.0	64.10	8.39	62.10	8.14	54.00	7.13	52.00	6.88	50.00	6.63	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
130	23.0	121.60	3.12	147.80	4.06	174.00	5.00	187.20	5.48	213.40	6.16	226.60	6.50	252.80	7.18		
	27.0	121.60	3.14	147.80	4.08	174.00	5.04	187.20	5.50	213.40	6.18	226.60	6.52	252.80	7.22		
	32.0	121.60	3.18	147.80	4.14	174.00	5.10	187.20	5.56	213.40	6.24	226.60	6.60	252.80	7.28		
	37.0	121.60	3.26	147.80	4.22	174.00	5.16	187.20	5.64	213.40	6.32	226.60	6.66	252.80	7.36		
	41.0	121.60	3.30	147.80	4.26	174.00	5.20	187.20	5.68	213.40	6.36	226.60	6.72	252.80	7.44		
	46.0	121.60	3.38	147.80	4.34	174.00	5.28	187.20	5.76	213.40	6.50	226.60	6.86	252.80	7.62		
	50.0	121.60	3.48	147.80	4.42	174.00	5.36	187.20	5.84	213.40	6.62	226.60	7.02	252.80	7.80		
	54.0	121.60	3.60	147.80	4.54	174.00	5.50	187.20	5.98	213.40	6.78	226.60	7.20	252.80	8.02		
	57.0	121.60	3.72	147.80	4.66	174.00	5.64	187.20	6.12	213.40	6.98	226.60	7.40	252.80	8.28		
	61.0	121.60	3.82	147.80	4.82	174.00	5.82	187.20	6.32	213.40	7.20	226.60	7.66	252.80	8.58		
	64.0	121.60	3.98	147.80	5.00	174.00	6.02	187.20	6.52	213.40	7.46	226.60	7.94	252.80	8.94		
	68.0	121.60	4.14	147.80	5.18	174.00	6.26	187.20	6.80	213.40	7.80	226.60	8.34	252.80	9.42		
	72.0	121.60	4.32	147.80	5.40	174.00	6.54	187.20	7.14	213.40	8.22	226.60	8.82	250.80	9.98		
	75.0	121.60	4.48	147.80	5.64	174.00	6.90	187.20	7.56	213.40	8.76	226.60	9.40	249.40	10.64		
	79.0	121.60	4.72	147.80	5.96	174.00	7.32	187.20	8.06	213.40	9.36	226.60	10.08	248.00	11.40		
	82.0	121.60	4.96	147.80	6.30	174.00	7.80	187.20	8.62	213.40	10.08	226.60	10.88	246.40	12.24		
	86.0	121.60	5.24	147.80	6.74	174.00	8.38	187.20	9.30	213.40	10.88	226.60	11.74	245.00	13.16		
	90.0	121.60	5.66	147.80	7.20	174.00	9.08	187.20	10.04	213.40	11.70	226.60	12.66	243.60	14.20		
	93.0	121.60	6.00	147.80	7.88	174.00	9.80	187.20	10.78	213.40	12.66	226.60	13.74	242.20	15.20		
	95.0	121.60	6.34	147.80	8.22	174.00	10.16	187.20	11.16	213.40	13.18	226.60	14.30	241.40	15.40		
	99.0	121.60	7.02	147.80	8.92	174.00	10.94	187.20	12.12	213.40	14.28	226.60	15.34	229.40	14.80		
	102.0	121.60	7.68	147.80	9.62	174.00	11.90	187.20	13.14	209.00	14.88	210.80	14.60	213.00	13.88		
	106.0	121.60	8.30	147.80	10.50	174.00	12.94	187.20	14.24	193.20	14.02	194.20	13.64	196.80	12.94		
	111.0	121.60	9.54	147.80	12.02	164.20	13.40	166.00	13.28	168.20	12.54	169.60	12.20	172.20	11.54		
115.0	121.60	10.56	143.00	12.58	147.00	12.34	149.00	12.24	151.60	11.56	153.00	11.24	156.00	10.60			
118.0	121.60	11.76	125.80	11.52	129.80	11.30	132.00	11.20	135.00	10.58	136.60	10.28	139.60	9.66			
120.0	119.17	11.88	121.00	11.66	122.40	11.02	123.40	10.70	126.40	10.08	128.00	9.78	131.60	9.20			
120	23.0	112.40	2.90	136.60	3.74	160.80	4.58	172.80	5.00	197.00	5.62	209.00	5.94	233.20	6.58		
	27.0	112.40	2.92	136.60	3.76	160.80	4.60	172.80	5.02	197.00	5.66	209.00	5.98	233.20	6.60		
	32.0	112.40	2.96	136.60	3.82	160.80	4.66	172.80	5.08	197.00	5.72	209.00	6.02	233.20	6.66		
	37.0	112.40	3.04	136.60	3.88	160.80	4.72	172.80	5.14	197.00	5.78	209.00	6.10	233.20	6.72		
	41.0	112.40	3.08	136.60	3.92	160.80	4.76	172.80	5.18	197.00	5.82	209.00	6.14	233.20	6.80		
	46.0	112.40	3.14	136.60	4.00	160.80	4.84	172.80	5.26	197.00	5.92	209.00	6.26	233.20	6.94		
	50.0	112.40	3.24	136.60	4.08	160.80	4.92	172.80	5.34	197.00	6.04	209.00	6.38	233.20	7.10		
	54.0	112.40	3.32	136.60	4.18	160.80	5.02	172.80	5.44	197.00	6.18	209.00	6.54	233.20	7.28		
	57.0	112.40	3.42	136.60	4.28	160.80	5.14	172.80	5.58	197.00	6.34	209.00	6.72	233.20	7.48		
	61.0	112.40	3.50	136.60	4.40	160.80	5.30	172.80	5.74	197.00	6.52	209.00	6.92	233.20	7.74		
	64.0	112.40	3.64	136.60	4.54	160.80	5.46	172.80	5.92	197.00	6.74	209.00	7.16	233.20	8.04		
	68.0	112.40	3.76	136.60	4.70	160.80	5.66	172.80	6.16	197.00	7.04	209.00	7.48	233.20	8.44		
	72.0	112.40	3.90	136.60	4.90	160.80	5.92	172.80	6.44	197.00	7.38	209.00	7.88	233.20	8.96		
	75.0	112.40	4.06	136.60	5.10	160.80	6.22	172.80	6.80	197.00	7.84	209.00	8.38	233.20	9.58		
	79.0	112.40	4.28	136.60	5.40	160.80	6.60	172.80	7.24	197.00	8.38	209.00	9.00	233.20	10.34		
	82.0	112.40	4.52	136.60	5.72	160.80	7.04	172.80	7.76	197.00	9.02	209.00	9.70	233.20	11.16		
	86.0	112.40	4.78	136.60	6.12	160.80	7.58	172.80	8.36	197.00	9.74	209.00	10.48	233.20	12.04		
	90.0	112.40	5.12	136.60	6.54	160.80	8.18	172.80	9.06	197.00	10.52	209.00	11.28	233.20	13.00		
	93.0	112.40	5.42	136.60	7.10	160.80	8.86	172.80	9.78	197.00	11.32	209.00	12.16	233.20	14.04		
	95.0	112.40	5.70	136.60	7.42	160.80	9.22	172.80	10.14	197.00	11.76	209.00	12.64	233.20	14.56		
	99.0	112.40	6.28	136.60	8.06	160.80	9.94	172.80	10.94	197.00	12.70	209.00	13.64	226.40	14.76		
	102.0	112.40	6.88	136.60	8.72	160.80	10.76	172.80	11.82	197.00	13.68	206.20	14.32	210.20	13.86		
	106.0	112.40	7.52	136.60	9.52	160.80	11.66	172.80	12.76	189.40	13.80	191.00	13.52	194.00	12.92		
	111.0	112.40	8.68	136.60	10.86	158.40	12.88	162.20	13.02	164.80	12.38	166.40	12.08	169.40	11.52		
115.0	112.40	9.60	135.40	11.74	142.00	11.92	145.20	11.98	148.20	11.40	149.80	11.12	153.20	10.58			
118.0	112.40	10.60	118.60	10.74	125.00	10.86	128.20	10.94	131.60	10.42	133.40	10.16	136.80	9.64			
120.0	110.15	10.70	116.20	11.00	118.40	10.62	119.60	10.44	123.00	9.90	124.80	9.66	128.80	9.18			

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
110	23.0	103.00	2.68	125.20	3.42	147.40	4.16	158.40	4.52	180.60	5.10	191.60	5.40	213.80	5.96		
	27.0	103.00	2.70	125.20	3.44	147.40	4.18	158.40	4.56	180.60	5.12	191.60	5.42	213.80	6.00		
	32.0	103.00	2.74	125.20	3.48	147.40	4.22	158.40	4.60	180.60	5.18	191.60	5.46	213.80	6.04		
	37.0	103.00	2.80	125.20	3.54	147.40	4.28	158.40	4.66	180.60	5.24	191.60	5.52	213.80	6.10		
	41.0	103.00	2.84	125.20	3.58	147.40	4.34	158.40	4.70	180.60	5.28	191.60	5.58	213.80	6.16		
	46.0	103.00	2.92	125.20	3.66	147.40	4.40	158.40	4.78	180.60	5.36	191.60	5.66	213.80	6.26		
	50.0	103.00	3.00	125.20	3.72	147.40	4.46	158.40	4.82	180.60	5.46	191.60	5.76	213.80	6.38		
	54.0	103.00	3.04	125.20	3.80	147.40	4.54	158.40	4.92	180.60	5.56	191.60	5.88	213.80	6.54		
	57.0	103.00	3.12	125.20	3.88	147.40	4.64	158.40	5.02	180.60	5.70	191.60	6.02	213.80	6.70		
	61.0	103.00	3.18	125.20	3.98	147.40	4.78	158.40	5.18	180.60	5.86	191.60	6.20	213.80	6.90		
	64.0	103.00	3.28	125.20	4.10	147.40	4.92	158.40	5.32	180.60	6.04	191.60	6.42	213.80	7.16		
	68.0	103.00	3.38	125.20	4.22	147.40	5.08	158.40	5.52	180.60	6.28	191.60	6.68	213.80	7.50		
	72.0	103.00	3.50	125.20	4.38	147.40	5.30	158.40	5.76	180.60	6.58	191.60	7.00	213.80	7.90		
	75.0	103.00	3.64	125.20	4.58	147.40	5.56	158.40	6.06	180.60	6.96	191.60	7.42	213.80	8.42		
	79.0	103.00	3.84	125.20	4.84	147.40	5.90	158.40	6.44	180.60	7.42	191.60	7.96	213.80	9.08		
	82.0	103.00	4.06	125.20	5.14	147.40	6.30	158.40	6.92	180.60	8.00	191.60	8.60	213.80	9.84		
	86.0	103.00	4.30	125.20	5.50	147.40	6.78	158.40	7.48	180.60	8.66	191.60	9.28	213.80	10.62		
	90.0	103.00	4.58	125.20	5.88	147.40	7.32	158.40	8.10	180.60	9.36	191.60	10.04	213.80	11.42		
	93.0	103.00	4.86	125.20	6.36	147.40	7.94	158.40	8.80	180.60	10.12	191.60	10.80	213.80	12.26		
	95.0	103.00	5.08	125.20	6.62	147.40	8.28	158.40	9.16	180.60	10.50	191.60	11.20	213.80	12.70		
	99.0	103.00	5.56	125.20	7.22	147.40	8.96	158.40	9.88	180.60	11.30	191.60	12.04	213.80	13.64		
	102.0	103.00	6.08	125.20	7.86	147.40	9.70	158.40	10.66	180.60	12.14	191.60	12.92	207.20	13.80		
	106.0	103.00	6.72	125.20	8.58	147.40	10.48	158.40	11.46	180.40	13.00	187.00	13.32	191.00	12.90		
	111.0	103.00	7.84	125.20	9.76	147.20	11.72	157.00	12.60	161.40	12.20	163.00	11.96	166.60	11.50		
115.0	103.00	8.62	124.80	10.56	137.00	11.46	141.40	11.72	144.80	11.24	146.60	11.00	150.40	10.56			
118.0	103.00	9.46	111.40	9.94	120.00	10.44	124.40	10.68	128.20	10.26	130.20	10.04	134.00	9.62			
120.0	101.97	9.66	106.94	9.84	114.20	10.24	115.80	10.18	119.60	9.74	121.60	9.54	125.80	9.16			
100	23.0	93.60	2.46	113.80	3.10	134.00	3.74	144.00	4.06	164.20	4.58	174.20	4.84	194.40	5.36		
	27.0	93.60	2.50	113.80	3.12	134.00	3.76	144.00	4.08	164.20	4.60	174.20	4.86	194.40	5.38		
	32.0	93.60	2.52	113.80	3.16	134.00	3.80	144.00	4.12	164.20	4.64	174.20	4.90	194.40	5.44		
	37.0	93.60	2.56	113.80	3.22	134.00	3.86	144.00	4.18	164.20	4.70	174.20	4.96	194.40	5.50		
	41.0	93.60	2.62	113.80	3.26	134.00	3.90	144.00	4.22	164.20	4.74	174.20	5.00	194.40	5.52		
	46.0	93.60	2.68	113.80	3.32	134.00	3.96	144.00	4.28	164.20	4.82	174.20	5.08	194.40	5.60		
	50.0	93.60	2.76	113.80	3.38	134.00	4.02	144.00	4.32	164.20	4.86	174.20	5.14	194.40	5.68		
	54.0	93.60	2.78	113.80	3.42	134.00	4.08	144.00	4.40	164.20	4.96	174.20	5.24	194.40	5.80		
	57.0	93.60	2.82	113.80	3.48	134.00	4.16	144.00	4.48	164.20	5.06	174.20	5.34	194.40	5.92		
	61.0	93.60	2.88	113.80	3.56	134.00	4.26	144.00	4.60	164.20	5.20	174.20	5.50	194.40	6.10		
	64.0	93.60	2.94	113.80	3.64	134.00	4.38	144.00	4.74	164.20	5.36	174.20	5.68	194.40	6.32		
	68.0	93.60	2.98	113.80	3.74	134.00	4.50	144.00	4.90	164.20	5.56	174.20	5.90	194.40	6.60		
	72.0	93.60	3.08	113.80	3.88	134.00	4.68	144.00	5.08	164.20	5.80	174.20	6.16	194.40	6.92		
	75.0	93.60	3.22	113.80	4.06	134.00	4.90	144.00	5.34	164.20	6.12	174.20	6.52	194.40	7.34		
	79.0	93.60	3.40	113.80	4.28	134.00	5.20	144.00	5.66	164.20	6.50	174.20	6.94	194.40	7.90		
	82.0	93.60	3.62	113.80	4.56	134.00	5.56	144.00	6.10	164.20	7.04	174.20	7.54	194.40	8.56		
	86.0	93.60	3.82	113.80	4.88	134.00	6.02	144.00	6.62	164.20	7.64	174.20	8.16	194.40	9.28		
	90.0	93.60	4.04	113.80	5.22	134.00	6.52	144.00	7.20	164.20	8.28	174.20	8.84	194.40	10.04		
	93.0	93.60	4.30	113.80	5.64	134.00	7.06	144.00	7.80	164.20	8.98	174.20	9.58	194.40	10.74		
	95.0	93.60	4.46	113.80	5.86	134.00	7.36	144.00	8.16	164.20	9.36	174.20	9.94	194.40	11.10		
	99.0	93.60	4.82	113.80	6.38	134.00	8.04	144.00	8.90	164.20	10.04	174.20	10.64	194.40	11.86		
	102.0	93.60	5.28	113.80	6.98	134.00	8.72	144.00	9.58	164.20	10.76	174.20	11.38	194.40	12.70		
	106.0	93.60	5.92	113.80	7.66	134.00	9.40	144.00	10.28	164.20	11.52	174.20	12.18	188.20	12.88		
	111.0	93.60	6.98	113.80	8.72	134.00	10.50	144.00	11.40	157.40	11.98	159.80	11.84	163.80	11.48		
115.0	93.60	7.66	113.80	9.42	131.40	10.96	137.60	11.46	141.40	11.06	143.40	10.88	147.60	10.54			
118.0	93.60	8.30	104.40	9.16	115.20	10.00	120.40	10.42	124.80	10.10	127.00	9.94	131.20	9.60			
120.0	92.66	8.48	100.22	9.06	110.20	9.84	112.00	9.92	116.20	9.58	118.40	9.42	123.00	9.14			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
90	23.0	84.20	2.24	102.40	2.80	120.60	3.34	129.60	3.62	147.80	4.08	156.80	4.30	175.00	4.76
	27.0	84.20	2.26	102.40	2.82	120.60	3.36	129.60	3.64	147.80	4.10	156.80	4.32	175.00	4.78
	32.0	84.20	2.30	102.40	2.84	120.60	3.40	129.60	3.68	147.80	4.14	156.80	4.38	175.00	4.82
	37.0	84.20	2.34	102.40	2.90	120.60	3.46	129.60	3.74	147.80	4.20	156.80	4.42	175.00	4.88
	41.0	84.20	2.38	102.40	2.94	120.60	3.48	129.60	3.76	147.80	4.22	156.80	4.46	175.00	4.92
	46.0	84.20	2.44	102.40	3.00	120.60	3.56	129.60	3.84	147.80	4.30	156.80	4.52	175.00	4.98
	50.0	84.20	2.50	102.40	3.06	120.60	3.60	129.60	3.88	147.80	4.34	156.80	4.58	175.00	5.04
	54.0	84.20	2.54	102.40	3.10	120.60	3.66	129.60	3.94	147.80	4.42	156.80	4.66	175.00	5.14
	57.0	84.20	2.58	102.40	3.16	120.60	3.72	129.60	4.00	147.80	4.50	156.80	4.74	175.00	5.24
	61.0	84.20	2.64	102.40	3.22	120.60	3.80	129.60	4.10	147.80	4.62	156.80	4.86	175.00	5.38
	64.0	84.20	2.68	102.40	3.30	120.60	3.90	129.60	4.22	147.80	4.74	156.80	5.02	175.00	5.56
	68.0	84.20	2.72	102.40	3.36	120.60	4.02	129.60	4.34	147.80	4.92	156.80	5.20	175.00	5.78
	72.0	84.20	2.80	102.40	3.48	120.60	4.18	129.60	4.52	147.80	5.12	156.80	5.44	175.00	6.08
	75.0	84.20	2.92	102.40	3.64	120.60	4.36	129.60	4.72	147.80	5.38	156.80	5.72	175.00	6.42
	79.0	84.20	3.06	102.40	3.82	120.60	4.60	129.60	5.00	147.80	5.72	156.80	6.08	175.00	6.82
	82.0	84.20	3.22	102.40	4.06	120.60	4.90	129.60	5.34	147.80	6.12	156.80	6.52	175.00	7.34
	86.0	84.20	3.40	102.40	4.32	120.60	5.26	129.60	5.76	147.80	6.60	156.80	7.02	175.00	7.92
	90.0	84.20	3.60	102.40	4.60	120.60	5.68	129.60	6.22	147.80	7.12	156.80	7.58	175.00	8.54
	93.0	84.20	3.82	102.40	4.96	120.60	6.12	129.60	6.74	147.80	7.70	156.80	8.20	175.00	9.20
	95.0	84.20	3.98	102.40	5.16	120.60	6.38	129.60	7.02	147.80	8.02	156.80	8.52	175.00	9.52
	99.0	84.20	4.34	102.40	5.62	120.60	6.96	129.60	7.66	147.80	8.66	156.80	9.16	175.00	10.18
102.0	84.20	4.76	102.40	6.14	120.60	7.56	129.60	8.28	147.80	9.30	156.80	9.84	175.00	10.90	
106.0	84.20	5.30	102.40	6.72	120.60	8.20	129.60	8.94	147.80	10.02	156.80	10.58	175.00	11.72	
111.0	84.20	6.20	102.40	7.72	120.60	9.28	129.60	10.06	147.40	11.18	153.80	11.48	161.00	11.46	
115.0	84.20	6.84	102.40	8.42	120.00	10.00	128.40	10.76	135.60	10.72	138.60	10.66	144.80	10.52	
118.0	84.20	7.54	96.00	8.50	107.80	9.48	113.60	9.98	119.60	9.82	122.40	9.74	128.40	9.60	
120.0	84.20	7.78	94.80	8.68	101.60	9.22	105.00	9.48	111.00	9.32	114.00	9.24	120.20	9.14	
80	23.0	74.80	2.02	91.00	2.48	107.20	2.96	115.20	3.20	131.40	3.58	139.40	3.78	155.60	4.16
	27.0	74.80	2.04	91.00	2.50	107.20	2.98	115.20	3.22	131.40	3.60	139.40	3.80	155.60	4.18
	32.0	74.80	2.06	91.00	2.54	107.20	3.02	115.20	3.26	131.40	3.64	139.40	3.84	155.60	4.22
	37.0	74.80	2.10	91.00	2.58	107.20	3.06	115.20	3.28	131.40	3.68	139.40	3.88	155.60	4.26
	41.0	74.80	2.12	91.00	2.60	107.20	3.08	115.20	3.32	131.40	3.72	139.40	3.92	155.60	4.30
	46.0	74.80	2.18	91.00	2.66	107.20	3.14	115.20	3.38	131.40	3.78	139.40	3.98	155.60	4.36
	50.0	74.80	2.26	91.00	2.72	107.20	3.18	115.20	3.42	131.40	3.82	139.40	4.02	155.60	4.42
	54.0	74.80	2.30	91.00	2.76	107.20	3.24	115.20	3.46	131.40	3.86	139.40	4.06	155.60	4.48
	57.0	74.80	2.34	91.00	2.82	107.20	3.28	115.20	3.52	131.40	3.94	139.40	4.14	155.60	4.56
	61.0	74.80	2.38	91.00	2.88	107.20	3.36	115.20	3.60	131.40	4.02	139.40	4.24	155.60	4.68
	64.0	74.80	2.44	91.00	2.94	107.20	3.44	115.20	3.70	131.40	4.14	139.40	4.36	155.60	4.82
	68.0	74.80	2.48	91.00	3.00	107.20	3.54	115.20	3.82	131.40	4.28	139.40	4.52	155.60	5.00
	72.0	74.80	2.54	91.00	3.10	107.20	3.66	115.20	3.96	131.40	4.46	139.40	4.72	155.60	5.24
	75.0	74.80	2.62	91.00	3.22	107.20	3.82	115.20	4.14	131.40	4.68	139.40	4.96	155.60	5.54
	79.0	74.80	2.72	91.00	3.36	107.20	4.02	115.20	4.36	131.40	4.96	139.40	5.26	155.60	5.88
	82.0	74.80	2.84	91.00	3.54	107.20	4.26	115.20	4.62	131.40	5.26	139.40	5.58	155.60	6.26
	86.0	74.80	3.00	91.00	3.76	107.20	4.54	115.20	4.94	131.40	5.62	139.40	5.98	155.60	6.70
	90.0	74.80	3.16	91.00	4.00	107.20	4.86	115.20	5.30	131.40	6.04	139.40	6.42	155.60	7.22
	93.0	74.80	3.36	91.00	4.28	107.20	5.22	115.20	5.70	131.40	6.50	139.40	6.92	155.60	7.76
	95.0	74.80	3.52	91.00	4.46	107.20	5.44	115.20	5.94	131.40	6.76	139.40	7.18	155.60	8.04
	99.0	74.80	3.84	91.00	4.88	107.20	5.92	115.20	6.46	131.40	7.32	139.40	7.76	155.60	8.64
102.0	74.80	4.24	91.00	5.34	107.20	6.44	115.20	7.02	131.40	7.90	139.40	8.36	155.60	9.26	
106.0	74.80	4.66	91.00	5.82	107.20	7.02	115.20	7.62	131.40	8.56	139.40	9.02	155.60	9.94	
111.0	74.80	5.42	91.00	6.72	107.20	8.06	115.20	8.72	131.40	9.70	139.40	10.18	155.60	11.16	
115.0	74.80	6.02	91.00	7.42	107.20	8.84	115.20	9.58	128.40	10.24	133.40	10.38	142.00	10.52	
118.0	74.80	6.76	87.60	7.86	100.40	8.98	106.80	9.52	114.20	9.54	118.00	9.56	125.60	9.58	
120.0	74.80	6.96	82.40	7.66	93.00	8.58	98.20	9.04	105.80	9.04	109.60	9.06	117.40	9.12	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
70	23.0	65.60	1.78	79.60	2.18	93.80	2.58	100.80	2.78	115.00	3.10	122.00	3.26	136.00	3.58		
	27.0	65.60	1.80	79.60	2.20	93.80	2.60	100.80	2.80	115.00	3.12	122.00	3.28	136.00	3.60		
	32.0	65.60	1.84	79.60	2.24	93.80	2.64	100.80	2.84	115.00	3.16	122.00	3.32	136.00	3.64		
	37.0	65.60	1.86	79.60	2.26	93.80	2.66	100.80	2.86	115.00	3.20	122.00	3.36	136.00	3.68		
	41.0	65.60	1.88	79.60	2.28	93.80	2.70	100.80	2.90	115.00	3.22	122.00	3.38	136.00	3.72		
	46.0	65.60	1.94	79.60	2.34	93.80	2.74	100.80	2.94	115.00	3.28	122.00	3.44	136.00	3.76		
	50.0	65.60	2.00	79.60	2.40	93.80	2.78	100.80	2.98	115.00	3.30	122.00	3.48	136.00	3.80		
	54.0	65.60	2.04	79.60	2.44	93.80	2.82	100.80	3.02	115.00	3.36	122.00	3.52	136.00	3.84		
	57.0	65.60	2.08	79.60	2.48	93.80	2.86	100.80	3.06	115.00	3.40	122.00	3.58	136.00	3.92		
	61.0	65.60	2.12	79.60	2.52	93.80	2.92	100.80	3.14	115.00	3.48	122.00	3.66	136.00	4.02		
	64.0	65.60	2.16	79.60	2.58	93.80	3.00	100.80	3.20	115.00	3.58	122.00	3.76	136.00	4.12		
	68.0	65.60	2.20	79.60	2.64	93.80	3.08	100.80	3.30	115.00	3.68	122.00	3.88	136.00	4.28		
	72.0	65.60	2.24	79.60	2.70	93.80	3.18	100.80	3.42	115.00	3.84	122.00	4.04	136.00	4.46		
	75.0	65.60	2.30	79.60	2.80	93.80	3.32	100.80	3.56	115.00	4.02	122.00	4.24	136.00	4.72		
	79.0	65.60	2.38	79.60	2.92	93.80	3.46	100.80	3.74	115.00	4.24	122.00	4.50	136.00	5.00		
	82.0	65.60	2.46	79.60	3.06	93.80	3.66	100.80	3.96	115.00	4.50	122.00	4.76	136.00	5.30		
	86.0	65.60	2.58	79.60	3.22	93.80	3.86	100.80	4.20	115.00	4.76	122.00	5.04	136.00	5.64		
	90.0	65.60	2.72	79.60	3.40	93.80	4.12	100.80	4.46	115.00	5.08	122.00	5.40	136.00	6.06		
	93.0	65.60	2.88	79.60	3.64	93.80	4.40	100.80	4.78	115.00	5.46	122.00	5.80	136.00	6.50		
	95.0	65.60	3.02	79.60	3.78	93.80	4.58	100.80	4.98	115.00	5.68	122.00	6.02	136.00	6.76		
	99.0	65.60	3.30	79.60	4.12	93.80	4.98	100.80	5.40	115.00	6.14	122.00	6.52	136.00	7.26		
102.0	65.60	3.66	79.60	4.54	93.80	5.44	100.80	5.88	115.00	6.66	122.00	7.04	136.00	7.82			
106.0	65.60	3.98	79.60	4.94	93.80	5.92	100.80	6.44	115.00	7.24	122.00	7.64	136.00	8.46			
111.0	65.60	4.64	79.60	5.74	93.80	6.88	100.80	7.44	115.00	8.26	122.00	8.68	136.00	9.50			
115.0	65.60	5.16	79.60	6.36	93.80	7.60	100.80	8.22	114.80	9.06	121.60	9.44	134.00	10.08			
118.0	65.60	5.88	78.20	7.00	90.80	8.12	97.00	8.68	105.80	8.92	110.00	9.04	118.80	9.28			
120.0	65.60	6.06	72.20	7.06	84.20	8.10	90.20	8.64	98.60	8.74	102.80	8.80	111.40	8.92			
60	23.0	56.20	1.52	68.20	1.88	80.40	2.22	86.40	2.38	98.40	2.64	104.60	2.78	116.60	3.02		
	27.0	56.20	1.54	68.20	1.90	80.40	2.24	86.40	2.40	98.40	2.66	104.60	2.80	116.60	3.04		
	32.0	56.20	1.58	68.20	1.92	80.40	2.26	86.40	2.44	98.40	2.70	104.60	2.82	116.60	3.08		
	37.0	56.20	1.62	68.20	1.96	80.40	2.30	86.40	2.48	98.40	2.72	104.60	2.86	116.60	3.10		
	41.0	56.20	1.64	68.20	1.98	80.40	2.32	86.40	2.50	98.40	2.76	104.60	2.88	116.60	3.14		
	46.0	56.20	1.68	68.20	2.02	80.40	2.36	86.40	2.54	98.40	2.80	104.60	2.92	116.60	3.18		
	50.0	56.20	1.74	68.20	2.06	80.40	2.40	86.40	2.56	98.40	2.82	104.60	2.96	116.60	3.22		
	54.0	56.20	1.76	68.20	2.10	80.40	2.44	86.40	2.60	98.40	2.86	104.60	3.00	116.60	3.26		
	57.0	56.20	1.78	68.20	2.12	80.40	2.46	86.40	2.64	98.40	2.90	104.60	3.04	116.60	3.32		
	61.0	56.20	1.82	68.20	2.16	80.40	2.52	86.40	2.68	98.40	2.96	104.60	3.10	116.60	3.38		
	64.0	56.20	1.86	68.20	2.22	80.40	2.56	86.40	2.74	98.40	3.04	104.60	3.18	116.60	3.48		
	68.0	56.20	1.88	68.20	2.26	80.40	2.64	86.40	2.82	98.40	3.14	104.60	3.28	116.60	3.60		
	72.0	56.20	1.92	68.20	2.32	80.40	2.72	86.40	2.92	98.40	3.24	104.60	3.40	116.60	3.74		
	75.0	56.20	1.96	68.20	2.38	80.40	2.82	86.40	3.02	98.40	3.38	104.60	3.56	116.60	3.92		
	79.0	56.20	2.02	68.20	2.48	80.40	2.94	86.40	3.16	98.40	3.56	104.60	3.76	116.60	4.16		
	82.0	56.20	2.06	68.20	2.56	80.40	3.08	86.40	3.34	98.40	3.76	104.60	3.98	116.60	4.42		
	86.0	56.20	2.16	68.20	2.70	80.40	3.24	86.40	3.50	98.40	3.98	104.60	4.20	116.60	4.68		
	90.0	56.20	2.26	68.20	2.84	80.40	3.42	86.40	3.72	98.40	4.22	104.60	4.48	116.60	5.00		
	93.0	56.20	2.38	68.20	3.00	80.40	3.64	86.40	3.94	98.40	4.52	104.60	4.80	116.60	5.36		
	95.0	56.20	2.48	68.20	3.12	80.40	3.76	86.40	4.10	98.40	4.68	104.60	4.98	116.60	5.58		
	99.0	56.20	2.68	68.20	3.40	80.40	4.10	86.40	4.46	98.40	5.08	104.60	5.40	116.60	6.04		
102.0	56.20	2.98	68.20	3.74	80.40	4.50	86.40	4.88	98.40	5.54	104.60	5.88	116.60	6.54			
106.0	56.20	3.26	68.20	4.10	80.40	4.94	86.40	5.38	98.40	6.08	104.60	6.42	116.60	7.12			
111.0	56.20	3.82	68.20	4.78	80.40	5.76	86.40	6.26	98.40	7.00	104.60	7.36	116.60	8.10			
115.0	56.20	4.26	68.20	5.32	80.40	6.36	86.40	6.90	98.40	7.66	104.60	8.06	116.60	8.82			
118.0	56.20	4.90	67.60	5.92	78.80	6.94	84.60	7.44	94.00	7.94	98.60	8.18	108.00	8.68			
120.0	56.20	5.06	64.00	6.38	75.20	7.44	81.00	7.98	89.40	8.26	93.60	8.38	102.00	8.56			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	46.80	1.28	56.80	1.56	67.00	1.84	72.00	1.98	82.00	2.18	87.20	2.28	97.20	2.46
	27.0	46.80	1.30	56.80	1.58	67.00	1.86	72.00	2.02	82.00	2.20	87.20	2.30	97.20	2.48
	32.0	46.80	1.34	56.80	1.62	67.00	1.90	72.00	2.04	82.00	2.22	87.20	2.32	97.20	2.52
	37.0	46.80	1.38	56.80	1.66	67.00	1.94	72.00	2.08	82.00	2.26	87.20	2.36	97.20	2.54
	41.0	46.80	1.40	56.80	1.68	67.00	1.96	72.00	2.10	82.00	2.28	87.20	2.38	97.20	2.56
	46.0	46.80	1.42	56.80	1.70	67.00	1.98	72.00	2.12	82.00	2.32	87.20	2.42	97.20	2.60
	50.0	46.80	1.46	56.80	1.74	67.00	2.00	72.00	2.14	82.00	2.34	87.20	2.44	97.20	2.64
	54.0	46.80	1.48	56.80	1.76	67.00	2.04	72.00	2.18	82.00	2.38	87.20	2.48	97.20	2.66
	57.0	46.80	1.50	56.80	1.78	67.00	2.06	72.00	2.22	82.00	2.42	87.20	2.52	97.20	2.72
	61.0	46.80	1.52	56.80	1.80	67.00	2.10	72.00	2.24	82.00	2.46	87.20	2.56	97.20	2.76
	64.0	46.80	1.54	56.80	1.84	67.00	2.14	72.00	2.30	82.00	2.50	87.20	2.60	97.20	2.82
	68.0	46.80	1.58	56.80	1.88	67.00	2.20	72.00	2.34	82.00	2.58	87.20	2.70	97.20	2.92
	72.0	46.80	1.62	56.80	1.92	67.00	2.24	72.00	2.40	82.00	2.66	87.20	2.78	97.20	3.04
	75.0	46.80	1.62	56.80	1.96	67.00	2.32	72.00	2.48	82.00	2.76	87.20	2.90	97.20	3.16
	79.0	46.80	1.64	56.80	2.02	67.00	2.40	72.00	2.60	82.00	2.90	87.20	3.04	97.20	3.34
	82.0	46.80	1.68	56.80	2.08	67.00	2.50	72.00	2.72	82.00	3.04	87.20	3.22	97.20	3.56
	86.0	46.80	1.72	56.80	2.18	67.00	2.62	72.00	2.84	82.00	3.20	87.20	3.40	97.20	3.76
	90.0	46.80	1.82	56.80	2.28	67.00	2.74	72.00	2.98	82.00	3.38	87.20	3.60	97.20	4.02
	93.0	46.80	1.88	56.80	2.38	67.00	2.88	72.00	3.14	82.00	3.60	87.20	3.84	97.20	4.30
	95.0	46.80	1.94	56.80	2.46	67.00	2.96	72.00	3.22	82.00	3.72	87.20	3.96	97.20	4.44
99.0	46.80	2.08	56.80	2.66	67.00	3.26	72.00	3.54	82.00	4.06	87.20	4.32	97.20	4.84	
102.0	46.80	2.30	56.80	2.94	67.00	3.58	72.00	3.90	82.00	4.46	87.20	4.74	97.20	5.30	
106.0	46.80	2.54	56.80	3.26	67.00	3.96	72.00	4.32	82.00	4.92	87.20	5.22	97.20	5.82	
111.0	46.80	3.00	56.80	3.84	67.00	4.68	72.00	5.10	82.00	5.76	87.20	6.10	97.20	6.76	
115.0	46.80	3.36	56.80	4.28	67.00	5.18	72.00	5.64	82.00	6.34	87.20	6.70	97.20	7.42	
118.0	46.80	3.90	56.80	4.82	67.00	5.76	72.00	6.22	82.00	6.96	87.20	7.34	97.20	8.08	
120.0	46.80	4.02	56.80	5.26	67.00	6.20	72.00	6.64	79.40	7.16	83.60	7.40	92.80	7.86	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	250.00	15.76	242.20	14.60	210.60	10.38	202.80	9.88	194.80	9.42
	57.0	53.0	250.00	17.10	242.20	15.88	210.60	11.36	202.80	10.78	194.80	10.22
	54.0	50.0	250.00	18.52	242.20	17.18	210.60	12.42	202.80	11.76	194.80	11.10
	51.0	47.0	250.00	20.04	242.20	18.68	210.60	13.60	202.80	12.80	194.80	12.04
	47.0	43.0	250.00	21.54	242.20	20.16	210.60	14.88	202.80	13.94	194.80	13.06
	44.0	40.0	250.00	23.10	242.20	21.68	210.60	16.26	202.80	15.20	194.80	14.18
	39.0	36.0	250.00	24.76	242.20	23.26	210.60	17.68	202.80	16.52	194.80	15.40
	35.0	32.0	250.00	26.44	242.20	24.90	210.60	19.10	202.80	17.86	194.80	16.64
	30.0	28.0	250.00	28.12	242.20	26.60	210.60	20.70	202.80	19.32	194.80	17.98
	26.0	24.0	250.00	29.80	242.20	28.28	210.60	22.28	202.80	20.84	194.80	19.42
	23.0	21.0	250.00	31.50	242.20	29.96	210.60	23.86	202.80	22.34	194.80	20.86
	19.0	18.0	249.20	33.06	242.20	31.66	210.60	25.46	202.80	23.88	194.80	22.32
	17.0	15.0	246.40	33.14	242.20	32.56	210.60	26.34	202.80	24.70	194.80	23.10
	13.0	12.0	239.80	33.08	239.80	33.72	210.60	28.06	202.80	26.38	194.80	24.72
	10.0	9.0	233.40	33.00	233.40	33.64	210.60	29.76	202.80	28.04	194.80	26.34
	6.0	5.0	223.60	32.88	223.60	33.54	210.60	32.32	202.80	30.56	194.80	28.82
	2.0	1.0	217.20	32.82	217.20	33.46	210.60	34.10	202.80	32.22	194.80	30.46
	-1.8	-2.2	210.60	32.74	210.60	33.38	210.60	35.98	202.80	34.08	194.80	32.22
	-3.6	-4.0	207.40	32.70	207.40	33.36	207.40	35.94	202.20	34.88	194.80	33.12
	-7.1	-7.6	201.00	32.62	201.00	33.28	200.80	35.88	195.80	34.80	190.60	33.74
-12.6	-13.0	191.20	32.52	191.20	33.16	191.20	35.76	186.00	34.70	181.00	33.62	
120	60.0	56.0	230.80	13.14	223.60	12.30	194.40	9.18	187.20	8.82	179.80	8.46
	57.0	53.0	230.80	14.28	223.60	13.36	194.40	9.96	187.20	9.52	179.80	9.10
	54.0	50.0	230.80	15.46	223.60	14.48	194.40	10.84	187.20	10.32	179.80	9.82
	51.0	47.0	230.80	16.78	223.60	15.70	194.40	11.80	187.20	11.20	179.80	10.62
	47.0	43.0	230.80	18.14	223.60	17.00	194.40	12.86	187.20	12.16	179.80	11.48
	44.0	40.0	230.80	19.52	223.60	18.34	194.40	13.98	187.20	13.18	179.80	12.40
	39.0	36.0	230.80	20.96	223.60	19.70	194.40	15.16	187.20	14.26	179.80	13.40
	35.0	32.0	230.80	22.50	223.60	21.14	194.40	16.34	187.20	15.36	179.80	14.42
	30.0	28.0	230.80	24.08	223.60	22.66	194.40	17.54	187.20	16.50	179.80	15.50
	26.0	24.0	230.80	25.72	223.60	24.24	194.40	18.88	187.20	17.76	179.80	16.66
	23.0	21.0	230.80	27.38	223.60	25.88	194.40	20.28	187.20	19.10	179.80	17.92
	19.0	18.0	230.80	29.04	223.60	27.52	194.40	21.70	187.20	20.46	179.80	19.22
	17.0	15.0	230.80	29.86	223.60	28.34	194.40	22.44	187.20	21.16	179.80	19.90
	13.0	12.0	230.80	31.60	223.60	30.00	194.40	24.02	187.20	22.68	179.80	21.34
	10.0	9.0	229.20	32.96	223.60	31.76	194.40	25.64	187.20	24.24	179.80	22.84
	6.0	5.0	219.60	32.86	218.40	32.98	194.40	28.08	187.20	26.62	179.80	25.18
	2.0	1.0	213.00	32.78	211.80	32.92	194.40	29.72	187.20	28.22	179.80	26.74
	-1.8	-2.2	206.60	32.70	205.40	32.84	194.40	31.46	187.20	29.90	179.80	28.34
	-3.6	-4.0	203.40	32.68	202.20	32.80	194.40	32.38	187.20	30.78	179.80	29.20
	-7.1	-7.6	196.80	32.60	195.60	32.72	191.20	33.24	185.80	32.16	179.80	30.96
-12.6	-13.0	187.20	32.48	186.00	32.62	181.40	33.14	176.00	32.06	170.60	30.98	
110	60.0	56.0	211.60	10.78	205.00	10.20	178.20	8.08	171.60	7.80	164.80	7.52
	57.0	53.0	211.60	11.70	205.00	11.04	178.20	8.66	171.60	8.34	164.80	8.02
	54.0	50.0	211.60	12.72	205.00	12.00	178.20	9.34	171.60	8.98	164.80	8.60
	51.0	47.0	211.60	13.82	205.00	13.02	178.20	10.12	171.60	9.68	164.80	9.26
	47.0	43.0	211.60	15.02	205.00	14.14	178.20	11.00	171.60	10.48	164.80	9.96
	44.0	40.0	211.60	16.28	205.00	15.32	178.20	11.90	171.60	11.32	164.80	10.74
	39.0	36.0	211.60	17.56	205.00	16.52	178.20	12.86	171.60	12.18	164.80	11.54
	35.0	32.0	211.60	18.90	205.00	17.74	178.20	13.80	171.60	13.08	164.80	12.36
	30.0	28.0	211.60	20.32	205.00	19.08	178.20	14.74	171.60	13.98	164.80	13.20
	26.0	24.0	211.60	21.80	205.00	20.50	178.20	15.76	171.60	14.92	164.80	14.10
	23.0	21.0	211.60	23.36	205.00	21.94	178.20	16.90	171.60	16.02	164.80	15.14
	19.0	18.0	211.60	24.98	205.00	23.52	178.20	18.16	171.60	17.20	164.80	16.26
	17.0	15.0	211.60	25.80	205.00	24.32	178.20	18.80	171.60	17.82	164.80	16.86
	13.0	12.0	211.60	27.44	205.00	25.94	178.20	20.20	171.60	19.16	164.80	18.12
	10.0	9.0	211.60	29.10	205.00	27.56	178.20	21.66	171.60	20.56	164.80	19.48
	6.0	5.0	211.60	31.72	205.00	30.06	178.20	23.98	171.60	22.80	164.80	21.64
	2.0	1.0	209.00	32.76	204.80	31.82	178.20	25.54	171.60	24.32	164.80	23.12
	-1.8	-2.2	202.40	32.68	200.20	32.28	178.20	27.14	171.60	25.88	164.80	24.64
	-3.6	-4.0	199.20	32.64	197.00	32.26	178.20	27.98	171.60	26.68	164.80	25.42
	-7.1	-7.6	192.80	32.56	190.40	32.18	178.20	29.70	171.60	28.38	164.80	27.08
-12.6	-13.0	183.00	32.46	180.80	32.06	171.80	30.50	166.00	29.42	160.20	28.34	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	192.40	8.56	186.40	8.24	162.00	7.04	156.00	6.84	149.80	6.62
	57.0	53.0	192.40	9.32	186.40	8.92	162.00	7.46	156.00	7.22	149.80	7.00
	54.0	50.0	192.40	10.16	186.40	9.70	162.00	7.96	156.00	7.70	149.80	7.44
	51.0	47.0	192.40	11.12	186.40	10.56	162.00	8.56	156.00	8.26	149.80	7.96
	47.0	43.0	192.40	12.14	186.40	11.52	162.00	9.26	156.00	8.90	149.80	8.54
	44.0	40.0	192.40	13.26	186.40	12.54	162.00	10.00	156.00	9.58	149.80	9.16
	39.0	36.0	192.40	14.44	186.40	13.62	162.00	10.74	156.00	10.26	149.80	9.78
	35.0	32.0	192.40	15.62	186.40	14.72	162.00	11.48	156.00	10.96	149.80	10.42
	30.0	28.0	192.40	16.86	186.40	15.82	162.00	12.22	156.00	11.64	149.80	11.08
	26.0	24.0	192.40	18.24	186.40	17.08	162.00	12.96	156.00	12.36	149.80	11.74
	23.0	21.0	192.40	19.64	186.40	18.38	162.00	13.80	156.00	13.16	149.80	12.52
	19.0	18.0	192.40	21.06	186.40	19.74	162.00	14.82	156.00	14.12	149.80	13.44
	17.0	15.0	192.40	21.82	186.40	20.46	162.00	15.38	156.00	14.66	149.80	13.94
	13.0	12.0	192.40	23.42	186.40	21.98	162.00	16.58	156.00	15.80	149.80	15.04
	10.0	9.0	192.40	25.06	186.40	23.56	162.00	17.88	156.00	17.06	149.80	16.24
	6.0	5.0	192.40	27.50	186.40	25.96	162.00	20.00	156.00	19.10	149.80	18.20
	2.0	1.0	192.40	29.16	186.40	27.56	162.00	21.48	156.00	20.54	149.80	19.60
	-1.8	-2.2	192.40	30.92	186.40	29.26	162.00	22.96	156.00	21.98	149.80	21.00
	-3.6	-4.0	192.40	31.82	186.40	30.16	162.00	23.70	156.00	22.72	149.80	21.72
	-7.1	-7.6	188.60	32.54	185.20	31.62	162.00	25.38	156.00	24.32	149.80	23.28
-12.6	-13.0	178.80	32.42	175.60	31.52	162.00	27.88	156.00	26.78	149.80	25.70	
90	60.0	56.0	173.20	7.44	167.60	7.18	145.80	6.24	140.40	6.08	134.80	5.92
	57.0	53.0	173.20	7.98	167.60	7.70	145.80	6.60	140.40	6.42	134.80	6.24
	54.0	50.0	173.20	8.60	167.60	8.28	145.80	7.02	140.40	6.80	134.80	6.60
	51.0	47.0	173.20	9.30	167.60	8.92	145.80	7.50	140.40	7.26	134.80	7.02
	47.0	43.0	173.20	10.04	167.60	9.62	145.80	8.06	140.40	7.78	134.80	7.50
	44.0	40.0	173.20	10.84	167.60	10.38	145.80	8.66	140.40	8.34	134.80	8.00
	39.0	36.0	173.20	11.70	167.60	11.18	145.80	9.26	140.40	8.88	134.80	8.52
	35.0	32.0	173.20	12.64	167.60	12.06	145.80	9.84	140.40	9.44	134.80	9.04
	30.0	28.0	173.20	13.62	167.60	12.94	145.80	10.48	140.40	10.04	134.80	9.60
	26.0	24.0	173.20	14.70	167.60	13.94	145.80	11.12	140.40	10.66	134.80	10.18
	23.0	21.0	173.20	15.86	167.60	15.02	145.80	11.84	140.40	11.34	134.80	10.84
	19.0	18.0	173.20	17.08	167.60	16.18	145.80	12.72	140.40	12.16	134.80	11.62
	17.0	15.0	173.20	17.72	167.60	16.78	145.80	13.20	140.40	12.62	134.80	12.06
	13.0	12.0	173.20	19.06	167.60	18.06	145.80	14.24	140.40	13.60	134.80	12.98
	10.0	9.0	173.20	20.48	167.60	19.40	145.80	15.36	140.40	14.68	134.80	14.00
	6.0	5.0	173.20	22.70	167.60	21.58	145.80	17.24	140.40	16.48	134.80	15.72
	2.0	1.0	173.20	24.24	167.60	23.08	145.80	18.56	140.40	17.76	134.80	16.96
	-1.8	-2.2	173.20	25.82	167.60	24.62	145.80	19.94	140.40	19.10	134.80	18.24
	-3.6	-4.0	173.20	26.62	167.60	25.40	145.80	20.64	140.40	19.78	134.80	18.92
	-7.1	-7.6	173.20	28.30	167.60	27.06	145.80	22.16	140.40	21.24	134.80	20.32
-12.6	-13.0	165.00	28.64	161.20	27.82	145.80	24.54	140.40	23.58	134.80	22.60	
80	60.0	56.0	154.00	6.36	149.00	6.18	129.60	5.42	124.80	5.32	119.80	5.20
	57.0	53.0	154.00	6.74	149.00	6.52	129.60	5.74	124.80	5.60	119.80	5.48
	54.0	50.0	154.00	7.14	149.00	6.92	129.60	6.06	124.80	5.92	119.80	5.76
	51.0	47.0	154.00	7.60	149.00	7.38	129.60	6.44	124.80	6.26	119.80	6.10
	47.0	43.0	154.00	8.10	149.00	7.84	129.60	6.88	124.80	6.66	119.80	6.46
	44.0	40.0	154.00	8.60	149.00	8.34	129.60	7.32	124.80	7.08	119.80	6.86
	39.0	36.0	154.00	9.18	149.00	8.90	129.60	7.76	124.80	7.52	119.80	7.26
	35.0	32.0	154.00	9.86	149.00	9.52	129.60	8.20	124.80	7.94	119.80	7.66
	30.0	28.0	154.00	10.60	149.00	10.20	129.60	8.72	124.80	8.42	119.80	8.12
	26.0	24.0	154.00	11.42	149.00	10.98	129.60	9.28	124.80	8.94	119.80	8.62
	23.0	21.0	154.00	12.32	149.00	11.84	129.60	9.90	124.80	9.54	119.80	9.18
	19.0	18.0	154.00	13.32	149.00	12.78	129.60	10.62	124.80	10.22	119.80	9.82
	17.0	15.0	154.00	13.86	149.00	13.28	129.60	11.02	124.80	10.60	119.80	10.16
	13.0	12.0	154.00	14.94	149.00	14.32	129.60	11.90	124.80	11.42	119.80	10.92
	10.0	9.0	154.00	16.12	149.00	15.46	129.60	12.86	124.80	12.32	119.80	11.78
	6.0	5.0	154.00	18.08	149.00	17.34	129.60	14.46	124.80	13.86	119.80	13.24
	2.0	1.0	154.00	19.46	149.00	18.68	129.60	15.66	124.80	14.98	119.80	14.32
	-1.8	-2.2	154.00	20.94	149.00	20.12	129.60	16.90	124.80	16.20	119.80	15.48
	-3.6	-4.0	154.00	21.68	149.00	20.84	129.60	17.58	124.80	16.84	119.80	16.10
	-7.1	-7.6	154.00	23.20	149.00	22.34	129.60	18.94	124.80	18.16	119.80	17.38
-12.6	-13.0	151.20	24.84	146.80	24.12	129.60	21.22	124.80	20.36	119.80	19.50	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM144*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	134.60	5.42	130.40	5.26	113.40	4.66	109.20	4.58	104.80	4.50
	57.0	53.0	134.60	5.68	130.40	5.52	113.40	4.92	109.20	4.82	104.80	4.72
	54.0	50.0	134.60	5.96	130.40	5.80	113.40	5.18	109.20	5.08	104.80	4.96
	51.0	47.0	134.60	6.30	130.40	6.12	113.40	5.48	109.20	5.36	104.80	5.22
	47.0	43.0	134.60	6.62	130.40	6.46	113.40	5.82	109.20	5.66	104.80	5.52
	44.0	40.0	134.60	6.98	130.40	6.80	113.40	6.14	109.20	5.98	104.80	5.82
	39.0	36.0	134.60	7.38	130.40	7.20	113.40	6.48	109.20	6.32	104.80	6.14
	35.0	32.0	134.60	7.86	130.40	7.66	113.40	6.84	109.20	6.66	104.80	6.46
	30.0	28.0	134.60	8.42	130.40	8.18	113.40	7.26	109.20	7.06	104.80	6.84
	26.0	24.0	134.60	9.04	130.40	8.78	113.40	7.72	109.20	7.50	104.80	7.26
	23.0	21.0	134.60	9.74	130.40	9.44	113.40	8.22	109.20	7.96	104.80	7.70
	19.0	18.0	134.60	10.52	130.40	10.16	113.40	8.80	109.20	8.52	104.80	8.22
	17.0	15.0	134.60	10.94	130.40	10.58	113.40	9.12	109.20	8.82	104.80	8.50
	13.0	12.0	134.60	11.80	130.40	11.40	113.40	9.84	109.20	9.48	104.80	9.12
	10.0	9.0	134.60	12.76	130.40	12.32	113.40	10.60	109.20	10.20	104.80	9.80
	6.0	5.0	134.60	14.36	130.40	13.88	113.40	11.92	109.20	11.46	104.80	10.98
	2.0	1.0	134.60	15.52	130.40	15.00	113.40	12.92	109.20	12.40	104.80	11.88
	-1.8	-2.2	134.60	16.82	130.40	16.26	113.40	14.02	109.20	13.44	104.80	12.88
	-3.6	-4.0	134.60	17.50	130.40	16.92	113.40	14.60	109.20	14.02	104.80	13.42
	-7.1	-7.6	134.60	18.84	130.40	18.24	113.40	15.80	109.20	15.16	104.80	14.52
-12.6	-13.0	134.60	20.94	130.40	20.32	113.40	17.84	109.20	17.12	104.80	16.40	
60	60.0	56.0	115.40	4.54	111.80	4.42	97.20	3.94	93.60	3.88	90.00	3.80
	57.0	53.0	115.40	4.76	111.80	4.64	97.20	4.16	93.60	4.08	90.00	4.00
	54.0	50.0	115.40	5.00	111.80	4.88	97.20	4.38	93.60	4.28	90.00	4.20
	51.0	47.0	115.40	5.26	111.80	5.12	97.20	4.62	93.60	4.52	90.00	4.42
	47.0	43.0	115.40	5.52	111.80	5.38	97.20	4.88	93.60	4.76	90.00	4.64
	44.0	40.0	115.40	5.82	111.80	5.68	97.20	5.14	93.60	5.02	90.00	4.90
	39.0	36.0	115.40	6.16	111.80	6.02	97.20	5.44	93.60	5.30	90.00	5.16
	35.0	32.0	115.40	6.54	111.80	6.38	97.20	5.74	93.60	5.60	90.00	5.46
	30.0	28.0	115.40	6.96	111.80	6.78	97.20	6.10	93.60	5.94	90.00	5.76
	26.0	24.0	115.40	7.42	111.80	7.24	97.20	6.46	93.60	6.28	90.00	6.10
	23.0	21.0	115.40	7.94	111.80	7.74	97.20	6.86	93.60	6.66	90.00	6.46
	19.0	18.0	115.40	8.52	111.80	8.26	97.20	7.28	93.60	7.06	90.00	6.84
	17.0	15.0	115.40	8.82	111.80	8.56	97.20	7.52	93.60	7.28	90.00	7.06
	13.0	12.0	115.40	9.46	111.80	9.18	97.20	8.06	93.60	7.80	90.00	7.54
	10.0	9.0	115.40	10.18	111.80	9.86	97.20	8.62	93.60	8.34	90.00	8.06
	6.0	5.0	115.40	11.42	111.80	11.06	97.20	9.60	93.60	9.28	90.00	8.94
	2.0	1.0	115.40	12.34	111.80	11.96	97.20	10.38	93.60	10.02	90.00	9.64
	-1.8	-2.2	115.40	13.40	111.80	12.98	97.20	11.26	93.60	10.84	90.00	10.42
	-3.6	-4.0	115.40	13.96	111.80	13.52	97.20	11.74	93.60	11.30	90.00	10.86
	-7.1	-7.6	115.40	15.10	111.80	14.64	97.20	12.72	93.60	12.24	90.00	11.76
-12.6	-13.0	115.40	16.94	111.80	16.44	97.20	14.42	93.60	13.88	90.00	13.32	
50	60.0	56.0	96.20	3.66	93.20	3.58	81.00	3.22	78.00	3.16	75.00	3.10
	57.0	53.0	96.20	3.84	93.20	3.76	81.00	3.40	78.00	3.34	75.00	3.26
	54.0	50.0	96.20	4.04	93.20	3.94	81.00	3.58	78.00	3.50	75.00	3.42
	51.0	47.0	96.20	4.22	93.20	4.12	81.00	3.78	78.00	3.68	75.00	3.60
	47.0	43.0	96.20	4.40	93.20	4.32	81.00	3.96	78.00	3.86	75.00	3.78
	44.0	40.0	96.20	4.66	93.20	4.56	81.00	4.14	78.00	4.06	75.00	3.96
	39.0	36.0	96.20	4.94	93.20	4.82	81.00	4.38	78.00	4.28	75.00	4.18
	35.0	32.0	96.20	5.22	93.20	5.10	81.00	4.66	78.00	4.54	75.00	4.44
	30.0	28.0	96.20	5.50	93.20	5.38	81.00	4.94	78.00	4.80	75.00	4.68
	26.0	24.0	96.20	5.80	93.20	5.68	81.00	5.20	78.00	5.08	75.00	4.94
	23.0	21.0	96.20	6.16	93.20	6.02	81.00	5.48	78.00	5.34	75.00	5.20
	19.0	18.0	96.20	6.52	93.20	6.36	81.00	5.76	78.00	5.62	75.00	5.48
	17.0	15.0	96.20	6.70	93.20	6.54	81.00	5.90	78.00	5.76	75.00	5.62
	13.0	12.0	96.20	7.10	93.20	6.94	81.00	6.28	78.00	6.12	75.00	5.96
	10.0	9.0	96.20	7.58	93.20	7.40	81.00	6.64	78.00	6.48	75.00	6.30
	6.0	5.0	96.20	8.46	93.20	8.24	81.00	7.30	78.00	7.10	75.00	6.90
	2.0	1.0	96.20	9.18	93.20	8.92	81.00	7.84	78.00	7.62	75.00	7.40
	-1.8	-2.2	96.20	9.98	93.20	9.68	81.00	8.50	78.00	8.24	75.00	7.98
	-3.6	-4.0	96.20	10.42	93.20	10.12	81.00	8.86	78.00	8.58	75.00	8.30
	-7.1	-7.6	96.20	11.38	93.20	11.02	81.00	9.66	78.00	9.34	75.00	9.02
-12.6	-13.0	96.20	12.94	93.20	12.56	81.00	11.00	78.00	10.62	75.00	10.24	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
130	23.0	141.90	3.64	172.50	4.74	203.10	5.84	218.40	6.40	249.00	7.19	264.30	7.59	294.90	8.38		
	27.0	141.90	3.66	172.50	4.77	203.10	5.88	218.40	6.43	249.00	7.22	264.30	7.62	294.90	8.43		
	32.0	141.90	3.72	172.50	4.84	203.10	5.95	218.40	6.50	249.00	7.29	264.30	7.70	294.90	8.50		
	37.0	141.90	3.81	172.50	4.92	203.10	6.02	218.40	6.58	249.00	7.38	264.30	7.78	294.90	8.59		
	41.0	141.90	3.86	172.50	4.97	203.10	6.07	218.40	6.63	249.00	7.43	264.30	7.85	294.90	8.69		
	46.0	141.90	3.95	172.50	5.07	203.10	6.17	218.40	6.73	249.00	7.59	264.30	8.02	294.90	8.90		
	50.0	141.90	4.06	172.50	5.16	203.10	6.26	218.40	6.82	249.00	7.73	264.30	8.19	294.90	9.11		
	54.0	141.90	4.20	172.50	5.31	203.10	6.42	218.40	6.98	249.00	7.92	264.30	8.41	294.90	9.37		
	57.0	141.90	4.34	172.50	5.45	203.10	6.58	218.40	7.15	249.00	8.15	264.30	8.65	294.90	9.63		
	61.0	141.90	4.46	172.50	5.62	203.10	6.80	218.40	7.38	249.00	8.41	264.30	8.94	293.10	9.94		
	64.0	141.90	4.65	172.50	5.84	203.10	7.03	218.40	7.62	249.00	8.71	264.30	9.27	292.10	10.32		
	68.0	141.90	4.84	172.50	6.05	203.10	7.31	218.40	7.94	249.00	9.11	264.30	9.74	290.90	10.84		
	72.0	141.90	5.05	172.50	6.31	203.10	7.64	218.40	8.34	249.00	9.60	264.30	10.30	289.20	11.48		
	75.0	141.90	5.24	172.50	6.58	203.10	8.05	218.40	8.83	249.00	10.23	264.30	10.98	287.50	12.24		
	79.0	141.90	5.51	172.50	6.96	203.10	8.55	218.40	9.41	249.00	10.93	264.30	11.77	285.90	13.12		
	82.0	141.90	5.79	172.50	7.36	203.10	9.11	218.40	10.06	249.00	11.78	264.30	12.71	284.10	14.07		
	86.0	141.90	6.12	172.50	7.88	203.10	9.78	218.40	10.86	249.00	12.71	264.30	13.71	282.50	15.13		
	90.0	141.90	6.61	172.50	8.41	203.10	10.60	218.40	11.73	249.00	13.66	264.00	14.76	280.80	16.33		
	93.0	141.90	7.00	172.50	9.20	203.10	11.44	218.40	12.59	249.00	14.78	263.00	15.95	279.10	17.48		
	95.0	141.90	7.40	172.50	9.61	203.10	11.86	218.40	13.04	249.00	15.40	262.50	16.55	278.30	17.70		
99.0	141.90	8.19	172.50	10.42	203.10	12.78	218.40	14.15	249.00	16.68	261.10	17.73	267.60	17.29			
102.0	141.90	8.97	172.50	11.23	203.10	13.90	218.40	15.34	243.90	17.38	245.90	17.05	248.50	16.20			
106.0	141.90	9.69	172.50	12.26	203.10	15.11	218.40	16.63	225.40	16.37	226.60	15.93	229.50	15.11			
111.0	141.90	11.15	172.50	14.04	191.50	15.65	193.70	15.51	196.30	14.65	197.80	14.25	200.90	13.47			
115.0	141.90	12.33	166.80	14.69	171.50	14.42	173.80	14.29	176.90	13.50	178.50	13.13	182.00	12.38			
118.0	141.90	13.73	146.70	13.46	151.50	13.20	153.90	13.07	157.50	12.36	159.30	12.00	162.90	11.29			
120.0	139.06	13.87	140.11	13.37	142.80	12.87	143.90	12.50	147.50	11.77	149.40	11.42	153.50	10.75			
120	23.0	131.10	3.39	159.30	4.37	187.50	5.35	201.60	5.84	229.80	6.57	243.90	6.94	272.10	7.68		
	27.0	131.10	3.41	159.30	4.39	187.50	5.38	201.60	5.87	229.80	6.61	243.90	6.98	272.10	7.71		
	32.0	131.10	3.46	159.30	4.46	187.50	5.44	201.60	5.93	229.80	6.68	243.90	7.04	272.10	7.78		
	37.0	131.10	3.55	159.30	4.53	187.50	5.51	201.60	6.01	229.80	6.75	243.90	7.12	272.10	7.85		
	41.0	131.10	3.60	159.30	4.58	187.50	5.56	201.60	6.05	229.80	6.80	243.90	7.17	272.10	7.94		
	46.0	131.10	3.67	159.30	4.67	187.50	5.66	201.60	6.15	229.80	6.92	243.90	7.31	272.10	8.10		
	50.0	131.10	3.78	159.30	4.76	187.50	5.74	201.60	6.23	229.80	7.05	243.90	7.46	272.10	8.29		
	54.0	131.10	3.88	159.30	4.88	187.50	5.86	201.60	6.36	229.80	7.21	243.90	7.64	272.10	8.50		
	57.0	131.10	3.99	159.30	4.99	187.50	6.00	201.60	6.51	229.80	7.40	243.90	7.84	272.10	8.74		
	61.0	131.10	4.09	159.30	5.13	187.50	6.18	201.60	6.71	229.80	7.62	243.90	8.08	272.10	9.03		
	64.0	131.10	4.25	159.30	5.30	187.50	6.38	201.60	6.92	229.80	7.88	243.90	8.37	272.10	9.36		
	68.0	131.10	4.39	159.30	5.49	187.50	6.61	201.60	7.19	229.80	8.22	243.90	8.74	272.10	9.89		
	72.0	131.10	4.56	159.30	5.72	187.50	6.91	201.60	7.52	229.80	8.62	243.90	9.21	272.10	10.46		
	75.0	131.10	4.75	159.30	5.96	187.50	7.26	201.60	7.94	229.80	9.15	243.90	9.79	272.10	11.19		
	79.0	131.10	5.00	159.30	6.31	187.50	7.71	201.60	8.46	229.80	9.78	243.90	10.51	272.10	12.08		
	82.0	131.10	5.27	159.30	6.68	187.50	8.23	201.60	9.06	229.80	10.53	243.90	11.33	272.10	13.04		
	86.0	131.10	5.58	159.30	7.14	187.50	8.85	201.60	9.77	229.80	11.38	243.90	12.24	272.10	14.07		
	90.0	131.10	5.97	159.30	7.64	187.50	9.55	201.60	10.58	229.80	12.29	243.90	13.18	272.10	15.18		
	93.0	131.10	6.33	159.30	8.29	187.50	10.35	201.60	11.43	229.80	13.21	243.90	14.21	271.30	16.33		
	95.0	131.10	6.66	159.30	8.66	187.50	10.76	201.60	11.85	229.80	13.73	243.90	14.77	270.80	16.90		
99.0	131.10	7.34	159.30	9.41	187.50	11.60	201.60	12.78	229.80	14.83	243.90	15.93	264.10	17.24			
102.0	131.10	8.03	159.30	10.19	187.50	12.57	201.60	13.81	229.80	15.98	240.60	16.73	245.20	16.18			
106.0	131.10	8.78	159.30	11.12	187.50	13.62	201.60	14.91	220.90	16.11	222.80	15.79	226.30	15.09			
111.0	131.10	10.14	159.30	12.68	184.80	15.04	189.20	15.20	192.30	14.46	194.10	14.11	197.70	13.45			
115.0	131.10	11.21	157.90	13.71	165.70	13.92	169.40	13.99	172.90	13.31	174.80	12.99	178.70	12.36			
118.0	131.10	12.38	138.40	12.54	145.80	12.69	149.50	12.77	153.50	12.17	155.60	11.87	159.60	11.26			
120.0	128.48	12.50	133.24	12.52	138.10	12.40	139.50	12.19	143.50	11.57	145.60	11.28	150.20	10.72			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
110	23.0	120.10	3.13	146.00	4.00	171.90	4.86	184.80	5.28	210.70	5.96	223.60	6.30	249.50	6.96		
	27.0	120.10	3.16	146.00	4.02	171.90	4.88	184.80	5.32	210.70	5.98	223.60	6.33	249.50	7.00		
	32.0	120.10	3.20	146.00	4.07	171.90	4.93	184.80	5.37	210.70	6.05	223.60	6.38	249.50	7.06		
	37.0	120.10	3.27	146.00	4.14	171.90	5.00	184.80	5.44	210.70	6.12	223.60	6.45	249.50	7.13		
	41.0	120.10	3.32	146.00	4.19	171.90	5.06	184.80	5.49	210.70	6.17	223.60	6.51	249.50	7.19		
	46.0	120.10	3.41	146.00	4.27	171.90	5.14	184.80	5.58	210.70	6.26	223.60	6.61	249.50	7.31		
	50.0	120.10	3.50	146.00	4.35	171.90	5.21	184.80	5.63	210.70	6.37	223.60	6.73	249.50	7.45		
	54.0	120.10	3.56	146.00	4.44	171.90	5.31	184.80	5.75	210.70	6.50	223.60	6.87	249.50	7.64		
	57.0	120.10	3.64	146.00	4.53	171.90	5.42	184.80	5.87	210.70	6.65	223.60	7.04	249.50	7.83		
	61.0	120.10	3.72	146.00	4.65	171.90	5.58	184.80	6.04	210.70	6.84	223.60	7.24	249.50	8.06		
	64.0	120.10	3.83	146.00	4.78	171.90	5.74	184.80	6.22	210.70	7.06	223.60	7.49	249.50	8.37		
	68.0	120.10	3.94	146.00	4.92	171.90	5.93	184.80	6.44	210.70	7.33	223.60	7.80	249.50	8.76		
	72.0	120.10	4.08	146.00	5.12	171.90	6.18	184.80	6.73	210.70	7.68	223.60	8.18	249.50	9.23		
	75.0	120.10	4.25	146.00	5.35	171.90	6.49	184.80	7.07	210.70	8.12	223.60	8.67	249.50	9.84		
	79.0	120.10	4.49	146.00	5.65	171.90	6.89	184.80	7.52	210.70	8.67	223.60	9.29	249.50	10.61		
	82.0	120.10	4.74	146.00	6.00	171.90	7.36	184.80	8.08	210.70	9.35	223.60	10.04	249.50	11.49		
	86.0	120.10	5.02	146.00	6.42	171.90	7.92	184.80	8.74	210.70	10.12	223.60	10.84	249.50	12.40		
	90.0	120.10	5.34	146.00	6.86	171.90	8.55	184.80	9.47	210.70	10.94	223.60	11.73	249.50	13.33		
	93.0	120.10	5.68	146.00	7.42	171.90	9.28	184.80	10.27	210.70	11.82	223.60	12.62	249.50	14.31		
	95.0	120.10	5.93	146.00	7.73	171.90	9.67	184.80	10.70	210.70	12.26	223.60	13.08	249.50	14.83		
	99.0	120.10	6.49	146.00	8.43	171.90	10.47	184.80	11.54	210.70	13.19	223.60	14.06	249.50	15.93		
	102.0	120.10	7.10	146.00	9.17	171.90	11.33	184.80	12.44	210.70	14.18	223.60	15.09	241.70	16.12		
	106.0	120.10	7.85	146.00	10.02	171.90	12.24	184.80	13.39	210.40	15.18	218.20	15.55	222.90	15.06		
	111.0	120.10	9.15	146.00	11.40	171.70	13.69	183.20	14.72	188.30	14.25	190.20	13.97	194.40	13.43		
115.0	120.10	10.07	145.60	12.34	159.90	13.39	165.00	13.69	168.90	13.12	171.00	12.85	175.40	12.33			
118.0	120.10	11.04	130.00	11.61	140.00	12.19	145.10	12.47	149.60	11.98	151.90	11.73	156.40	11.24			
120.0	118.90	11.27	124.06	11.42	133.30	11.95	135.10	11.89	139.50	11.38	141.90	11.14	146.80	10.70			
100	23.0	109.20	2.88	132.70	3.62	156.30	4.36	168.00	4.74	191.50	5.35	203.30	5.65	226.80	6.26		
	27.0	109.20	2.91	132.70	3.65	156.30	4.39	168.00	4.76	191.50	5.37	203.30	5.68	226.80	6.29		
	32.0	109.20	2.94	132.70	3.69	156.30	4.44	168.00	4.81	191.50	5.42	203.30	5.73	226.80	6.35		
	37.0	109.20	3.00	132.70	3.76	156.30	4.50	168.00	4.88	191.50	5.49	203.30	5.80	226.80	6.42		
	41.0	109.20	3.06	132.70	3.81	156.30	4.55	168.00	4.93	191.50	5.54	203.30	5.84	226.80	6.45		
	46.0	109.20	3.13	132.70	3.88	156.30	4.63	168.00	5.00	191.50	5.62	203.30	5.93	226.80	6.54		
	50.0	109.20	3.22	132.70	3.95	156.30	4.69	168.00	5.05	191.50	5.68	203.30	6.00	226.80	6.63		
	54.0	109.20	3.24	132.70	4.00	156.30	4.76	168.00	5.14	191.50	5.79	203.30	6.12	226.80	6.77		
	57.0	109.20	3.30	132.70	4.07	156.30	4.85	168.00	5.23	191.50	5.91	203.30	6.24	226.80	6.92		
	61.0	109.20	3.36	132.70	4.16	156.30	4.97	168.00	5.37	191.50	6.07	203.30	6.42	226.80	7.12		
	64.0	109.20	3.43	132.70	4.26	156.30	5.11	168.00	5.53	191.50	6.26	203.30	6.63	226.80	7.38		
	68.0	109.20	3.48	132.70	4.37	156.30	5.26	168.00	5.72	191.50	6.49	203.30	6.89	226.80	7.71		
	72.0	109.20	3.59	132.70	4.53	156.30	5.47	168.00	5.94	191.50	6.77	203.30	7.20	226.80	8.09		
	75.0	109.20	3.76	132.70	4.74	156.30	5.73	168.00	6.24	191.50	7.14	203.30	7.61	226.80	8.58		
	79.0	109.20	3.97	132.70	5.00	156.30	6.07	168.00	6.61	191.50	7.60	203.30	8.11	226.80	9.23		
	82.0	109.20	4.22	132.70	5.33	156.30	6.50	168.00	7.12	191.50	8.22	203.30	8.80	226.80	10.00		
	86.0	109.20	4.46	132.70	5.70	156.30	7.03	168.00	7.74	191.50	8.92	203.30	9.53	226.80	10.84		
	90.0	109.20	4.71	132.70	6.10	156.30	7.61	168.00	8.41	191.50	9.67	203.30	10.32	226.80	11.73		
	93.0	109.20	5.02	132.70	6.58	156.30	8.25	168.00	9.12	191.50	10.49	203.30	11.19	226.80	12.55		
	95.0	109.20	5.21	132.70	6.84	156.30	8.60	168.00	9.53	191.50	10.93	203.30	11.60	226.80	12.96		
	99.0	109.20	5.64	132.70	7.46	156.30	9.39	168.00	10.39	191.50	11.73	203.30	12.42	226.80	13.85		
	102.0	109.20	6.16	132.70	8.15	156.30	10.18	168.00	11.19	191.50	12.57	203.30	13.29	226.80	14.83		
	106.0	109.20	6.92	132.70	8.95	156.30	10.98	168.00	12.00	191.50	13.46	203.30	14.22	219.60	15.04		
	111.0	109.20	8.15	132.70	10.19	156.30	12.26	168.00	13.31	183.70	14.00	186.50	13.83	191.10	13.40		
115.0	109.20	8.94	132.70	11.00	153.30	12.79	160.50	13.39	165.00	12.92	167.30	12.71	172.20	12.31			
118.0	109.20	9.70	121.80	10.69	134.30	11.68	140.50	12.17	145.60	11.79	148.10	11.60	153.10	11.21			
120.0	108.11	9.90	116.23	10.51	128.60	11.49	130.60	11.59	135.60	11.19	138.20	11.01	143.60	10.68			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
90	23.0	98.30	2.62	119.50	3.27	140.70	3.91	151.20	4.23	172.40	4.77	182.90	5.03	204.10	5.56		
	27.0	98.30	2.64	119.50	3.29	140.70	3.93	151.20	4.25	172.40	4.79	182.90	5.05	204.10	5.59		
	32.0	98.30	2.68	119.50	3.32	140.70	3.97	151.20	4.30	172.40	4.84	182.90	5.11	204.10	5.64		
	37.0	98.30	2.73	119.50	3.38	140.70	4.04	151.20	4.36	172.40	4.90	182.90	5.16	204.10	5.70		
	41.0	98.30	2.78	119.50	3.43	140.70	4.07	151.20	4.40	172.40	4.93	182.90	5.21	204.10	5.74		
	46.0	98.30	2.85	119.50	3.50	140.70	4.15	151.20	4.48	172.40	5.02	182.90	5.28	204.10	5.82		
	50.0	98.30	2.92	119.50	3.57	140.70	4.20	151.20	4.52	172.40	5.07	182.90	5.35	204.10	5.89		
	54.0	98.30	2.96	119.50	3.62	140.70	4.27	151.20	4.60	172.40	5.16	182.90	5.44	204.10	6.00		
	57.0	98.30	3.02	119.50	3.68	140.70	4.34	151.20	4.67	172.40	5.25	182.90	5.54	204.10	6.12		
	61.0	98.30	3.08	119.50	3.76	140.70	4.44	151.20	4.79	172.40	5.39	182.90	5.68	204.10	6.29		
	64.0	98.30	3.13	119.50	3.85	140.70	4.56	151.20	4.92	172.40	5.54	182.90	5.86	204.10	6.50		
	68.0	98.30	3.18	119.50	3.93	140.70	4.70	151.20	5.07	172.40	5.74	182.90	6.07	204.10	6.76		
	72.0	98.30	3.27	119.50	4.07	140.70	4.88	151.20	5.28	172.40	5.98	182.90	6.35	204.10	7.10		
	75.0	98.30	3.41	119.50	4.25	140.70	5.09	151.20	5.52	172.40	6.29	182.90	6.68	204.10	7.50		
	79.0	98.30	3.58	119.50	4.46	140.70	5.38	151.20	5.84	172.40	6.68	182.90	7.10	204.10	7.97		
	82.0	98.30	3.77	119.50	4.73	140.70	5.73	151.20	6.24	172.40	7.14	182.90	7.61	204.10	8.57		
	86.0	98.30	3.98	119.50	5.04	140.70	6.15	151.20	6.73	172.40	7.70	182.90	8.20	204.10	9.25		
	90.0	98.30	4.20	119.50	5.37	140.70	6.63	151.20	7.27	172.40	8.31	182.90	8.85	204.10	9.98		
	93.0	98.30	4.47	119.50	5.79	140.70	7.15	151.20	7.87	172.40	8.99	182.90	9.57	204.10	10.75		
	95.0	98.30	4.65	119.50	6.02	140.70	7.45	151.20	8.20	172.40	9.36	182.90	9.95	204.10	11.12		
	99.0	98.30	5.07	119.50	6.57	140.70	8.13	151.20	8.94	172.40	10.11	182.90	10.70	204.10	11.89		
	102.0	98.30	5.56	119.50	7.17	140.70	8.83	151.20	9.67	172.40	10.87	182.90	11.49	204.10	12.73		
	106.0	98.30	6.18	119.50	7.85	140.70	9.58	151.20	10.45	172.40	11.70	182.90	12.35	204.10	13.69		
	111.0	98.30	7.24	119.50	9.02	140.70	10.83	151.20	11.76	171.90	13.06	179.40	13.40	187.80	13.38		
115.0	98.30	7.99	119.50	9.83	140.00	11.68	149.80	12.56	158.10	12.52	161.80	12.46	168.90	12.29			
118.0	98.30	8.80	112.00	9.93	125.70	11.07	132.50	11.65	139.50	11.47	142.90	11.38	149.80	11.21			
120.0	98.30	9.08	108.20	9.90	118.50	10.76	122.50	11.07	129.50	10.88	133.00	10.79	140.30	10.67			
80	23.0	87.30	2.35	106.20	2.90	125.00	3.46	134.40	3.73	153.30	4.18	162.60	4.41	181.50	4.86		
	27.0	87.30	2.38	106.20	2.93	125.00	3.48	134.40	3.76	153.30	4.21	162.60	4.44	181.50	4.89		
	32.0	87.30	2.41	106.20	2.97	125.00	3.52	134.40	3.80	153.30	4.25	162.60	4.48	181.50	4.93		
	37.0	87.30	2.46	106.20	3.01	125.00	3.57	134.40	3.84	153.30	4.30	162.60	4.53	181.50	4.98		
	41.0	87.30	2.48	106.20	3.04	125.00	3.60	134.40	3.88	153.30	4.34	162.60	4.57	181.50	5.03		
	46.0	87.30	2.55	106.20	3.11	125.00	3.67	134.40	3.95	153.30	4.41	162.60	4.64	181.50	5.09		
	50.0	87.30	2.64	106.20	3.18	125.00	3.72	134.40	3.99	153.30	4.46	162.60	4.69	181.50	5.16		
	54.0	87.30	2.69	106.20	3.23	125.00	3.78	134.40	4.04	153.30	4.51	162.60	4.75	181.50	5.23		
	57.0	87.30	2.73	106.20	3.29	125.00	3.83	134.40	4.11	153.30	4.60	162.60	4.84	181.50	5.32		
	61.0	87.30	2.78	106.20	3.36	125.00	3.92	134.40	4.21	153.30	4.70	162.60	4.96	181.50	5.46		
	64.0	87.30	2.85	106.20	3.43	125.00	4.02	134.40	4.32	153.30	4.84	162.60	5.10	181.50	5.63		
	68.0	87.30	2.89	106.20	3.51	125.00	4.14	134.40	4.46	153.30	5.00	162.60	5.28	181.50	5.84		
	72.0	87.30	2.96	106.20	3.62	125.00	4.28	134.40	4.62	153.30	5.21	162.60	5.51	181.50	6.12		
	75.0	87.30	3.06	106.20	3.76	125.00	4.47	134.40	4.83	153.30	5.47	162.60	5.80	181.50	6.47		
	79.0	87.30	3.18	106.20	3.93	125.00	4.70	134.40	5.09	153.30	5.79	162.60	6.14	181.50	6.87		
	82.0	87.30	3.32	106.20	4.14	125.00	4.98	134.40	5.40	153.30	6.15	162.60	6.52	181.50	7.31		
	86.0	87.30	3.50	106.20	4.39	125.00	5.30	134.40	5.77	153.30	6.56	162.60	6.98	181.50	7.83		
	90.0	87.30	3.69	106.20	4.67	125.00	5.67	134.40	6.19	153.30	7.05	162.60	7.50	181.50	8.43		
	93.0	87.30	3.93	106.20	5.00	125.00	6.10	134.40	6.66	153.30	7.60	162.60	8.08	181.50	9.06		
	95.0	87.30	4.11	106.20	5.21	125.00	6.35	134.40	6.93	153.30	7.90	162.60	8.39	181.50	9.40		
	99.0	87.30	4.49	106.20	5.69	125.00	6.92	134.40	7.54	153.30	8.55	162.60	9.06	181.50	10.09		
	102.0	87.30	4.96	106.20	6.23	125.00	7.53	134.40	8.20	153.30	9.23	162.60	9.76	181.50	10.82		
	106.0	87.30	5.44	106.20	6.79	125.00	8.19	134.40	8.91	153.30	9.99	162.60	10.53	181.50	11.60		
	111.0	87.30	6.33	106.20	7.85	125.00	9.41	134.40	10.19	153.30	11.32	162.60	11.89	181.50	13.03		
115.0	87.30	7.03	106.20	8.66	125.00	10.33	134.40	11.19	149.90	11.96	155.60	12.13	165.60	12.28			
118.0	87.30	7.90	102.20	9.19	117.10	10.48	124.60	11.12	133.30	11.15	137.70	11.16	146.50	11.19			
120.0	87.30	8.14	96.10	8.95	108.50	10.02	114.60	10.55	123.40	10.56	127.90	10.58	137.00	10.65			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
70	23.0	76.50	2.08	92.90	2.54	109.40	3.01	117.60	3.25	134.10	3.62	142.30	3.81	158.70	4.19		
	27.0	76.50	2.10	92.90	2.57	109.40	3.04	117.60	3.27	134.10	3.65	142.30	3.84	158.70	4.21		
	32.0	76.50	2.14	92.90	2.61	109.40	3.08	117.60	3.31	134.10	3.69	142.30	3.88	158.70	4.25		
	37.0	76.50	2.18	92.90	2.64	109.40	3.11	117.60	3.35	134.10	3.73	142.30	3.92	158.70	4.30		
	41.0	76.50	2.20	92.90	2.67	109.40	3.15	117.60	3.38	134.10	3.76	142.30	3.95	158.70	4.34		
	46.0	76.50	2.26	92.90	2.73	109.40	3.20	117.60	3.44	134.10	3.83	142.30	4.02	158.70	4.39		
	50.0	76.50	2.34	92.90	2.80	109.40	3.25	117.60	3.48	134.10	3.86	142.30	4.06	158.70	4.44		
	54.0	76.50	2.38	92.90	2.84	109.40	3.30	117.60	3.53	134.10	3.92	142.30	4.11	158.70	4.49		
	57.0	76.50	2.42	92.90	2.89	109.40	3.35	117.60	3.58	134.10	3.98	142.30	4.18	158.70	4.58		
	61.0	76.50	2.47	92.90	2.94	109.40	3.41	117.60	3.66	134.10	4.07	142.30	4.27	158.70	4.69		
	64.0	76.50	2.52	92.90	3.01	109.40	3.50	117.60	3.74	134.10	4.18	142.30	4.39	158.70	4.82		
	68.0	76.50	2.56	92.90	3.08	109.40	3.60	117.60	3.86	134.10	4.30	142.30	4.53	158.70	5.00		
	72.0	76.50	2.62	92.90	3.16	109.40	3.72	117.60	4.00	134.10	4.48	142.30	4.72	158.70	5.21		
	75.0	76.50	2.68	92.90	3.27	109.40	3.87	117.60	4.16	134.10	4.69	142.30	4.96	158.70	5.51		
	79.0	76.50	2.77	92.90	3.41	109.40	4.05	117.60	4.37	134.10	4.95	142.30	5.25	158.70	5.84		
	82.0	76.50	2.87	92.90	3.57	109.40	4.27	117.60	4.63	134.10	5.25	142.30	5.56	158.70	6.19		
	86.0	76.50	3.01	92.90	3.76	109.40	4.51	117.60	4.90	134.10	5.56	142.30	5.89	158.70	6.58		
	90.0	76.50	3.17	92.90	3.98	109.40	4.81	117.60	5.21	134.10	5.94	142.30	6.31	158.70	7.07		
	93.0	76.50	3.37	92.90	4.25	109.40	5.14	117.60	5.58	134.10	6.38	142.30	6.78	158.70	7.59		
	95.0	76.50	3.53	92.90	4.42	109.40	5.34	117.60	5.81	134.10	6.63	142.30	7.04	158.70	7.89		
	99.0	76.50	3.85	92.90	4.82	109.40	5.81	117.60	6.31	134.10	7.17	142.30	7.61	158.70	8.48		
102.0	76.50	4.27	92.90	5.30	109.40	6.35	117.60	6.87	134.10	7.78	142.30	8.23	158.70	9.14			
106.0	76.50	4.65	92.90	5.77	109.40	6.92	117.60	7.52	134.10	8.46	142.30	8.93	158.70	9.87			
111.0	76.50	5.41	92.90	6.71	109.40	8.03	117.60	8.69	134.10	9.65	142.30	10.14	158.70	11.10			
115.0	76.50	6.03	92.90	7.43	109.40	8.87	117.60	9.60	134.00	10.58	141.80	11.02	156.30	11.78			
118.0	76.50	6.87	91.20	8.18	105.90	9.49	113.20	10.14	123.40	10.42	128.40	10.56	138.60	10.83			
120.0	76.50	7.08	84.30	8.25	98.20	9.47	105.20	10.09	115.00	10.21	119.90	10.28	130.00	10.42			
60	23.0	65.50	1.78	79.60	2.19	93.80	2.59	100.80	2.78	114.90	3.08	122.00	3.24	136.10	3.53		
	27.0	65.50	1.81	79.60	2.21	93.80	2.61	100.80	2.81	114.90	3.11	122.00	3.26	136.10	3.55		
	32.0	65.50	1.85	79.60	2.25	93.80	2.64	100.80	2.85	114.90	3.15	122.00	3.29	136.10	3.59		
	37.0	65.50	1.89	79.60	2.29	93.80	2.69	100.80	2.89	114.90	3.18	122.00	3.34	136.10	3.63		
	41.0	65.50	1.92	79.60	2.31	93.80	2.71	100.80	2.92	114.90	3.22	122.00	3.36	136.10	3.66		
	46.0	65.50	1.96	79.60	2.36	93.80	2.76	100.80	2.96	114.90	3.27	122.00	3.41	136.10	3.72		
	50.0	65.50	2.03	79.60	2.41	93.80	2.80	100.80	2.99	114.90	3.30	122.00	3.45	136.10	3.76		
	54.0	65.50	2.06	79.60	2.45	93.80	2.84	100.80	3.04	114.90	3.34	122.00	3.50	136.10	3.81		
	57.0	65.50	2.08	79.60	2.48	93.80	2.88	100.80	3.08	114.90	3.39	122.00	3.55	136.10	3.87		
	61.0	65.50	2.12	79.60	2.52	93.80	2.94	100.80	3.13	114.90	3.46	122.00	3.62	136.10	3.95		
	64.0	65.50	2.17	79.60	2.59	93.80	3.00	100.80	3.21	114.90	3.55	122.00	3.72	136.10	4.06		
	68.0	65.50	2.20	79.60	2.64	93.80	3.08	100.80	3.29	114.90	3.66	122.00	3.83	136.10	4.20		
	72.0	65.50	2.25	79.60	2.71	93.80	3.17	100.80	3.41	114.90	3.79	122.00	3.98	136.10	4.37		
	75.0	65.50	2.29	79.60	2.78	93.80	3.29	100.80	3.53	114.90	3.95	122.00	4.16	136.10	4.58		
	79.0	65.50	2.35	79.60	2.89	93.80	3.43	100.80	3.70	114.90	4.16	122.00	4.39	136.10	4.86		
	82.0	65.50	2.41	79.60	3.00	93.80	3.60	100.80	3.90	114.90	4.39	122.00	4.65	136.10	5.16		
	86.0	65.50	2.52	79.60	3.15	93.80	3.78	100.80	4.09	114.90	4.64	122.00	4.91	136.10	5.46		
	90.0	65.50	2.64	79.60	3.32	93.80	4.00	100.80	4.34	114.90	4.93	122.00	5.23	136.10	5.84		
	93.0	65.50	2.78	79.60	3.51	93.80	4.25	100.80	4.61	114.90	5.27	122.00	5.60	136.10	6.26		
	95.0	65.50	2.90	79.60	3.65	93.80	4.40	100.80	4.78	114.90	5.47	122.00	5.81	136.10	6.51		
	99.0	65.50	3.13	79.60	3.97	93.80	4.79	100.80	5.21	114.90	5.94	122.00	6.31	136.10	7.05		
102.0	65.50	3.48	79.60	4.36	93.80	5.25	100.80	5.70	114.90	6.47	122.00	6.86	136.10	7.64			
106.0	65.50	3.81	79.60	4.78	93.80	5.77	100.80	6.28	114.90	7.09	122.00	7.50	136.10	8.32			
111.0	65.50	4.46	79.60	5.59	93.80	6.73	100.80	7.31	114.90	8.17	122.00	8.60	136.10	9.46			
115.0	65.50	4.98	79.60	6.21	93.80	7.43	100.80	8.06	114.90	8.95	122.00	9.41	136.10	10.30			
118.0	65.50	5.72	78.80	6.91	92.00	8.10	98.60	8.69	109.60	9.27	115.00	9.56	126.00	10.14			
120.0	65.50	5.90	74.70	7.45	87.80	8.70	94.50	9.32	104.30	9.64	109.20	9.78	119.00	10.00			

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	54.60	1.49	66.30	1.82	78.10	2.15	84.00	2.32	95.70	2.55	101.70	2.66	113.40	2.88
	27.0	54.60	1.52	66.30	1.85	78.10	2.18	84.00	2.35	95.70	2.57	101.70	2.68	113.40	2.90
	32.0	54.60	1.56	66.30	1.89	78.10	2.22	84.00	2.38	95.70	2.60	101.70	2.71	113.40	2.94
	37.0	54.60	1.61	66.30	1.93	78.10	2.26	84.00	2.42	95.70	2.64	101.70	2.75	113.40	2.97
	41.0	54.60	1.63	66.30	1.96	78.10	2.29	84.00	2.45	95.70	2.66	101.70	2.78	113.40	2.99
	46.0	54.60	1.66	66.30	1.99	78.10	2.32	84.00	2.48	95.70	2.71	101.70	2.82	113.40	3.04
	50.0	54.60	1.71	66.30	2.03	78.10	2.34	84.00	2.50	95.70	2.73	101.70	2.85	113.40	3.08
	54.0	54.60	1.73	66.30	2.06	78.10	2.38	84.00	2.54	95.70	2.78	101.70	2.89	113.40	3.11
	57.0	54.60	1.75	66.30	2.08	78.10	2.41	84.00	2.59	95.70	2.82	101.70	2.94	113.40	3.17
	61.0	54.60	1.77	66.30	2.11	78.10	2.45	84.00	2.62	95.70	2.87	101.70	2.99	113.40	3.22
	64.0	54.60	1.80	66.30	2.15	78.10	2.50	84.00	2.68	95.70	2.92	101.70	3.04	113.40	3.29
	68.0	54.60	1.85	66.30	2.20	78.10	2.56	84.00	2.74	95.70	3.01	101.70	3.15	113.40	3.41
	72.0	54.60	1.89	66.30	2.25	78.10	2.62	84.00	2.81	95.70	3.11	101.70	3.25	113.40	3.55
	75.0	54.60	1.90	66.30	2.30	78.10	2.70	84.00	2.90	95.70	3.22	101.70	3.38	113.40	3.70
	79.0	54.60	1.92	66.30	2.37	78.10	2.81	84.00	3.04	95.70	3.39	101.70	3.56	113.40	3.90
	82.0	54.60	1.96	66.30	2.43	78.10	2.92	84.00	3.17	95.70	3.56	101.70	3.76	113.40	4.15
	86.0	54.60	2.01	66.30	2.54	78.10	3.06	84.00	3.31	95.70	3.74	101.70	3.97	113.40	4.40
	90.0	54.60	2.12	66.30	2.66	78.10	3.20	84.00	3.48	95.70	3.95	101.70	4.20	113.40	4.69
	93.0	54.60	2.20	66.30	2.78	78.10	3.37	84.00	3.66	95.70	4.20	101.70	4.48	113.40	5.02
	95.0	54.60	2.27	66.30	2.87	78.10	3.46	84.00	3.76	95.70	4.34	101.70	4.62	113.40	5.19
99.0	54.60	2.43	66.30	3.11	78.10	3.80	84.00	4.14	95.70	4.75	101.70	5.05	113.40	5.66	
102.0	54.60	2.68	66.30	3.43	78.10	4.18	84.00	4.55	95.70	5.21	101.70	5.53	113.40	6.19	
106.0	54.60	2.97	66.30	3.80	78.10	4.63	84.00	5.05	95.70	5.75	101.70	6.10	113.40	6.79	
111.0	54.60	3.51	66.30	4.49	78.10	5.47	84.00	5.96	95.70	6.73	101.70	7.12	113.40	7.89	
115.0	54.60	3.93	66.30	4.99	78.10	6.05	84.00	6.58	95.70	7.41	101.70	7.83	113.40	8.67	
118.0	54.60	4.56	66.30	5.63	78.10	6.72	84.00	7.26	95.70	8.13	101.70	8.57	113.40	9.44	
120.0	54.60	4.70	66.30	6.14	78.10	7.24	84.00	7.76	92.60	8.36	97.50	8.64	108.20	9.18	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	291.70	18.09	282.60	16.76	245.70	11.91	236.50	11.35	227.30	10.81
	57.0	53.0	291.70	19.62	282.60	18.22	245.70	13.04	236.50	12.37	227.30	11.73
	54.0	50.0	291.70	21.26	282.60	19.73	245.70	14.26	236.50	13.50	227.30	12.74
	51.0	47.0	291.70	23.00	282.60	21.44	245.70	15.61	236.50	14.70	227.30	13.82
	47.0	43.0	291.70	24.73	282.60	23.14	245.70	17.08	236.50	16.01	227.30	14.99
	44.0	40.0	291.70	26.51	282.60	24.89	245.70	18.67	236.50	17.45	227.30	16.28
	39.0	36.0	291.70	28.42	282.60	26.70	245.70	20.30	236.50	18.96	227.30	17.68
	35.0	32.0	291.70	30.35	282.60	28.59	245.70	21.93	236.50	20.50	227.30	19.11
	30.0	28.0	291.70	32.28	282.60	30.53	245.70	23.76	236.50	22.17	227.30	20.64
	26.0	24.0	291.70	34.21	282.60	32.46	245.70	25.58	236.50	23.92	227.30	22.29
	23.0	21.0	291.70	36.16	282.60	34.39	245.70	27.39	236.50	25.65	227.30	23.95
	19.0	18.0	290.70	37.95	282.60	36.34	245.70	29.23	236.50	27.41	227.30	25.63
	17.0	15.0	287.40	38.05	282.60	37.38	245.70	30.23	236.50	28.35	227.30	26.52
	13.0	12.0	279.80	37.97	279.80	38.71	245.70	32.21	236.50	30.28	227.30	28.38
	10.0	9.0	272.30	37.88	272.30	38.62	245.70	34.16	236.50	32.19	227.30	30.23
	6.0	5.0	260.90	37.75	260.90	38.50	245.70	37.10	236.50	35.08	227.30	33.08
	2.0	1.0	253.40	37.67	253.40	38.41	245.70	39.14	236.50	36.99	227.30	34.96
	-1.8	-2.2	245.70	37.58	245.70	38.32	245.70	41.31	236.50	39.13	227.30	36.98
	-3.6	-4.0	242.00	37.54	242.00	38.29	241.90	41.26	235.90	40.04	227.30	38.03
	-7.1	-7.6	234.50	37.45	234.50	38.20	234.30	41.18	228.40	39.95	222.40	38.73
-12.6	-13.0	223.10	37.33	223.10	38.07	223.00	41.05	217.00	39.83	211.10	38.60	
120	60.0	56.0	269.30	15.09	260.80	14.12	226.80	10.54	218.30	10.12	209.80	9.71
	57.0	53.0	269.30	16.39	260.80	15.33	226.80	11.44	218.30	10.93	209.80	10.45
	54.0	50.0	269.30	17.75	260.80	16.63	226.80	12.44	218.30	11.85	209.80	11.28
	51.0	47.0	269.30	19.26	260.80	18.02	226.80	13.55	218.30	12.86	209.80	12.19
	47.0	43.0	269.30	20.83	260.80	19.52	226.80	14.76	218.30	13.96	209.80	13.17
	44.0	40.0	269.30	22.41	260.80	21.05	226.80	16.05	218.30	15.13	209.80	14.24
	39.0	36.0	269.30	24.06	260.80	22.61	226.80	17.40	218.30	16.37	209.80	15.38
	35.0	32.0	269.30	25.82	260.80	24.27	226.80	18.75	218.30	17.64	209.80	16.56
	30.0	28.0	269.30	27.64	260.80	26.01	226.80	20.14	218.30	18.95	209.80	17.79
	26.0	24.0	269.30	29.52	260.80	27.82	226.80	21.68	218.30	20.39	209.80	19.13
	23.0	21.0	269.30	31.43	260.80	29.70	226.80	23.28	218.30	21.92	209.80	20.57
	19.0	18.0	269.30	33.33	260.80	31.59	226.80	24.90	218.30	23.48	209.80	22.07
	17.0	15.0	269.30	34.28	260.80	32.54	226.80	25.76	218.30	24.29	209.80	22.85
	13.0	12.0	269.30	36.28	260.80	34.44	226.80	27.57	218.30	26.03	209.80	24.50
	10.0	9.0	267.40	37.84	260.80	36.46	226.80	29.44	218.30	27.82	209.80	26.22
	6.0	5.0	256.10	37.72	254.80	37.86	226.80	32.24	218.30	30.56	209.80	28.90
	2.0	1.0	248.50	37.63	247.20	37.79	226.80	34.12	218.30	32.40	209.80	30.70
	-1.8	-2.2	241.00	37.54	239.60	37.70	226.80	36.12	218.30	34.32	209.80	32.53
	-3.6	-4.0	237.20	37.51	235.90	37.65	226.80	37.17	218.30	35.34	209.80	33.53
	-7.1	-7.6	229.60	37.42	228.30	37.57	223.00	38.16	216.70	36.92	209.80	35.54
-12.6	-13.0	218.30	37.29	217.00	37.44	211.70	38.04	205.30	36.80	199.00	35.57	
110	60.0	56.0	246.90	12.37	239.10	11.71	207.90	9.27	200.10	8.95	192.30	8.63
	57.0	53.0	246.90	13.43	239.10	12.68	207.90	9.95	200.10	9.58	192.30	9.21
	54.0	50.0	246.90	14.60	239.10	13.77	207.90	10.73	200.10	10.31	192.30	9.88
	51.0	47.0	246.90	15.86	239.10	14.95	207.90	11.62	200.10	11.12	192.30	10.63
	47.0	43.0	246.90	17.24	239.10	16.23	207.90	12.62	200.10	12.03	192.30	11.44
	44.0	40.0	246.90	18.69	239.10	17.59	207.90	13.67	200.10	12.99	192.30	12.32
	39.0	36.0	246.90	20.16	239.10	18.97	207.90	14.76	200.10	13.99	192.30	13.24
	35.0	32.0	246.90	21.69	239.10	20.37	207.90	15.84	200.10	15.01	192.30	14.19
	30.0	28.0	246.90	23.33	239.10	21.90	207.90	16.93	200.10	16.04	192.30	15.15
	26.0	24.0	246.90	25.03	239.10	23.53	207.90	18.09	200.10	17.13	192.30	16.19
	23.0	21.0	246.90	26.81	239.10	25.19	207.90	19.40	200.10	18.38	192.30	17.37
	19.0	18.0	246.90	28.68	239.10	26.99	207.90	20.84	200.10	19.75	192.30	18.67
	17.0	15.0	246.90	29.62	239.10	27.91	207.90	21.58	200.10	20.46	192.30	19.35
	13.0	12.0	246.90	31.51	239.10	29.78	207.90	23.18	200.10	21.99	192.30	20.80
	10.0	9.0	246.90	33.40	239.10	31.64	207.90	24.86	200.10	23.60	192.30	22.36
	6.0	5.0	246.90	36.41	239.10	34.51	207.90	27.53	200.10	26.18	192.30	24.84
	2.0	1.0	243.80	37.60	238.90	36.53	207.90	29.32	200.10	27.92	192.30	26.54
	-1.8	-2.2	236.20	37.51	233.60	37.06	207.90	31.15	200.10	29.71	192.30	28.28
	-3.6	-4.0	232.40	37.47	229.80	37.03	207.90	32.11	200.10	30.63	192.30	29.18
	-7.1	-7.6	224.90	37.38	222.20	36.94	207.90	34.10	200.10	32.58	192.30	31.08
-12.6	-13.0	213.50	37.26	210.90	36.81	200.40	35.01	193.60	33.77	186.90	32.54	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	224.50	9.82	217.40	9.45	189.00	8.08	182.00	7.85	174.80	7.60
	57.0	53.0	224.50	10.69	217.40	10.24	189.00	8.56	182.00	8.29	174.80	8.04
	54.0	50.0	224.50	11.67	217.40	11.13	189.00	9.14	182.00	8.84	174.80	8.55
	51.0	47.0	224.50	12.76	217.40	12.13	189.00	9.83	182.00	9.48	174.80	9.14
	47.0	43.0	224.50	13.94	217.40	13.23	189.00	10.63	182.00	10.21	174.80	9.80
	44.0	40.0	224.50	15.22	217.40	14.40	189.00	11.48	182.00	11.00	174.80	10.51
	39.0	36.0	224.50	16.57	217.40	15.64	189.00	12.33	182.00	11.78	174.80	11.23
	35.0	32.0	224.50	17.94	217.40	16.90	189.00	13.18	182.00	12.58	174.80	11.96
	30.0	28.0	224.50	19.36	217.40	18.16	189.00	14.03	182.00	13.37	174.80	12.71
	26.0	24.0	224.50	20.93	217.40	19.60	189.00	14.88	182.00	14.19	174.80	13.48
	23.0	21.0	224.50	22.55	217.40	21.11	189.00	15.84	182.00	15.10	174.80	14.37
	19.0	18.0	224.50	24.18	217.40	22.66	189.00	17.01	182.00	16.21	174.80	15.43
	17.0	15.0	224.50	25.05	217.40	23.48	189.00	17.65	182.00	16.83	174.80	16.00
	13.0	12.0	224.50	26.89	217.40	25.23	189.00	19.03	182.00	18.14	174.80	17.27
	10.0	9.0	224.50	28.77	217.40	27.05	189.00	20.52	182.00	19.58	174.80	18.64
	6.0	5.0	224.50	31.57	217.40	29.80	189.00	22.96	182.00	21.93	174.80	20.89
	2.0	1.0	224.50	33.47	217.40	31.64	189.00	24.66	182.00	23.58	174.80	22.49
	-1.8	-2.2	224.50	35.49	217.40	33.59	189.00	26.36	182.00	25.24	174.80	24.11
	-3.6	-4.0	224.50	36.53	217.40	34.62	189.00	27.21	182.00	26.08	174.80	24.93
	-7.1	-7.6	220.00	37.35	216.10	36.30	189.00	29.13	182.00	27.92	174.80	26.73
-12.6	-13.0	208.70	37.22	204.80	36.18	189.00	32.00	182.00	30.75	174.80	29.50	
90	60.0	56.0	202.00	8.54	195.60	8.25	170.10	7.16	163.80	6.97	157.30	6.79
	57.0	53.0	202.00	9.16	195.60	8.84	170.10	7.57	163.80	7.37	157.30	7.16
	54.0	50.0	202.00	9.88	195.60	9.50	170.10	8.05	163.80	7.81	157.30	7.58
	51.0	47.0	202.00	10.67	195.60	10.24	170.10	8.61	163.80	8.34	157.30	8.06
	47.0	43.0	202.00	11.52	195.60	11.05	170.10	9.26	163.80	8.93	157.30	8.61
	44.0	40.0	202.00	12.44	195.60	11.91	170.10	9.94	163.80	9.57	157.30	9.19
	39.0	36.0	202.00	13.44	195.60	12.84	170.10	10.62	163.80	10.20	157.30	9.79
	35.0	32.0	202.00	14.51	195.60	13.84	170.10	11.30	163.80	10.84	157.30	10.38
	30.0	28.0	202.00	15.63	195.60	14.86	170.10	12.03	163.80	11.52	157.30	11.02
	26.0	24.0	202.00	16.88	195.60	16.00	170.10	12.77	163.80	12.23	157.30	11.69
	23.0	21.0	202.00	18.21	195.60	17.24	170.10	13.59	163.80	13.02	157.30	12.45
	19.0	18.0	202.00	19.61	195.60	18.57	170.10	14.60	163.80	13.97	157.30	13.34
	17.0	15.0	202.00	20.34	195.60	19.26	170.10	15.15	163.80	14.49	157.30	13.84
	13.0	12.0	202.00	21.87	195.60	20.73	170.10	16.34	163.80	15.62	157.30	14.90
	10.0	9.0	202.00	23.50	195.60	22.28	170.10	17.63	163.80	16.86	157.30	16.08
	6.0	5.0	202.00	26.06	195.60	24.77	170.10	19.79	163.80	18.92	157.30	18.05
	2.0	1.0	202.00	27.83	195.60	26.49	170.10	21.31	163.80	20.39	157.30	19.47
	-1.8	-2.2	202.00	29.63	195.60	28.26	170.10	22.89	163.80	21.92	157.30	20.94
	-3.6	-4.0	202.00	30.56	195.60	29.16	170.10	23.69	163.80	22.70	157.30	21.71
	-7.1	-7.6	202.00	32.49	195.60	31.06	170.10	25.44	163.80	24.39	157.30	23.33
-12.6	-13.0	192.50	32.87	188.10	31.93	170.10	28.18	163.80	27.07	157.30	25.95	
80	60.0	56.0	179.60	7.31	173.90	7.09	151.20	6.23	145.60	6.10	139.80	5.97
	57.0	53.0	179.60	7.73	173.90	7.49	151.20	6.58	145.60	6.43	139.80	6.29
	54.0	50.0	179.60	8.20	173.90	7.95	151.20	6.95	145.60	6.79	139.80	6.62
	51.0	47.0	179.60	8.73	173.90	8.47	151.20	7.39	145.60	7.19	139.80	7.00
	47.0	43.0	179.60	9.29	173.90	9.01	151.20	7.89	145.60	7.65	139.80	7.42
	44.0	40.0	179.60	9.87	173.90	9.58	151.20	8.40	145.60	8.13	139.80	7.88
	39.0	36.0	179.60	10.54	173.90	10.22	151.20	8.91	145.60	8.63	139.80	8.34
	35.0	32.0	179.60	11.31	173.90	10.93	151.20	9.42	145.60	9.11	139.80	8.80
	30.0	28.0	179.60	12.16	173.90	11.72	151.20	10.01	145.60	9.67	139.80	9.32
	26.0	24.0	179.60	13.11	173.90	12.60	151.20	10.65	145.60	10.27	139.80	9.89
	23.0	21.0	179.60	14.15	173.90	13.59	151.20	11.36	145.60	10.95	139.80	10.53
	19.0	18.0	179.60	15.29	173.90	14.67	151.20	12.19	145.60	11.73	139.80	11.27
	17.0	15.0	179.60	15.90	173.90	15.24	151.20	12.65	145.60	12.16	139.80	11.67
	13.0	12.0	179.60	17.15	173.90	16.44	151.20	13.65	145.60	13.10	139.80	12.54
	10.0	9.0	179.60	18.50	173.90	17.74	151.20	14.76	145.60	14.14	139.80	13.53
	6.0	5.0	179.60	20.75	173.90	19.91	151.20	16.60	145.60	15.91	139.80	15.20
	2.0	1.0	179.60	22.33	173.90	21.44	151.20	17.97	145.60	17.20	139.80	16.44
	-1.8	-2.2	179.60	24.03	173.90	23.10	151.20	19.41	145.60	18.59	139.80	17.77
	-3.6	-4.0	179.60	24.89	173.90	23.93	151.20	20.18	145.60	19.33	139.80	18.48
	-7.1	-7.6	179.60	26.63	173.90	25.65	151.20	21.75	145.60	20.85	139.80	19.95
-12.6	-13.0	176.40	28.51	171.30	27.68	151.20	24.36	145.60	23.37	139.80	22.39	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM168*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	157.10	6.22	152.10	6.04	132.30	5.35	127.40	5.26	122.30	5.16
	57.0	53.0	157.10	6.52	152.10	6.34	132.30	5.65	127.40	5.54	122.30	5.42
	54.0	50.0	157.10	6.84	152.10	6.66	132.30	5.95	127.40	5.83	122.30	5.69
	51.0	47.0	157.10	7.23	152.10	7.03	132.30	6.29	127.40	6.15	122.30	5.99
	47.0	43.0	157.10	7.60	152.10	7.42	132.30	6.68	127.40	6.50	122.30	6.33
	44.0	40.0	157.10	8.01	152.10	7.81	132.30	7.05	127.40	6.87	122.30	6.68
	39.0	36.0	157.10	8.48	152.10	8.27	132.30	7.44	127.40	7.25	122.30	7.05
	35.0	32.0	157.10	9.02	152.10	8.79	132.30	7.85	127.40	7.64	122.30	7.42
	30.0	28.0	157.10	9.66	152.10	9.39	132.30	8.34	127.40	8.10	122.30	7.86
	26.0	24.0	157.10	10.37	152.10	10.08	132.30	8.87	127.40	8.60	122.30	8.33
	23.0	21.0	157.10	11.18	152.10	10.83	132.30	9.44	127.40	9.14	122.30	8.84
	19.0	18.0	157.10	12.07	152.10	11.67	132.30	10.10	127.40	9.77	122.30	9.44
	17.0	15.0	157.10	12.56	152.10	12.14	132.30	10.47	127.40	10.12	122.30	9.76
	13.0	12.0	157.10	13.55	152.10	13.09	132.30	11.29	127.40	10.88	122.30	10.47
	10.0	9.0	157.10	14.65	152.10	14.15	132.30	12.17	127.40	11.71	122.30	11.25
	6.0	5.0	157.10	16.49	152.10	15.93	132.30	13.69	127.40	13.15	122.30	12.60
	2.0	1.0	157.10	17.82	152.10	17.22	132.30	14.83	127.40	14.24	122.30	13.64
	-1.8	-2.2	157.10	19.31	152.10	18.67	132.30	16.09	127.40	15.43	122.30	14.78
	-3.6	-4.0	157.10	20.09	152.10	19.42	132.30	16.77	127.40	16.09	122.30	15.40
	-7.1	-7.6	157.10	21.63	152.10	20.94	132.30	18.14	127.40	17.40	122.30	16.67
-12.6	-13.0	157.10	24.04	152.10	23.33	132.30	20.49	127.40	19.66	122.30	18.83	
60	60.0	56.0	134.70	5.21	130.40	5.07	113.40	4.52	109.20	4.45	104.90	4.36
	57.0	53.0	134.70	5.46	130.40	5.33	113.40	4.78	109.20	4.68	104.90	4.59
	54.0	50.0	134.70	5.74	130.40	5.60	113.40	5.03	109.20	4.92	104.90	4.82
	51.0	47.0	134.70	6.03	130.40	5.88	113.40	5.31	109.20	5.19	104.90	5.07
	47.0	43.0	134.70	6.33	130.40	6.18	113.40	5.61	109.20	5.47	104.90	5.33
	44.0	40.0	134.70	6.68	130.40	6.52	113.40	5.90	109.20	5.76	104.90	5.62
	39.0	36.0	134.70	7.07	130.40	6.91	113.40	6.24	109.20	6.08	104.90	5.93
	35.0	32.0	134.70	7.51	130.40	7.32	113.40	6.59	109.20	6.43	104.90	6.26
	30.0	28.0	134.70	7.98	130.40	7.78	113.40	7.00	109.20	6.81	104.90	6.62
	26.0	24.0	134.70	8.52	130.40	8.31	113.40	7.42	109.20	7.21	104.90	7.00
	23.0	21.0	134.70	9.12	130.40	8.88	113.40	7.87	109.20	7.64	104.90	7.41
	19.0	18.0	134.70	9.78	130.40	9.49	113.40	8.36	109.20	8.11	104.90	7.86
	17.0	15.0	134.70	10.12	130.40	9.82	113.40	8.63	109.20	8.36	104.90	8.10
	13.0	12.0	134.70	10.85	130.40	10.53	113.40	9.25	109.20	8.95	104.90	8.65
	10.0	9.0	134.70	11.68	130.40	11.32	113.40	9.90	109.20	9.57	104.90	9.25
	6.0	5.0	134.70	13.11	130.40	12.69	113.40	11.03	109.20	10.65	104.90	10.26
	2.0	1.0	134.70	14.17	130.40	13.73	113.40	11.92	109.20	11.50	104.90	11.07
	-1.8	-2.2	134.70	15.39	130.40	14.90	113.40	12.92	109.20	12.44	104.90	11.96
	-3.6	-4.0	134.70	16.03	130.40	15.52	113.40	13.48	109.20	12.97	104.90	12.47
	-7.1	-7.6	134.70	17.34	130.40	16.80	113.40	14.61	109.20	14.06	104.90	13.50
-12.6	-13.0	134.70	19.45	130.40	18.87	113.40	16.56	109.20	15.93	104.90	15.29	
50	60.0	56.0	112.20	4.20	108.70	4.11	94.50	3.70	91.00	3.63	87.50	3.56
	57.0	53.0	112.20	4.41	108.70	4.32	94.50	3.91	91.00	3.83	87.50	3.75
	54.0	50.0	112.20	4.63	108.70	4.53	94.50	4.12	91.00	4.02	87.50	3.93
	51.0	47.0	112.20	4.84	108.70	4.74	94.50	4.34	91.00	4.23	87.50	4.13
	47.0	43.0	112.20	5.05	108.70	4.96	94.50	4.55	91.00	4.44	87.50	4.34
	44.0	40.0	112.20	5.35	108.70	5.24	94.50	4.76	91.00	4.66	87.50	4.55
	39.0	36.0	112.20	5.67	108.70	5.54	94.50	5.03	91.00	4.91	87.50	4.80
	35.0	32.0	112.20	5.99	108.70	5.86	94.50	5.35	91.00	5.21	87.50	5.09
	30.0	28.0	112.20	6.31	108.70	6.18	94.50	5.67	91.00	5.52	87.50	5.38
	26.0	24.0	112.20	6.66	108.70	6.53	94.50	5.98	91.00	5.83	87.50	5.67
	23.0	21.0	112.20	7.07	108.70	6.92	94.50	6.30	91.00	6.13	87.50	5.97
	19.0	18.0	112.20	7.48	108.70	7.31	94.50	6.62	91.00	6.45	87.50	6.29
	17.0	15.0	112.20	7.69	108.70	7.51	94.50	6.78	91.00	6.61	87.50	6.45
	13.0	12.0	112.20	8.15	108.70	7.97	94.50	7.21	91.00	7.02	87.50	6.84
	10.0	9.0	112.20	8.71	108.70	8.50	94.50	7.63	91.00	7.44	87.50	7.24
	6.0	5.0	112.20	9.72	108.70	9.46	94.50	8.38	91.00	8.15	87.50	7.92
	2.0	1.0	112.20	10.54	108.70	10.24	94.50	9.01	91.00	8.75	87.50	8.50
	-1.8	-2.2	112.20	11.46	108.70	11.12	94.50	9.76	91.00	9.46	87.50	9.16
	-3.6	-4.0	112.20	11.97	108.70	11.62	94.50	10.18	91.00	9.85	87.50	9.53
	-7.1	-7.6	112.20	13.06	108.70	12.66	94.50	11.09	91.00	10.72	87.50	10.35
-12.6	-13.0	112.20	14.86	108.70	14.42	94.50	12.63	91.00	12.19	87.50	11.75	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	23.0	162.20	4.16	197.20	5.42	232.20	6.68	249.60	7.32	284.60	8.22	302.00	8.68	337.00	9.58
	27.0	162.20	4.18	197.20	5.46	232.20	6.72	249.60	7.36	284.60	8.26	302.00	8.72	337.00	9.64
	32.0	162.20	4.26	197.20	5.54	232.20	6.80	249.60	7.44	284.60	8.34	302.00	8.80	337.00	9.72
	37.0	162.20	4.36	197.20	5.62	232.20	6.88	249.60	7.52	284.60	8.44	302.00	8.90	337.00	9.82
	41.0	162.20	4.42	197.20	5.68	232.20	6.94	249.60	7.58	284.60	8.50	302.00	8.98	337.00	9.94
	46.0	162.20	4.52	197.20	5.80	232.20	7.06	249.60	7.70	284.60	8.68	302.00	9.18	337.00	10.18
	50.0	162.20	4.64	197.20	5.90	232.20	7.16	249.60	7.80	284.60	8.84	302.00	9.36	337.00	10.42
	54.0	162.20	4.80	197.20	6.08	232.20	7.34	249.60	7.98	284.60	9.06	302.00	9.62	337.00	10.72
	57.0	162.20	4.96	197.20	6.24	232.20	7.52	249.60	8.18	284.60	9.32	302.00	9.90	335.20	10.98
	61.0	162.20	5.10	197.20	6.42	232.20	7.78	249.60	8.44	284.60	9.62	302.00	10.22	333.40	11.30
	64.0	162.20	5.32	197.20	6.68	232.20	8.04	249.60	8.72	284.60	9.96	302.00	10.60	331.40	11.70
	68.0	162.20	5.54	197.20	6.92	232.20	8.36	249.60	9.08	284.60	10.42	302.00	11.14	329.60	12.26
	72.0	162.20	5.78	197.20	7.22	232.20	8.74	249.60	9.54	284.60	10.98	302.00	11.78	327.60	12.98
	75.0	162.20	6.00	197.20	7.52	232.20	9.20	249.60	10.10	284.60	11.70	302.00	12.56	325.60	13.84
	79.0	162.20	6.30	197.20	7.96	232.20	9.78	249.60	10.76	284.60	12.50	302.00	13.46	323.80	14.84
	82.0	162.20	6.62	197.20	8.42	232.20	10.42	249.60	11.50	284.60	13.48	302.00	14.54	321.80	15.90
	86.0	162.20	7.00	197.20	9.02	232.20	11.18	249.60	12.42	284.60	14.54	302.00	15.68	320.00	17.10
	90.0	162.20	7.56	197.20	9.62	232.20	12.12	249.60	13.42	284.60	15.62	301.40	16.86	318.00	18.46
	93.0	162.20	8.00	197.20	10.52	232.20	13.08	249.60	14.40	284.60	16.90	299.40	18.16	316.00	19.76
	95.0	162.20	8.46	197.20	11.00	232.20	13.56	249.60	14.92	284.60	17.62	298.40	18.80	315.20	20.00
99.0	162.20	9.36	197.20	11.92	232.20	14.62	249.60	16.18	284.60	19.08	296.60	20.12	305.80	19.78	
102.0	162.20	10.26	197.20	12.84	232.20	15.90	249.60	17.54	278.80	19.88	281.00	19.50	284.00	18.52	
106.0	162.20	11.08	197.20	14.02	232.20	17.28	249.60	19.02	257.60	18.72	259.00	18.22	262.20	17.28	
111.0	162.20	12.76	197.20	16.06	218.80	17.90	221.40	17.74	224.40	16.76	226.00	16.30	229.60	15.40	
115.0	162.20	14.10	190.60	16.80	196.00	16.50	198.60	16.34	202.20	15.44	204.00	15.02	208.00	14.16	
118.0	162.20	15.70	167.60	15.40	173.20	15.10	175.80	14.94	180.00	14.14	182.00	13.72	186.20	12.92	
120.0	158.96	15.86	159.22	15.08	163.20	14.72	164.40	14.30	168.60	13.46	170.80	13.06	175.40	12.30	
120	23.0	149.80	3.88	182.00	5.00	214.20	6.12	230.40	6.68	262.60	7.52	278.80	7.94	311.00	8.78
	27.0	149.80	3.90	182.00	5.02	214.20	6.16	230.40	6.72	262.60	7.56	278.80	7.98	311.00	8.82
	32.0	149.80	3.96	182.00	5.10	214.20	6.22	230.40	6.78	262.60	7.64	278.80	8.06	311.00	8.90
	37.0	149.80	4.06	182.00	5.18	214.20	6.30	230.40	6.88	262.60	7.72	278.80	8.14	311.00	8.98
	41.0	149.80	4.12	182.00	5.24	214.20	6.36	230.40	6.92	262.60	7.78	278.80	8.20	311.00	9.08
	46.0	149.80	4.20	182.00	5.34	214.20	6.48	230.40	7.04	262.60	7.92	278.80	8.36	311.00	9.26
	50.0	149.80	4.32	182.00	5.44	214.20	6.56	230.40	7.12	262.60	8.06	278.80	8.54	311.00	9.48
	54.0	149.80	4.44	182.00	5.58	214.20	6.70	230.40	7.28	262.60	8.24	278.80	8.74	311.00	9.72
	57.0	149.80	4.56	182.00	5.70	214.20	6.86	230.40	7.44	262.60	8.46	278.80	8.96	311.00	10.00
	61.0	149.80	4.68	182.00	5.86	214.20	7.06	230.40	7.68	262.60	8.72	278.80	9.24	311.00	10.32
	64.0	149.80	4.86	182.00	6.06	214.20	7.30	230.40	7.92	262.60	9.02	278.80	9.58	311.00	10.74
	68.0	149.80	5.02	182.00	6.28	214.20	7.56	230.40	8.22	262.60	9.40	278.80	10.00	311.00	11.28
	72.0	149.80	5.22	182.00	6.54	214.20	7.90	230.40	8.60	262.60	9.86	278.80	10.54	311.00	11.96
	75.0	149.80	5.44	182.00	6.82	214.20	8.30	230.40	9.08	262.60	10.46	278.80	11.20	311.00	12.80
	79.0	149.80	5.72	182.00	7.22	214.20	8.82	230.40	9.68	262.60	11.18	278.80	12.02	311.00	13.82
	82.0	149.80	6.02	182.00	7.64	214.20	9.42	230.40	10.36	262.60	12.04	278.80	12.96	311.00	14.92
	86.0	149.80	6.38	182.00	8.16	214.20	10.12	230.40	11.18	262.60	13.02	278.80	14.00	311.00	16.10
	90.0	149.80	6.82	182.00	8.74	214.20	10.92	230.40	12.10	262.60	14.06	278.80	15.08	311.00	17.36
	93.0	149.80	7.24	182.00	9.48	214.20	11.84	230.40	13.08	262.60	15.10	278.80	16.26	309.40	18.62
	95.0	149.80	7.62	182.00	9.90	214.20	12.30	230.40	13.56	262.60	15.70	278.80	16.90	308.40	19.24
99.0	149.80	8.40	182.00	10.76	214.20	13.26	230.40	14.62	262.60	16.96	278.80	18.22	301.80	19.72	
102.0	149.80	9.18	182.00	11.66	214.20	14.38	230.40	15.80	262.60	18.28	275.00	19.14	280.20	18.50	
106.0	149.80	10.04	182.00	12.72	214.20	15.58	230.40	17.06	252.40	18.42	254.60	18.06	258.60	17.26	
111.0	149.80	11.60	182.00	14.50	211.20	17.20	216.20	17.38	219.80	16.54	221.80	16.14	226.00	15.38	
115.0	149.80	12.82	180.40	15.68	189.40	15.92	193.60	16.00	197.60	15.22	199.80	14.86	204.20	14.14	
118.0	149.80	14.16	158.20	14.34	166.60	14.52	170.80	14.60	175.40	13.92	177.80	13.58	182.40	12.88	
120.0	146.80	14.30	150.29	14.04	157.80	14.18	159.40	13.94	164.00	13.24	166.40	12.90	171.60	12.26	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
110	23.0	137.20	3.58	166.80	4.58	196.40	5.56	211.20	6.04	240.80	6.82	255.60	7.20	285.20	7.96		
	27.0	137.20	3.62	166.80	4.60	196.40	5.58	211.20	6.08	240.80	6.84	255.60	7.24	285.20	8.00		
	32.0	137.20	3.66	166.80	4.66	196.40	5.64	211.20	6.14	240.80	6.92	255.60	7.30	285.20	8.08		
	37.0	137.20	3.74	166.80	4.74	196.40	5.72	211.20	6.22	240.80	7.00	255.60	7.38	285.20	8.16		
	41.0	137.20	3.80	166.80	4.80	196.40	5.78	211.20	6.28	240.80	7.06	255.60	7.44	285.20	8.22		
	46.0	137.20	3.90	166.80	4.88	196.40	5.88	211.20	6.38	240.80	7.16	255.60	7.56	285.20	8.36		
	50.0	137.20	4.00	166.80	4.98	196.40	5.96	211.20	6.44	240.80	7.28	255.60	7.70	285.20	8.52		
	54.0	137.20	4.08	166.80	5.08	196.40	6.08	211.20	6.58	240.80	7.44	255.60	7.86	285.20	8.74		
	57.0	137.20	4.16	166.80	5.18	196.40	6.20	211.20	6.72	240.80	7.60	255.60	8.06	285.20	8.96		
	61.0	137.20	4.26	166.80	5.32	196.40	6.38	211.20	6.90	240.80	7.82	255.60	8.28	285.20	9.22		
	64.0	137.20	4.38	166.80	5.46	196.40	6.56	211.20	7.12	240.80	8.08	255.60	8.56	285.20	9.58		
	68.0	137.20	4.50	166.80	5.62	196.40	6.78	211.20	7.36	240.80	8.38	255.60	8.92	285.20	10.02		
	72.0	137.20	4.66	166.80	5.86	196.40	7.06	211.20	7.70	240.80	8.78	255.60	9.36	285.20	10.56		
	75.0	137.20	4.86	166.80	6.12	196.40	7.42	211.20	8.08	240.80	9.28	255.60	9.92	285.20	11.26		
	79.0	137.20	5.14	166.80	6.46	196.40	7.88	211.20	8.60	240.80	9.92	255.60	10.62	285.20	12.14		
	82.0	137.20	5.42	166.80	6.86	196.40	8.42	211.20	9.24	240.80	10.70	255.60	11.48	285.20	13.14		
	86.0	137.20	5.74	166.80	7.34	196.40	9.06	211.20	10.00	240.80	11.58	255.60	12.40	285.20	14.18		
	90.0	137.20	6.10	166.80	7.84	196.40	9.78	211.20	10.84	240.80	12.52	255.60	13.42	285.20	15.24		
	93.0	137.20	6.50	166.80	8.48	196.40	10.62	211.20	11.74	240.80	13.52	255.60	14.44	285.20	16.36		
	95.0	137.20	6.78	166.80	8.84	196.40	11.06	211.20	12.24	240.80	14.02	255.60	14.96	285.20	16.96		
	99.0	137.20	7.42	166.80	9.64	196.40	11.98	211.20	13.20	240.80	15.08	255.60	16.08	285.20	18.22		
	102.0	137.20	8.12	166.80	10.48	196.40	12.96	211.20	14.22	240.80	16.22	255.60	17.26	285.20	19.44		
	106.0	137.20	8.98	166.80	11.46	196.40	14.00	211.20	15.32	240.40	17.36	249.40	17.78	254.80	17.22		
	111.0	137.20	10.46	166.80	13.04	196.20	15.66	209.40	16.84	215.20	16.30	217.40	15.98	222.20	15.36		
115.0	137.20	11.52	166.40	14.12	182.80	15.32	188.60	15.66	193.00	15.00	195.40	14.70	200.40	14.10			
118.0	137.20	12.62	148.60	13.28	160.00	13.94	165.80	14.26	171.00	13.70	173.60	13.42	178.80	12.86			
120.0	135.83	12.88	141.17	13.00	152.40	13.66	154.40	13.60	159.40	13.02	162.20	12.74	167.80	12.24			
100	23.0	124.80	3.30	151.60	4.14	178.60	4.98	192.00	5.42	218.80	6.12	232.40	6.46	259.20	7.16		
	27.0	124.80	3.32	151.60	4.18	178.60	5.02	192.00	5.44	218.80	6.14	232.40	6.50	259.20	7.20		
	32.0	124.80	3.36	151.60	4.22	178.60	5.08	192.00	5.50	218.80	6.20	232.40	6.56	259.20	7.26		
	37.0	124.80	3.44	151.60	4.30	178.60	5.14	192.00	5.58	218.80	6.28	232.40	6.64	259.20	7.34		
	41.0	124.80	3.50	151.60	4.36	178.60	5.20	192.00	5.64	218.80	6.34	232.40	6.68	259.20	7.38		
	46.0	124.80	3.58	151.60	4.44	178.60	5.30	192.00	5.72	218.80	6.42	232.40	6.78	259.20	7.48		
	50.0	124.80	3.68	151.60	4.52	178.60	5.36	192.00	5.78	218.80	6.50	232.40	6.86	259.20	7.58		
	54.0	124.80	3.70	151.60	4.58	178.60	5.44	192.00	5.88	218.80	6.62	232.40	7.00	259.20	7.74		
	57.0	124.80	3.78	151.60	4.66	178.60	5.54	192.00	5.98	218.80	6.76	232.40	7.14	259.20	7.92		
	61.0	124.80	3.84	151.60	4.76	178.60	5.68	192.00	6.14	218.80	6.94	232.40	7.34	259.20	8.14		
	64.0	124.80	3.92	151.60	4.88	178.60	5.84	192.00	6.32	218.80	7.16	232.40	7.58	259.20	8.44		
	68.0	124.80	3.98	151.60	5.00	178.60	6.02	192.00	6.54	218.80	7.42	232.40	7.88	259.20	8.82		
	72.0	124.80	4.10	151.60	5.18	178.60	6.26	192.00	6.80	218.80	7.74	232.40	8.24	259.20	9.26		
	75.0	124.80	4.30	151.60	5.42	178.60	6.56	192.00	7.14	218.80	8.16	232.40	8.70	259.20	9.82		
	79.0	124.80	4.54	151.60	5.72	178.60	6.94	192.00	7.56	218.80	8.70	232.40	9.28	259.20	10.56		
	82.0	124.80	4.82	151.60	6.10	178.60	7.44	192.00	8.14	218.80	9.40	232.40	10.06	259.20	11.44		
	86.0	124.80	5.10	151.60	6.52	178.60	8.04	192.00	8.86	218.80	10.20	232.40	10.90	259.20	12.40		
	90.0	124.80	5.38	151.60	6.98	178.60	8.70	192.00	9.62	218.80	11.06	232.40	11.80	259.20	13.42		
	93.0	124.80	5.74	151.60	7.52	178.60	9.44	192.00	10.44	218.80	12.00	232.40	12.80	259.20	14.36		
	95.0	124.80	5.96	151.60	7.82	178.60	9.84	192.00	10.90	218.80	12.50	232.40	13.26	259.20	14.82		
	99.0	124.80	6.46	151.60	8.54	178.60	10.74	192.00	11.88	218.80	13.42	232.40	14.20	259.20	15.84		
	102.0	124.80	7.04	151.60	9.32	178.60	11.64	192.00	12.80	218.80	14.38	232.40	15.20	259.20	16.96		
	106.0	124.80	7.92	151.60	10.24	178.60	12.66	192.00	13.72	218.80	15.40	232.40	16.26	251.00	17.20		
	111.0	124.80	9.32	151.60	11.66	178.60	14.02	192.00	15.22	210.00	16.02	213.20	15.82	218.40	15.32		
115.0	124.80	10.22	151.60	12.58	175.20	14.62	183.40	15.32	188.60	14.78	191.20	14.54	196.80	14.08			
118.0	124.80	11.10	139.20	12.22	153.40	13.36	160.60	13.92	166.40	13.48	169.20	13.26	175.00	12.82			
120.0	123.55	11.32	132.24	11.96	147.00	13.14	149.20	13.26	155.00	12.80	158.00	12.60	164.20	12.22			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
90	23.0	112.40	3.00	136.60	3.74	160.80	4.48	172.80	4.84	197.00	5.46	209.00	5.76	233.20	6.36		
	27.0	112.40	3.02	136.60	3.76	160.80	4.50	172.80	4.86	197.00	5.48	209.00	5.78	233.20	6.40		
	32.0	112.40	3.06	136.60	3.80	160.80	4.54	172.80	4.92	197.00	5.54	209.00	5.84	233.20	6.46		
	37.0	112.40	3.12	136.60	3.86	160.80	4.62	172.80	4.98	197.00	5.60	209.00	5.90	233.20	6.52		
	41.0	112.40	3.18	136.60	3.92	160.80	4.66	172.80	5.04	197.00	5.64	209.00	5.96	233.20	6.56		
	46.0	112.40	3.26	136.60	4.00	160.80	4.74	172.80	5.12	197.00	5.74	209.00	6.04	233.20	6.66		
	50.0	112.40	3.34	136.60	4.08	160.80	4.80	172.80	5.16	197.00	5.80	209.00	6.12	233.20	6.74		
	54.0	112.40	3.38	136.60	4.14	160.80	4.88	172.80	5.26	197.00	5.90	209.00	6.22	233.20	6.86		
	57.0	112.40	3.46	136.60	4.20	160.80	4.96	172.80	5.34	197.00	6.00	209.00	6.34	233.20	7.00		
	61.0	112.40	3.52	136.60	4.30	160.80	5.08	172.80	5.48	197.00	6.16	209.00	6.50	233.20	7.20		
	64.0	112.40	3.58	136.60	4.40	160.80	5.22	172.80	5.62	197.00	6.34	209.00	6.70	233.20	7.44		
	68.0	112.40	3.64	136.60	4.50	160.80	5.38	172.80	5.80	197.00	6.56	209.00	6.94	233.20	7.74		
	72.0	112.40	3.74	136.60	4.66	160.80	5.58	172.80	6.04	197.00	6.84	209.00	7.26	233.20	8.12		
	75.0	112.40	3.90	136.60	4.86	160.80	5.82	172.80	6.32	197.00	7.20	209.00	7.64	233.20	8.58		
	79.0	112.40	4.10	136.60	5.10	160.80	6.16	172.80	6.68	197.00	7.64	209.00	8.12	233.20	9.12		
	82.0	112.40	4.32	136.60	5.40	160.80	6.56	172.80	7.14	197.00	8.16	209.00	8.70	233.20	9.80		
	86.0	112.40	4.56	136.60	5.76	160.80	7.04	172.80	7.70	197.00	8.80	209.00	9.38	233.20	10.58		
	90.0	112.40	4.80	136.60	6.14	160.80	7.58	172.80	8.32	197.00	9.50	209.00	10.12	233.20	11.42		
	93.0	112.40	5.12	136.60	6.62	160.80	8.18	172.80	9.00	197.00	10.28	209.00	10.94	233.20	12.30		
	95.0	112.40	5.32	136.60	6.88	160.80	8.52	172.80	9.38	197.00	10.70	209.00	11.38	233.20	12.72		
99.0	112.40	5.80	136.60	7.52	160.80	9.30	172.80	10.22	197.00	11.56	209.00	12.24	233.20	13.60			
102.0	112.40	6.36	136.60	8.20	160.80	10.10	172.80	11.06	197.00	12.44	209.00	13.14	233.20	14.56			
106.0	112.40	7.06	136.60	8.98	160.80	10.96	172.80	11.96	197.00	13.38	209.00	14.12	233.20	15.66			
111.0	112.40	8.28	136.60	10.32	160.80	12.38	172.80	13.46	196.40	14.94	205.00	15.32	214.60	15.30			
115.0	112.40	9.14	136.60	11.24	160.00	13.36	171.20	14.36	180.60	14.32	185.00	14.26	193.00	14.06			
118.0	112.40	10.06	128.00	11.36	143.60	12.66	151.40	13.32	159.40	13.12	163.40	13.02	171.20	12.82			
120.0	112.40	10.38	121.60	11.12	135.40	12.30	140.00	12.66	148.00	12.44	152.00	12.34	160.40	12.20			
80	23.0	99.80	2.68	121.40	3.32	142.80	3.96	153.60	4.26	175.20	4.78	185.80	5.04	207.40	5.56		
	27.0	99.80	2.72	121.40	3.36	142.80	3.98	153.60	4.30	175.20	4.82	185.80	5.08	207.40	5.60		
	32.0	99.80	2.76	121.40	3.40	142.80	4.02	153.60	4.34	175.20	4.86	185.80	5.12	207.40	5.64		
	37.0	99.80	2.82	121.40	3.44	142.80	4.08	153.60	4.40	175.20	4.92	185.80	5.18	207.40	5.70		
	41.0	99.80	2.84	121.40	3.48	142.80	4.12	153.60	4.44	175.20	4.96	185.80	5.22	207.40	5.76		
	46.0	99.80	2.92	121.40	3.56	142.80	4.20	153.60	4.52	175.20	5.04	185.80	5.30	207.40	5.82		
	50.0	99.80	3.02	121.40	3.64	142.80	4.26	153.60	4.56	175.20	5.10	185.80	5.36	207.40	5.90		
	54.0	99.80	3.08	121.40	3.70	142.80	4.32	153.60	4.62	175.20	5.16	185.80	5.44	207.40	5.98		
	57.0	99.80	3.12	121.40	3.76	142.80	4.38	153.60	4.70	175.20	5.26	185.80	5.54	207.40	6.08		
	61.0	99.80	3.18	121.40	3.84	142.80	4.48	153.60	4.82	175.20	5.38	185.80	5.68	207.40	6.24		
	64.0	99.80	3.26	121.40	3.92	142.80	4.60	153.60	4.94	175.20	5.54	185.80	5.84	207.40	6.44		
	68.0	99.80	3.30	121.40	4.02	142.80	4.74	153.60	5.10	175.20	5.72	185.80	6.04	207.40	6.68		
	72.0	99.80	3.38	121.40	4.14	142.80	4.90	153.60	5.28	175.20	5.96	185.80	6.30	207.40	7.00		
	75.0	99.80	3.50	121.40	4.30	142.80	5.12	153.60	5.52	175.20	6.26	185.80	6.64	207.40	7.40		
	79.0	99.80	3.64	121.40	4.50	142.80	5.38	153.60	5.82	175.20	6.62	185.80	7.02	207.40	7.86		
	82.0	99.80	3.80	121.40	4.74	142.80	5.70	153.60	6.18	175.20	7.04	185.80	7.46	207.40	8.36		
	86.0	99.80	4.00	121.40	5.02	142.80	6.06	153.60	6.60	175.20	7.50	185.80	7.98	207.40	8.96		
	90.0	99.80	4.22	121.40	5.34	142.80	6.48	153.60	7.08	175.20	8.06	185.80	8.58	207.40	9.64		
	93.0	99.80	4.50	121.40	5.72	142.80	6.98	153.60	7.62	175.20	8.70	185.80	9.24	207.40	10.36		
	95.0	99.80	4.70	121.40	5.96	142.80	7.26	153.60	7.92	175.20	9.04	185.80	9.60	207.40	10.76		
99.0	99.80	5.14	121.40	6.50	142.80	7.92	153.60	8.62	175.20	9.78	185.80	10.36	207.40	11.54			
102.0	99.80	5.68	121.40	7.12	142.80	8.62	153.60	9.38	175.20	10.56	185.80	11.16	207.40	12.38			
106.0	99.80	6.22	121.40	7.76	142.80	9.36	153.60	10.20	175.20	11.42	185.80	12.04	207.40	13.26			
111.0	99.80	7.24	121.40	8.98	142.80	10.76	153.60	11.66	175.20	12.94	185.80	13.60	207.40	14.90			
115.0	99.80	8.04	121.40	9.90	142.80	11.82	153.60	12.80	171.40	13.68	177.80	13.88	189.20	14.04			
118.0	99.80	9.04	116.80	10.52	133.80	11.98	142.40	12.72	152.40	12.76	157.40	12.76	167.40	12.80			
120.0	99.80	9.32	109.80	10.24	124.00	11.46	131.00	12.06	141.00	12.08	146.20	12.10	156.60	12.18			

- 1) The performance table shows the average value of each conditions.
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9. Capacity Table

AM192*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	23.0	87.40	2.38	106.20	2.90	125.00	3.44	134.40	3.72	153.20	4.14	162.60	4.36	181.40	4.80
	27.0	87.40	2.40	106.20	2.94	125.00	3.48	134.40	3.74	153.20	4.18	162.60	4.40	181.40	4.82
	32.0	87.40	2.44	106.20	2.98	125.00	3.52	134.40	3.78	153.20	4.22	162.60	4.44	181.40	4.86
	37.0	87.40	2.50	106.20	3.02	125.00	3.56	134.40	3.84	153.20	4.26	162.60	4.48	181.40	4.92
	41.0	87.40	2.52	106.20	3.06	125.00	3.60	134.40	3.86	153.20	4.30	162.60	4.52	181.40	4.96
	46.0	87.40	2.58	106.20	3.12	125.00	3.66	134.40	3.94	153.20	4.38	162.60	4.60	181.40	5.02
	50.0	87.40	2.68	106.20	3.20	125.00	3.72	134.40	3.98	153.20	4.42	162.60	4.64	181.40	5.08
	54.0	87.40	2.72	106.20	3.24	125.00	3.78	134.40	4.04	153.20	4.48	162.60	4.70	181.40	5.14
	57.0	87.40	2.76	106.20	3.30	125.00	3.84	134.40	4.10	153.20	4.56	162.60	4.78	181.40	5.24
	61.0	87.40	2.82	106.20	3.36	125.00	3.90	134.40	4.18	153.20	4.66	162.60	4.88	181.40	5.36
	64.0	87.40	2.88	106.20	3.44	125.00	4.00	134.40	4.28	153.20	4.78	162.60	5.02	181.40	5.52
	68.0	87.40	2.92	106.20	3.52	125.00	4.12	134.40	4.42	153.20	4.92	162.60	5.18	181.40	5.72
	72.0	87.40	3.00	106.20	3.62	125.00	4.26	134.40	4.58	153.20	5.12	162.60	5.40	181.40	5.96
	75.0	87.40	3.06	106.20	3.74	125.00	4.42	134.40	4.76	153.20	5.36	162.60	5.68	181.40	6.30
	79.0	87.40	3.16	106.20	3.90	125.00	4.64	134.40	5.00	153.20	5.66	162.60	6.00	181.40	6.68
	82.0	87.40	3.28	106.20	4.08	125.00	4.88	134.40	5.30	153.20	6.00	162.60	6.36	181.40	7.08
	86.0	87.40	3.44	106.20	4.30	125.00	5.16	134.40	5.60	153.20	6.36	162.60	6.74	181.40	7.52
	90.0	87.40	3.62	106.20	4.56	125.00	5.50	134.40	5.96	153.20	6.80	162.60	7.22	181.40	8.08
	93.0	87.40	3.86	106.20	4.86	125.00	5.88	134.40	6.38	153.20	7.30	162.60	7.76	181.40	8.68
	95.0	87.40	4.04	106.20	5.06	125.00	6.10	134.40	6.64	153.20	7.58	162.60	8.06	181.40	9.02
99.0	87.40	4.40	106.20	5.52	125.00	6.64	134.40	7.22	153.20	8.20	162.60	8.70	181.40	9.70	
102.0	87.40	4.88	106.20	6.06	125.00	7.26	134.40	7.86	153.20	8.90	162.60	9.42	181.40	10.46	
106.0	87.40	5.32	106.20	6.60	125.00	7.92	134.40	8.60	153.20	9.68	162.60	10.22	181.40	11.28	
111.0	87.40	6.18	106.20	7.68	125.00	9.18	134.40	9.94	153.20	11.04	162.60	11.60	181.40	12.70	
115.0	87.40	6.90	106.20	8.50	125.00	10.14	134.40	10.98	153.20	12.10	162.00	12.60	178.60	13.48	
118.0	87.40	7.86	104.20	9.36	121.00	10.86	129.40	11.60	141.00	11.92	146.80	12.08	158.40	12.38	
120.0	87.40	8.10	96.40	9.44	112.20	10.84	120.20	11.54	131.40	11.68	137.00	11.76	148.60	11.92	
60	23.0	74.80	2.04	91.00	2.50	107.20	2.96	115.20	3.18	131.40	3.52	139.40	3.70	155.60	4.04
	27.0	74.80	2.08	91.00	2.52	107.20	2.98	115.20	3.22	131.40	3.56	139.40	3.72	155.60	4.06
	32.0	74.80	2.12	91.00	2.58	107.20	3.02	115.20	3.26	131.40	3.60	139.40	3.76	155.60	4.10
	37.0	74.80	2.16	91.00	2.62	107.20	3.08	115.20	3.30	131.40	3.64	139.40	3.82	155.60	4.16
	41.0	74.80	2.20	91.00	2.64	107.20	3.10	115.20	3.34	131.40	3.68	139.40	3.84	155.60	4.18
	46.0	74.80	2.24	91.00	2.70	107.20	3.16	115.20	3.38	131.40	3.74	139.40	3.90	155.60	4.26
	50.0	74.80	2.32	91.00	2.76	107.20	3.20	115.20	3.42	131.40	3.78	139.40	3.94	155.60	4.30
	54.0	74.80	2.36	91.00	2.80	107.20	3.24	115.20	3.48	131.40	3.82	139.40	4.00	155.60	4.36
	57.0	74.80	2.38	91.00	2.84	107.20	3.30	115.20	3.52	131.40	3.88	139.40	4.06	155.60	4.42
	61.0	74.80	2.42	91.00	2.88	107.20	3.36	115.20	3.58	131.40	3.96	139.40	4.14	155.60	4.52
	64.0	74.80	2.48	91.00	2.96	107.20	3.44	115.20	3.68	131.40	4.06	139.40	4.26	155.60	4.64
	68.0	74.80	2.52	91.00	3.02	107.20	3.52	115.20	3.76	131.40	4.18	139.40	4.38	155.60	4.80
	72.0	74.80	2.58	91.00	3.10	107.20	3.62	115.20	3.90	131.40	4.34	139.40	4.56	155.60	5.00
	75.0	74.80	2.62	91.00	3.18	107.20	3.76	115.20	4.04	131.40	4.52	139.40	4.76	155.60	5.24
	79.0	74.80	2.68	91.00	3.30	107.20	3.92	115.20	4.24	131.40	4.76	139.40	5.02	155.60	5.56
	82.0	74.80	2.76	91.00	3.44	107.20	4.12	115.20	4.46	131.40	5.02	139.40	5.32	155.60	5.90
	86.0	74.80	2.88	91.00	3.60	107.20	4.32	115.20	4.68	131.40	5.30	139.40	5.62	155.60	6.24
	90.0	74.80	3.02	91.00	3.80	107.20	4.58	115.20	4.96	131.40	5.64	139.40	5.98	155.60	6.68
	93.0	74.80	3.18	91.00	4.02	107.20	4.86	115.20	5.28	131.40	6.02	139.40	6.40	155.60	7.16
	95.0	74.80	3.32	91.00	4.18	107.20	5.04	115.20	5.46	131.40	6.26	139.40	6.64	155.60	7.44
99.0	74.80	3.58	91.00	4.54	107.20	5.48	115.20	5.96	131.40	6.80	139.40	7.22	155.60	8.06	
102.0	74.80	3.98	91.00	4.98	107.20	6.00	115.20	6.52	131.40	7.40	139.40	7.84	155.60	8.74	
106.0	74.80	4.36	91.00	5.46	107.20	6.60	115.20	7.18	131.40	8.10	139.40	8.58	155.60	9.52	
111.0	74.80	5.10	91.00	6.40	107.20	7.70	115.20	8.36	131.40	9.34	139.40	9.84	155.60	10.82	
115.0	74.80	5.70	91.00	7.10	107.20	8.50	115.20	9.22	131.40	10.24	139.40	10.76	155.60	11.78	
118.0	74.80	6.54	90.00	7.90	105.20	9.26	112.60	9.94	125.20	10.60	131.40	10.94	144.00	11.60	
120.0	74.80	6.74	85.40	8.52	100.40	9.96	108.00	10.66	119.20	11.02	124.80	11.18	136.00	11.44	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	62.40	1.70	75.80	2.08	89.20	2.46	96.00	2.66	109.40	2.92	116.20	3.04	129.60	3.30
	27.0	62.40	1.74	75.80	2.12	89.20	2.50	96.00	2.68	109.40	2.94	116.20	3.06	129.60	3.32
	32.0	62.40	1.78	75.80	2.16	89.20	2.54	96.00	2.72	109.40	2.98	116.20	3.10	129.60	3.36
	37.0	62.40	1.84	75.80	2.20	89.20	2.58	96.00	2.76	109.40	3.02	116.20	3.14	129.60	3.40
	41.0	62.40	1.86	75.80	2.24	89.20	2.62	96.00	2.80	109.40	3.04	116.20	3.18	129.60	3.42
	46.0	62.40	1.90	75.80	2.28	89.20	2.66	96.00	2.84	109.40	3.10	116.20	3.22	129.60	3.48
	50.0	62.40	1.96	75.80	2.32	89.20	2.68	96.00	2.86	109.40	3.12	116.20	3.26	129.60	3.52
	54.0	62.40	1.98	75.80	2.36	89.20	2.72	96.00	2.90	109.40	3.18	116.20	3.30	129.60	3.56
	57.0	62.40	2.00	75.80	2.38	89.20	2.76	96.00	2.96	109.40	3.22	116.20	3.36	129.60	3.62
	61.0	62.40	2.02	75.80	2.42	89.20	2.80	96.00	3.00	109.40	3.28	116.20	3.42	129.60	3.68
	64.0	62.40	2.06	75.80	2.46	89.20	2.86	96.00	3.06	109.40	3.34	116.20	3.48	129.60	3.76
	68.0	62.40	2.12	75.80	2.52	89.20	2.92	96.00	3.14	109.40	3.44	116.20	3.60	129.60	3.90
	72.0	62.40	2.16	75.80	2.58	89.20	3.00	96.00	3.22	109.40	3.56	116.20	3.72	129.60	4.06
	75.0	62.40	2.18	75.80	2.64	89.20	3.08	96.00	3.32	109.40	3.68	116.20	3.86	129.60	4.24
	79.0	62.40	2.20	75.80	2.72	89.20	3.22	96.00	3.48	109.40	3.88	116.20	4.08	129.60	4.46
	82.0	62.40	2.24	75.80	2.78	89.20	3.34	96.00	3.62	109.40	4.08	116.20	4.30	129.60	4.74
	86.0	62.40	2.30	75.80	2.90	89.20	3.50	96.00	3.78	109.40	4.28	116.20	4.54	129.60	5.04
	90.0	62.40	2.42	75.80	3.04	89.20	3.66	96.00	3.98	109.40	4.52	116.20	4.80	129.60	5.36
	93.0	62.40	2.52	75.80	3.18	89.20	3.86	96.00	4.18	109.40	4.80	116.20	5.12	129.60	5.74
	95.0	62.40	2.60	75.80	3.28	89.20	3.96	96.00	4.30	109.40	4.96	116.20	5.28	129.60	5.94
99.0	62.40	2.78	75.80	3.56	89.20	4.34	96.00	4.74	109.40	5.44	116.20	5.78	129.60	6.48	
102.0	62.40	3.06	75.80	3.92	89.20	4.78	96.00	5.20	109.40	5.96	116.20	6.32	129.60	7.08	
106.0	62.40	3.40	75.80	4.34	89.20	5.30	96.00	5.78	109.40	6.58	116.20	6.98	129.60	7.76	
111.0	62.40	4.02	75.80	5.14	89.20	6.26	96.00	6.82	109.40	7.70	116.20	8.14	129.60	9.02	
115.0	62.40	4.50	75.80	5.70	89.20	6.92	96.00	7.52	109.40	8.48	116.20	8.96	129.60	9.92	
118.0	62.40	5.22	75.80	6.44	89.20	7.68	96.00	8.30	109.40	9.30	116.20	9.80	129.60	10.80	
120.0	62.40	5.38	75.80	7.02	89.20	8.28	96.00	8.88	105.80	9.56	111.40	9.88	123.60	10.50	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	333.40	20.42	323.00	18.92	280.80	13.44	270.20	12.82	259.80	12.20
	57.0	53.0	333.40	22.14	323.00	20.56	280.80	14.72	270.20	13.96	259.80	13.24
	54.0	50.0	333.40	24.00	323.00	22.28	280.80	16.10	270.20	15.24	259.80	14.38
	51.0	47.0	333.40	25.96	323.00	24.20	280.80	17.62	270.20	16.60	259.80	15.60
	47.0	43.0	333.40	27.92	323.00	26.12	280.80	19.28	270.20	18.08	259.80	16.92
	44.0	40.0	333.40	29.92	323.00	28.10	280.80	21.08	270.20	19.70	259.80	18.38
	39.0	36.0	333.40	32.08	323.00	30.14	280.80	22.92	270.20	21.40	259.80	19.96
	35.0	32.0	333.40	34.26	323.00	32.28	280.80	24.76	270.20	23.14	259.80	21.58
	30.0	28.0	333.40	36.44	323.00	34.46	280.80	26.82	270.20	25.02	259.80	23.30
	26.0	24.0	333.40	38.62	323.00	36.64	280.80	28.88	270.20	27.00	259.80	25.16
	23.0	21.0	333.40	40.82	323.00	38.82	280.80	30.92	270.20	28.96	259.80	27.04
	19.0	18.0	332.20	42.84	323.00	41.02	280.80	33.00	270.20	30.94	259.80	28.94
	17.0	15.0	328.40	42.96	323.00	42.20	280.80	34.12	270.20	32.00	259.80	29.94
	13.0	12.0	319.80	42.86	319.80	43.70	280.80	36.36	270.20	34.18	259.80	32.04
	10.0	9.0	311.20	42.76	311.20	43.60	280.80	38.56	270.20	36.34	259.80	34.12
	6.0	5.0	298.20	42.62	298.20	43.46	280.80	41.88	270.20	39.60	259.80	37.34
	2.0	1.0	289.60	42.52	289.60	43.36	280.80	44.18	270.20	41.76	259.80	39.46
	-1.8	-2.2	280.80	42.42	280.80	43.26	280.80	46.64	270.20	44.18	259.80	41.74
	-3.6	-4.0	276.60	42.38	276.60	43.22	276.40	46.58	269.60	45.20	259.80	42.94
	-7.1	-7.6	268.00	42.28	268.00	43.12	267.80	46.48	261.00	45.10	254.20	43.72
-12.6	-13.0	255.00	42.14	255.00	42.98	254.80	46.34	248.00	44.96	241.20	43.58	
120	60.0	56.0	307.80	17.04	298.00	15.94	259.20	11.90	249.40	11.42	239.80	10.96
	57.0	53.0	307.80	18.50	298.00	17.30	259.20	12.92	249.40	12.34	239.80	11.80
	54.0	50.0	307.80	20.04	298.00	18.78	259.20	14.04	249.40	13.38	239.80	12.74
	51.0	47.0	307.80	21.74	298.00	20.34	259.20	15.30	249.40	14.52	239.80	13.76
	47.0	43.0	307.80	23.52	298.00	22.04	259.20	16.66	249.40	15.76	239.80	14.86
	44.0	40.0	307.80	25.30	298.00	23.76	259.20	18.12	249.40	17.08	239.80	16.08
	39.0	36.0	307.80	27.16	298.00	25.52	259.20	19.64	249.40	18.48	239.80	17.36
	35.0	32.0	307.80	29.14	298.00	27.40	259.20	21.16	249.40	19.92	239.80	18.70
	30.0	28.0	307.80	31.20	298.00	29.36	259.20	22.74	249.40	21.40	239.80	20.08
	26.0	24.0	307.80	33.32	298.00	31.40	259.20	24.48	249.40	23.02	239.80	21.60
	23.0	21.0	307.80	35.48	298.00	33.52	259.20	26.28	249.40	24.74	239.80	23.22
	19.0	18.0	307.80	37.62	298.00	35.66	259.20	28.10	249.40	26.50	239.80	24.92
	17.0	15.0	307.80	38.70	298.00	36.74	259.20	29.08	249.40	27.42	239.80	25.80
	13.0	12.0	307.80	40.96	298.00	38.88	259.20	31.12	249.40	29.38	239.80	27.66
	10.0	9.0	305.60	42.72	298.00	41.16	259.20	33.24	249.40	31.40	239.80	29.60
	6.0	5.0	292.60	42.58	291.20	42.74	259.20	36.40	249.40	34.50	239.80	32.62
	2.0	1.0	284.00	42.48	282.60	42.66	259.20	38.52	249.40	36.58	239.80	34.66
	-1.8	-2.2	275.40	42.38	273.80	42.56	259.20	40.78	249.40	38.74	239.80	36.72
	-3.6	-4.0	271.00	42.34	269.60	42.50	259.20	41.96	249.40	39.90	239.80	37.86
	-7.1	-7.6	262.40	42.24	261.00	42.42	254.80	43.08	247.60	41.68	239.80	40.12
-12.6	-13.0	249.40	42.10	248.00	42.26	242.00	42.94	234.60	41.54	227.40	40.16	
110	60.0	56.0	282.20	13.96	273.20	13.22	237.60	10.46	228.60	10.10	219.80	9.74
	57.0	53.0	282.20	15.16	273.20	14.32	237.60	11.24	228.60	10.82	219.80	10.40
	54.0	50.0	282.20	16.48	273.20	15.54	237.60	12.12	228.60	11.64	219.80	11.16
	51.0	47.0	282.20	17.90	273.20	16.88	237.60	13.12	228.60	12.56	219.80	12.00
	47.0	43.0	282.20	19.46	273.20	18.32	237.60	14.24	228.60	13.58	219.80	12.92
	44.0	40.0	282.20	21.10	273.20	19.86	237.60	15.44	228.60	14.66	219.80	13.90
	39.0	36.0	282.20	22.76	273.20	21.42	237.60	16.66	228.60	15.80	219.80	14.94
	35.0	32.0	282.20	24.48	273.20	23.00	237.60	17.88	228.60	16.94	219.80	16.02
	30.0	28.0	282.20	26.34	273.20	24.72	237.60	19.12	228.60	18.10	219.80	17.10
	26.0	24.0	282.20	28.26	273.20	26.56	237.60	20.42	228.60	19.34	219.80	18.28
	23.0	21.0	282.20	30.26	273.20	28.44	237.60	21.90	228.60	20.74	219.80	19.60
	19.0	18.0	282.20	32.38	273.20	30.46	237.60	23.52	228.60	22.30	219.80	21.08
	17.0	15.0	282.20	33.44	273.20	31.50	237.60	24.36	228.60	23.10	219.80	21.84
	13.0	12.0	282.20	35.58	273.20	33.62	237.60	26.16	228.60	24.82	219.80	23.48
	10.0	9.0	282.20	37.70	273.20	35.72	237.60	28.06	228.60	26.64	219.80	25.24
	6.0	5.0	282.20	41.10	273.20	38.96	237.60	31.08	228.60	29.56	219.80	28.04
	2.0	1.0	278.60	42.44	273.00	41.24	237.60	33.10	228.60	31.52	219.80	29.96
	-1.8	-2.2	270.00	42.34	267.00	41.84	237.60	35.16	228.60	33.54	219.80	31.92
	-3.6	-4.0	265.60	42.30	262.60	41.80	237.60	36.24	228.60	34.58	219.80	32.94
	-7.1	-7.6	257.00	42.20	254.00	41.70	237.60	38.50	228.60	36.78	219.80	35.08
-12.6	-13.0	244.00	42.06	241.00	41.56	229.00	39.52	221.20	38.12	213.60	36.74	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	256.60	11.08	248.40	10.66	216.00	9.12	208.00	8.86	199.80	8.58
	57.0	53.0	256.60	12.06	248.40	11.56	216.00	9.66	208.00	9.36	199.80	9.08
	54.0	50.0	256.60	13.18	248.40	12.56	216.00	10.32	208.00	9.98	199.80	9.66
	51.0	47.0	256.60	14.40	248.40	13.70	216.00	11.10	208.00	10.70	199.80	10.32
	47.0	43.0	256.60	15.74	248.40	14.94	216.00	12.00	208.00	11.52	199.80	11.06
	44.0	40.0	256.60	17.18	248.40	16.26	216.00	12.96	208.00	12.42	199.80	11.86
	39.0	36.0	256.60	18.70	248.40	17.66	216.00	13.92	208.00	13.30	199.80	12.68
	35.0	32.0	256.60	20.26	248.40	19.08	216.00	14.88	208.00	14.20	199.80	13.50
	30.0	28.0	256.60	21.86	248.40	20.50	216.00	15.84	208.00	15.10	199.80	14.34
	26.0	24.0	256.60	23.62	248.40	22.12	216.00	16.80	208.00	16.02	199.80	15.22
	23.0	21.0	256.60	25.46	248.40	23.84	216.00	17.88	208.00	17.04	199.80	16.22
	19.0	18.0	256.60	27.30	248.40	25.58	216.00	19.20	208.00	18.30	199.80	17.42
	17.0	15.0	256.60	28.28	248.40	26.50	216.00	19.92	208.00	19.00	199.80	18.06
	13.0	12.0	256.60	30.36	248.40	28.48	216.00	21.48	208.00	20.48	199.80	19.50
	10.0	9.0	256.60	32.48	248.40	30.54	216.00	23.16	208.00	22.10	199.80	21.04
	6.0	5.0	256.60	35.64	248.40	33.64	216.00	25.92	208.00	24.76	199.80	23.58
	2.0	1.0	256.60	37.78	248.40	35.72	216.00	27.84	208.00	26.62	199.80	25.38
	-1.8	-2.2	256.60	40.06	248.40	37.92	216.00	29.76	208.00	28.50	199.80	27.22
	-3.6	-4.0	256.60	41.24	248.40	39.08	216.00	30.72	208.00	29.44	199.80	28.14
	-7.1	-7.6	251.40	42.16	247.00	40.98	216.00	32.88	208.00	31.52	199.80	30.18
-12.6	-13.0	238.60	42.02	234.00	40.84	216.00	36.12	208.00	34.72	199.80	33.30	
90	60.0	56.0	230.80	9.64	223.60	9.32	194.40	8.08	187.20	7.86	179.80	7.66
	57.0	53.0	230.80	10.34	223.60	9.98	194.40	8.54	187.20	8.32	179.80	8.08
	54.0	50.0	230.80	11.16	223.60	10.72	194.40	9.08	187.20	8.82	179.80	8.56
	51.0	47.0	230.80	12.04	223.60	11.56	194.40	9.72	187.20	9.42	179.80	9.10
	47.0	43.0	230.80	13.00	223.60	12.48	194.40	10.46	187.20	10.08	179.80	9.72
	44.0	40.0	230.80	14.04	223.60	13.44	194.40	11.22	187.20	10.80	179.80	10.38
	39.0	36.0	230.80	15.18	223.60	14.50	194.40	11.98	187.20	11.52	179.80	11.06
	35.0	32.0	230.80	16.38	223.60	15.62	194.40	12.76	187.20	12.24	179.80	11.72
	30.0	28.0	230.80	17.64	223.60	16.78	194.40	13.58	187.20	13.00	179.80	12.44
	26.0	24.0	230.80	19.06	223.60	18.06	194.40	14.42	187.20	13.80	179.80	13.20
	23.0	21.0	230.80	20.56	223.60	19.46	194.40	15.34	187.20	14.70	179.80	14.06
	19.0	18.0	230.80	22.14	223.60	20.96	194.40	16.48	187.20	15.78	179.80	15.06
	17.0	15.0	230.80	22.96	223.60	21.74	194.40	17.10	187.20	16.36	179.80	15.62
	13.0	12.0	230.80	24.68	223.60	23.40	194.40	18.44	187.20	17.64	179.80	16.82
	10.0	9.0	230.80	26.52	223.60	25.16	194.40	19.90	187.20	19.04	179.80	18.16
	6.0	5.0	230.80	29.42	223.60	27.96	194.40	22.34	187.20	21.36	179.80	20.38
	2.0	1.0	230.80	31.42	223.60	29.90	194.40	24.06	187.20	23.02	179.80	21.98
	-1.8	-2.2	230.80	33.44	223.60	31.90	194.40	25.84	187.20	24.74	179.80	23.64
	-3.6	-4.0	230.80	34.50	223.60	32.92	194.40	26.74	187.20	25.62	179.80	24.50
	-7.1	-7.6	230.80	36.68	223.60	35.06	194.40	28.72	187.20	27.54	179.80	26.34
-12.6	-13.0	220.00	37.10	215.00	36.04	194.40	31.82	187.20	30.56	179.80	29.30	
80	60.0	56.0	205.20	8.26	198.80	8.00	172.80	7.04	166.40	6.88	159.80	6.74
	57.0	53.0	205.20	8.72	198.80	8.46	172.80	7.42	166.40	7.26	159.80	7.10
	54.0	50.0	205.20	9.26	198.80	8.98	172.80	7.84	166.40	7.66	159.80	7.48
	51.0	47.0	205.20	9.86	198.80	9.56	172.80	8.34	166.40	8.12	159.80	7.90
	47.0	43.0	205.20	10.48	198.80	10.18	172.80	8.90	166.40	8.64	159.80	8.38
	44.0	40.0	205.20	11.14	198.80	10.82	172.80	9.48	166.40	9.18	159.80	8.90
	39.0	36.0	205.20	11.90	198.80	11.54	172.80	10.06	166.40	9.74	159.80	9.42
	35.0	32.0	205.20	12.76	198.80	12.34	172.80	10.64	166.40	10.28	159.80	9.94
	30.0	28.0	205.20	13.72	198.80	13.24	172.80	11.30	166.40	10.92	159.80	10.52
	26.0	24.0	205.20	14.80	198.80	14.22	172.80	12.02	166.40	11.60	159.80	11.16
	23.0	21.0	205.20	15.98	198.80	15.34	172.80	12.82	166.40	12.36	159.80	11.88
	19.0	18.0	205.20	17.26	198.80	16.56	172.80	13.76	166.40	13.24	159.80	12.72
	17.0	15.0	205.20	17.94	198.80	17.20	172.80	14.28	166.40	13.72	159.80	13.18
	13.0	12.0	205.20	19.36	198.80	18.56	172.80	15.40	166.40	14.78	159.80	14.16
	10.0	9.0	205.20	20.88	198.80	20.02	172.80	16.66	166.40	15.96	159.80	15.28
	6.0	5.0	205.20	23.42	198.80	22.48	172.80	18.74	166.40	17.96	159.80	17.16
	2.0	1.0	205.20	25.20	198.80	24.20	172.80	20.28	166.40	19.42	159.80	18.56
	-1.8	-2.2	205.20	27.12	198.80	26.08	172.80	21.92	166.40	20.98	159.80	20.06
	-3.6	-4.0	205.20	28.10	198.80	27.02	172.80	22.78	166.40	21.82	159.80	20.86
	-7.1	-7.6	205.20	30.06	198.80	28.96	172.80	24.56	166.40	23.54	159.80	22.52
-12.6	-13.0	201.60	32.18	195.80	31.24	172.80	27.50	166.40	26.38	159.80	25.28	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM192*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	179.60	7.02	173.80	6.82	151.20	6.04	145.60	5.94	139.80	5.82
	57.0	53.0	179.60	7.36	173.80	7.16	151.20	6.38	145.60	6.26	139.80	6.12
	54.0	50.0	179.60	7.72	173.80	7.52	151.20	6.72	145.60	6.58	139.80	6.42
	51.0	47.0	179.60	8.16	173.80	7.94	151.20	7.10	145.60	6.94	139.80	6.76
	47.0	43.0	179.60	8.58	173.80	8.38	151.20	7.54	145.60	7.34	139.80	7.14
	44.0	40.0	179.60	9.04	173.80	8.82	151.20	7.96	145.60	7.76	139.80	7.54
	39.0	36.0	179.60	9.58	173.80	9.34	151.20	8.40	145.60	8.18	139.80	7.96
	35.0	32.0	179.60	10.18	173.80	9.92	151.20	8.86	145.60	8.62	139.80	8.38
	30.0	28.0	179.60	10.90	173.80	10.60	151.20	9.42	145.60	9.14	139.80	8.88
	26.0	24.0	179.60	11.70	173.80	11.38	151.20	10.02	145.60	9.70	139.80	9.40
	23.0	21.0	179.60	12.62	173.80	12.22	151.20	10.66	145.60	10.32	139.80	9.98
	19.0	18.0	179.60	13.62	173.80	13.18	151.20	11.40	145.60	11.02	139.80	10.66
	17.0	15.0	179.60	14.18	173.80	13.70	151.20	11.82	145.60	11.42	139.80	11.02
	13.0	12.0	179.60	15.30	173.80	14.78	151.20	12.74	145.60	12.28	139.80	11.82
	10.0	9.0	179.60	16.54	173.80	15.98	151.20	13.74	145.60	13.22	139.80	12.70
	6.0	5.0	179.60	18.62	173.80	17.98	151.20	15.46	145.60	14.84	139.80	14.22
	2.0	1.0	179.60	20.12	173.80	19.44	151.20	16.74	145.60	16.08	139.80	15.40
	-1.8	-2.2	179.60	21.80	173.80	21.08	151.20	18.16	145.60	17.42	139.80	16.68
	-3.6	-4.0	179.60	22.68	173.80	21.92	151.20	18.94	145.60	18.16	139.80	17.38
	-7.1	-7.6	179.60	24.42	173.80	23.64	151.20	20.48	145.60	19.64	139.80	18.82
-12.6	-13.0	179.60	27.14	173.80	26.34	151.20	23.14	145.60	22.20	139.80	21.26	
60	60.0	56.0	154.00	5.88	149.00	5.72	129.60	5.10	124.80	5.02	119.80	4.92
	57.0	53.0	154.00	6.16	149.00	6.02	129.60	5.40	124.80	5.28	119.80	5.18
	54.0	50.0	154.00	6.48	149.00	6.32	129.60	5.68	124.80	5.56	119.80	5.44
	51.0	47.0	154.00	6.80	149.00	6.64	129.60	6.00	124.80	5.86	119.80	5.72
	47.0	43.0	154.00	7.14	149.00	6.98	129.60	6.34	124.80	6.18	119.80	6.02
	44.0	40.0	154.00	7.54	149.00	7.36	129.60	6.66	124.80	6.50	119.80	6.34
	39.0	36.0	154.00	7.98	149.00	7.80	129.60	7.04	124.80	6.86	119.80	6.70
	35.0	32.0	154.00	8.48	149.00	8.26	129.60	7.44	124.80	7.26	119.80	7.06
	30.0	28.0	154.00	9.00	149.00	8.78	129.60	7.90	124.80	7.68	119.80	7.48
	26.0	24.0	154.00	9.62	149.00	9.38	129.60	8.38	124.80	8.14	119.80	7.90
	23.0	21.0	154.00	10.30	149.00	10.02	129.60	8.88	124.80	8.62	119.80	8.36
	19.0	18.0	154.00	11.04	149.00	10.72	129.60	9.44	124.80	9.16	119.80	8.88
	17.0	15.0	154.00	11.42	149.00	11.08	129.60	9.74	124.80	9.44	119.80	9.14
	13.0	12.0	154.00	12.24	149.00	11.88	129.60	10.44	124.80	10.10	119.80	9.76
	10.0	9.0	154.00	13.18	149.00	12.78	129.60	11.18	124.80	10.80	119.80	10.44
	6.0	5.0	154.00	14.80	149.00	14.32	129.60	12.46	124.80	12.02	119.80	11.58
	2.0	1.0	154.00	16.00	149.00	15.50	129.60	13.46	124.80	12.98	119.80	12.50
	-1.8	-2.2	154.00	17.38	149.00	16.82	129.60	14.58	124.80	14.04	119.80	13.50
	-3.6	-4.0	154.00	18.10	149.00	17.52	129.60	15.22	124.80	14.64	119.80	14.08
	-7.1	-7.6	154.00	19.58	149.00	18.96	129.60	16.50	124.80	15.88	119.80	15.24
-12.6	-13.0	154.00	21.96	149.00	21.30	129.60	18.70	124.80	17.98	119.80	17.26	
50	60.0	56.0	128.20	4.74	124.20	4.64	108.00	4.18	104.00	4.10	100.00	4.02
	57.0	53.0	128.20	4.98	124.20	4.88	108.00	4.42	104.00	4.32	100.00	4.24
	54.0	50.0	128.20	5.22	124.20	5.12	108.00	4.66	104.00	4.54	100.00	4.44
	51.0	47.0	128.20	5.46	124.20	5.36	108.00	4.90	104.00	4.78	100.00	4.66
	47.0	43.0	128.20	5.70	124.20	5.60	108.00	5.14	104.00	5.02	100.00	4.90
	44.0	40.0	128.20	6.04	124.20	5.92	108.00	5.38	104.00	5.26	100.00	5.14
	39.0	36.0	128.20	6.40	124.20	6.26	108.00	5.68	104.00	5.54	100.00	5.42
	35.0	32.0	128.20	6.76	124.20	6.62	108.00	6.04	104.00	5.88	100.00	5.74
	30.0	28.0	128.20	7.12	124.20	6.98	108.00	6.40	104.00	6.24	100.00	6.08
	26.0	24.0	128.20	7.52	124.20	7.38	108.00	6.76	104.00	6.58	100.00	6.40
	23.0	21.0	128.20	7.98	124.20	7.82	108.00	7.12	104.00	6.92	100.00	6.74
	19.0	18.0	128.20	8.44	124.20	8.26	108.00	7.48	104.00	7.28	100.00	7.10
	17.0	15.0	128.20	8.68	124.20	8.48	108.00	7.66	104.00	7.46	100.00	7.28
	13.0	12.0	128.20	9.20	124.20	9.00	108.00	8.14	104.00	7.92	100.00	7.72
	10.0	9.0	128.20	9.84	124.20	9.60	108.00	8.62	104.00	8.40	100.00	8.18
	6.0	5.0	128.20	10.98	124.20	10.68	108.00	9.46	104.00	9.20	100.00	8.94
	2.0	1.0	128.20	11.90	124.20	11.56	108.00	10.18	104.00	9.88	100.00	9.60
	-1.8	-2.2	128.20	12.94	124.20	12.56	108.00	11.02	104.00	10.68	100.00	10.34
	-3.6	-4.0	128.20	13.52	124.20	13.12	108.00	11.50	104.00	11.12	100.00	10.76
	-7.1	-7.6	128.20	14.74	124.20	14.30	108.00	12.52	104.00	12.10	100.00	11.68
-12.6	-13.0	128.20	16.78	124.20	16.28	108.00	14.26	104.00	13.76	100.00	13.26	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	23.0	182.40	4.68	221.70	6.09	261.00	7.50	280.80	8.22	320.10	9.24	339.90	9.75	379.20	10.77
	27.0	182.40	4.71	221.70	6.12	261.00	7.56	280.80	8.25	320.10	9.27	339.90	9.78	379.20	10.83
	32.0	182.40	4.77	221.70	6.21	261.00	7.65	280.80	8.34	320.10	9.36	339.90	9.90	379.20	10.92
	37.0	182.40	4.89	221.70	6.33	261.00	7.74	280.80	8.46	320.10	9.48	339.90	9.99	379.20	11.04
	41.0	182.40	4.95	221.70	6.39	261.00	7.80	280.80	8.52	320.10	9.54	339.90	10.08	379.20	11.16
	46.0	182.40	5.07	221.70	6.51	261.00	7.92	280.80	8.64	320.10	9.75	339.90	10.29	379.20	11.43
	50.0	182.40	5.22	221.70	6.63	261.00	8.04	280.80	8.76	320.10	9.93	339.90	10.53	379.20	11.70
	54.0	182.40	5.40	221.70	6.81	261.00	8.25	280.80	8.97	320.10	10.17	339.90	10.80	379.20	12.03
	57.0	182.40	5.58	221.70	6.99	261.00	8.46	280.80	9.18	320.10	10.47	339.90	11.10	379.20	12.42
	61.0	182.40	5.73	221.70	7.23	261.00	8.73	280.80	9.48	320.10	10.80	339.90	11.49	379.20	12.87
	64.0	182.40	5.97	221.70	7.50	261.00	9.03	280.80	9.78	320.10	11.19	339.90	11.91	379.20	13.41
	68.0	182.40	6.21	221.70	7.77	261.00	9.39	280.80	10.20	320.10	11.70	339.90	12.51	378.30	14.13
	72.0	182.40	6.48	221.70	8.10	261.00	9.81	280.80	10.71	320.10	12.33	339.90	13.23	376.20	14.97
	75.0	182.40	6.72	221.70	8.46	261.00	10.35	280.80	11.34	320.10	13.14	339.90	14.10	374.10	15.96
	79.0	182.40	7.08	221.70	8.94	261.00	10.98	280.80	12.09	320.10	14.04	339.90	15.12	372.00	17.10
	82.0	182.40	7.44	221.70	9.45	261.00	11.70	280.80	12.93	320.10	15.12	339.90	16.32	369.60	18.36
	86.0	182.40	7.86	221.70	10.11	261.00	12.57	280.80	13.95	320.10	16.32	339.90	17.61	367.50	19.74
	90.0	182.40	8.49	221.70	10.80	261.00	13.62	280.80	15.06	320.10	17.55	339.90	18.99	365.40	21.30
	93.0	182.40	9.00	221.70	11.82	261.00	14.70	280.80	16.17	320.10	18.99	339.90	20.61	363.30	22.80
	95.0	182.40	9.51	221.70	12.33	261.00	15.24	280.80	16.74	320.10	19.77	339.90	21.45	362.10	23.10
	99.0	182.40	10.53	221.70	13.38	261.00	16.41	280.80	18.18	320.10	21.42	338.40	23.01	344.10	22.20
102.0	182.40	11.52	221.70	14.43	261.00	17.85	280.80	19.71	313.50	22.32	316.20	21.90	319.50	20.82	
106.0	182.40	12.45	221.70	15.75	261.00	19.41	280.80	21.36	289.80	21.03	291.30	20.46	295.20	19.41	
111.0	182.40	14.31	221.70	18.03	246.30	20.10	249.00	19.92	252.30	18.81	254.40	18.30	258.30	17.31	
115.0	182.40	15.84	214.50	18.87	220.50	18.51	223.50	18.36	227.40	17.34	229.50	16.86	234.00	15.90	
118.0	182.40	17.64	188.70	17.28	194.70	16.95	198.00	16.80	202.50	15.87	204.90	15.42	209.40	14.49	
120.0	178.75	17.82	181.50	17.49	183.60	16.53	185.10	16.05	189.60	15.12	192.00	14.67	197.40	13.80	
120	23.0	168.60	4.35	204.90	5.61	241.20	6.87	259.20	7.50	295.50	8.43	313.50	8.91	349.80	9.87
	27.0	168.60	4.38	204.90	5.64	241.20	6.90	259.20	7.53	295.50	8.49	313.50	8.97	349.80	9.90
	32.0	168.60	4.44	204.90	5.73	241.20	6.99	259.20	7.62	295.50	8.58	313.50	9.03	349.80	9.99
	37.0	168.60	4.56	204.90	5.82	241.20	7.08	259.20	7.71	295.50	8.67	313.50	9.15	349.80	10.08
	41.0	168.60	4.62	204.90	5.88	241.20	7.14	259.20	7.77	295.50	8.73	313.50	9.21	349.80	10.20
	46.0	168.60	4.71	204.90	6.00	241.20	7.26	259.20	7.89	295.50	8.88	313.50	9.39	349.80	10.41
	50.0	168.60	4.86	204.90	6.12	241.20	7.38	259.20	8.01	295.50	9.06	313.50	9.57	349.80	10.65
	54.0	168.60	4.98	204.90	6.27	241.20	7.53	259.20	8.16	295.50	9.27	313.50	9.81	349.80	10.92
	57.0	168.60	5.13	204.90	6.42	241.20	7.71	259.20	8.37	295.50	9.51	313.50	10.08	349.80	11.22
	61.0	168.60	5.25	204.90	6.60	241.20	7.95	259.20	8.61	295.50	9.78	313.50	10.38	349.80	11.61
	64.0	168.60	5.46	204.90	6.81	241.20	8.19	259.20	8.88	295.50	10.11	313.50	10.74	349.80	12.06
	68.0	168.60	5.64	204.90	7.05	241.20	8.49	259.20	9.24	295.50	10.56	313.50	11.22	349.80	12.66
	72.0	168.60	5.85	204.90	7.35	241.20	8.88	259.20	9.66	295.50	11.07	313.50	11.82	349.80	13.44
	75.0	168.60	6.09	204.90	7.65	241.20	9.33	259.20	10.20	295.50	11.76	313.50	12.57	349.80	14.37
	79.0	168.60	6.42	204.90	8.10	241.20	9.90	259.20	10.86	295.50	12.57	313.50	13.50	349.80	15.51
	82.0	168.60	6.78	204.90	8.58	241.20	10.56	259.20	11.64	295.50	13.53	313.50	14.55	349.80	16.74
	86.0	168.60	7.17	204.90	9.18	241.20	11.37	259.20	12.54	295.50	14.61	313.50	15.72	349.80	18.06
	90.0	168.60	7.68	204.90	9.81	241.20	12.27	259.20	13.59	295.50	15.78	313.50	16.92	349.80	19.50
	93.0	168.60	8.13	204.90	10.65	241.20	13.29	259.20	14.67	295.50	16.98	313.50	18.24	349.80	21.06
	95.0	168.60	8.55	204.90	11.13	241.20	13.83	259.20	15.21	295.50	17.64	313.50	18.96	349.80	21.84
	99.0	168.60	9.42	204.90	12.09	241.20	14.91	259.20	16.41	295.50	19.05	313.50	20.46	339.60	22.14
102.0	168.60	10.32	204.90	13.08	241.20	16.14	259.20	17.73	295.50	20.52	309.30	21.48	315.30	20.79	
106.0	168.60	11.28	204.90	14.28	241.20	17.49	259.20	19.14	284.10	20.70	286.50	20.28	291.00	19.38	
111.0	168.60	13.02	204.90	16.29	237.60	19.32	243.30	19.53	247.20	18.57	249.60	18.12	254.10	17.28	
115.0	168.60	14.40	203.10	17.61	213.00	17.88	217.80	17.97	222.30	17.10	224.70	16.68	229.80	15.87	
118.0	168.60	15.90	177.90	16.11	187.50	16.29	192.30	16.41	197.40	15.63	200.10	15.24	205.20	14.46	
120.0	165.23	16.05	174.30	16.50	177.60	15.93	179.40	15.66	184.50	14.85	187.20	14.49	193.20	13.77	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
110	23.0	154.50	4.02	187.80	5.13	221.10	6.24	237.60	6.78	270.90	7.65	287.40	8.10	320.70	8.94
	27.0	154.50	4.05	187.80	5.16	221.10	6.27	237.60	6.84	270.90	7.68	287.40	8.13	320.70	9.00
	32.0	154.50	4.11	187.80	5.22	221.10	6.33	237.60	6.90	270.90	7.77	287.40	8.19	320.70	9.06
	37.0	154.50	4.20	187.80	5.31	221.10	6.42	237.60	6.99	270.90	7.86	287.40	8.28	320.70	9.15
	41.0	154.50	4.26	187.80	5.37	221.10	6.51	237.60	7.05	270.90	7.92	287.40	8.37	320.70	9.24
	46.0	154.50	4.38	187.80	5.49	221.10	6.60	237.60	7.17	270.90	8.04	287.40	8.49	320.70	9.39
	50.0	154.50	4.50	187.80	5.58	221.10	6.69	237.60	7.23	270.90	8.19	287.40	8.64	320.70	9.57
	54.0	154.50	4.66	187.80	5.70	221.10	6.81	237.60	7.38	270.90	8.34	287.40	8.82	320.70	9.81
	57.0	154.50	4.68	187.80	5.82	221.10	6.96	237.60	7.53	270.90	8.55	287.40	9.03	320.70	10.05
	61.0	154.50	4.77	187.80	5.97	221.10	7.17	237.60	7.77	270.90	8.79	287.40	9.30	320.70	10.35
	64.0	154.50	4.92	187.80	6.15	221.10	7.38	237.60	7.98	270.90	9.06	287.40	9.63	320.70	10.74
	68.0	154.50	5.07	187.80	6.33	221.10	7.62	237.60	8.28	270.90	9.42	287.40	10.02	320.70	11.25
	72.0	154.50	5.25	187.80	6.57	221.10	7.95	237.60	8.64	270.90	9.87	287.40	10.50	320.70	11.85
	75.0	154.50	5.46	187.80	6.87	221.10	8.34	237.60	9.09	270.90	10.44	287.40	11.13	320.70	12.63
	79.0	154.50	5.76	187.80	7.26	221.10	8.85	237.60	9.66	270.90	11.13	287.40	11.94	320.70	13.62
	82.0	154.50	6.09	187.80	7.71	221.10	9.45	237.60	10.38	270.90	12.00	287.40	12.90	320.70	14.76
	86.0	154.50	6.45	187.80	8.25	221.10	10.17	237.60	11.22	270.90	12.99	287.40	13.92	320.70	15.93
	90.0	154.50	6.87	187.80	8.82	221.10	10.98	237.60	12.15	270.90	14.04	287.40	15.06	320.70	17.13
	93.0	154.50	7.29	187.80	9.54	221.10	11.91	237.60	13.20	270.90	15.18	287.40	16.20	320.70	18.39
	95.0	154.50	7.62	187.80	9.93	221.10	12.42	237.60	13.74	270.90	15.75	287.40	16.80	320.70	19.05
99.0	154.50	8.34	187.80	10.83	221.10	13.44	237.60	14.82	270.90	16.95	287.40	18.06	320.70	20.46	
102.0	154.50	9.12	187.80	11.79	221.10	14.55	237.60	15.99	270.90	18.21	287.40	19.38	310.80	20.70	
106.0	154.50	10.08	187.80	12.87	221.10	15.72	237.60	17.19	270.60	19.50	280.50	19.98	286.50	19.35	
111.0	154.50	11.76	187.80	14.64	220.80	17.58	235.50	18.90	242.10	18.30	244.50	17.94	249.90	17.25	
115.0	154.50	12.93	187.20	15.84	205.50	17.19	212.10	17.58	217.20	16.86	219.90	16.50	225.60	15.84	
118.0	154.50	14.19	167.10	14.91	180.00	15.66	186.60	16.02	192.30	15.39	195.30	15.06	201.00	14.43	
120.0	152.95	14.49	160.42	14.76	171.30	15.36	173.70	15.27	179.40	14.61	182.40	14.31	188.70	13.74	
100	23.0	140.40	3.69	170.70	4.65	201.00	5.61	216.00	6.09	246.30	6.87	261.30	7.26	291.60	8.04
	27.0	140.40	3.75	170.70	4.68	201.00	5.64	216.00	6.12	246.30	6.90	261.30	7.29	291.60	8.07
	32.0	140.40	3.78	170.70	4.74	201.00	5.70	216.00	6.18	246.30	6.96	261.30	7.35	291.60	8.16
	37.0	140.40	3.84	170.70	4.83	201.00	5.79	216.00	6.27	246.30	7.05	261.30	7.44	291.60	8.25
	41.0	140.40	3.93	170.70	4.89	201.00	5.85	216.00	6.33	246.30	7.11	261.30	7.50	291.60	8.28
	46.0	140.40	4.02	170.70	4.98	201.00	5.94	216.00	6.42	246.30	7.23	261.30	7.62	291.60	8.40
	50.0	140.40	4.14	170.70	5.07	201.00	6.03	216.00	6.48	246.30	7.29	261.30	7.71	291.60	8.52
	54.0	140.40	4.17	170.70	5.13	201.00	6.12	216.00	6.60	246.30	7.44	261.30	7.86	291.60	8.70
	57.0	140.40	4.23	170.70	5.22	201.00	6.24	216.00	6.72	246.30	7.59	261.30	8.01	291.60	8.88
	61.0	140.40	4.32	170.70	5.34	201.00	6.39	216.00	6.90	246.30	7.80	261.30	8.25	291.60	9.15
	64.0	140.40	4.41	170.70	5.46	201.00	6.57	216.00	7.11	246.30	8.04	261.30	8.52	291.60	9.48
	68.0	140.40	4.47	170.70	5.61	201.00	6.75	216.00	7.35	246.30	8.34	261.30	8.85	291.60	9.90
	72.0	140.40	4.62	170.70	5.82	201.00	7.02	216.00	7.62	246.30	8.70	261.30	9.24	291.60	10.38
	75.0	140.40	4.83	170.70	6.09	201.00	7.35	216.00	8.01	246.30	9.18	261.30	9.78	291.60	11.01
	79.0	140.40	5.10	170.70	6.42	201.00	7.80	216.00	8.49	246.30	9.75	261.30	10.41	291.60	11.85
	82.0	140.40	5.43	170.70	6.84	201.00	8.34	216.00	9.15	246.30	10.56	261.30	11.31	291.60	12.84
	86.0	140.40	5.73	170.70	7.32	201.00	9.03	216.00	9.93	246.30	11.46	261.30	12.24	291.60	13.92
	90.0	140.40	6.06	170.70	7.83	201.00	9.78	216.00	10.80	246.30	12.42	261.30	13.26	291.60	15.06
	93.0	140.40	6.45	170.70	8.46	201.00	10.59	216.00	11.70	246.30	13.47	261.30	14.37	291.60	16.11
	95.0	140.40	6.69	170.70	8.79	201.00	11.04	216.00	12.24	246.30	14.04	261.30	14.91	291.60	16.65
99.0	140.40	7.23	170.70	9.57	201.00	12.06	216.00	13.35	246.30	15.06	261.30	15.96	291.60	17.79	
102.0	140.40	7.92	170.70	10.47	201.00	13.08	216.00	14.37	246.30	16.14	261.30	17.07	291.60	19.05	
106.0	140.40	8.88	170.70	11.49	201.00	14.10	216.00	15.42	246.30	17.28	261.30	18.27	282.30	19.32	
111.0	140.40	10.47	170.70	13.08	201.00	15.75	216.00	17.10	236.10	17.97	239.70	17.76	245.70	17.22	
115.0	140.40	11.49	170.70	14.13	197.10	16.44	206.40	17.19	212.10	16.59	215.10	16.32	221.40	15.81	
118.0	140.40	12.45	156.60	13.74	172.80	15.00	180.60	15.63	187.20	15.15	190.50	14.91	196.80	14.40	
120.0	139.00	12.72	150.34	13.59	165.30	14.76	168.00	14.88	174.30	14.37	177.60	14.13	184.50	13.71	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
90	23.0	126.30	3.36	153.60	4.20	180.90	5.01	194.40	5.43	221.70	6.12	235.20	6.45	262.50	7.14
	27.0	126.30	3.39	153.60	4.23	180.90	5.04	194.40	5.46	221.70	6.15	235.20	6.48	262.50	7.17
	32.0	126.30	3.45	153.60	4.26	180.90	5.10	194.40	5.52	221.70	6.21	235.20	6.57	262.50	7.23
	37.0	126.30	3.51	153.60	4.35	180.90	5.19	194.40	5.61	221.70	6.30	235.20	6.63	262.50	7.32
	41.0	126.30	3.57	153.60	4.41	180.90	5.22	194.40	5.64	221.70	6.33	235.20	6.69	262.50	7.38
	46.0	126.30	3.66	153.60	4.50	180.90	5.34	194.40	5.76	221.70	6.45	235.20	6.78	262.50	7.47
	50.0	126.30	3.75	153.60	4.59	180.90	5.40	194.40	5.82	221.70	6.51	235.20	6.87	262.50	7.56
	54.0	126.30	3.81	153.60	4.65	180.90	5.49	194.40	5.91	221.70	6.63	235.20	6.99	262.50	7.71
	57.0	126.30	3.87	153.60	4.74	180.90	5.58	194.40	6.00	221.70	6.75	235.20	7.11	262.50	7.86
	61.0	126.30	3.96	153.60	4.83	180.90	5.70	194.40	6.15	221.70	6.93	235.20	7.29	262.50	8.07
	64.0	126.30	4.02	153.60	4.95	180.90	5.85	194.40	6.33	221.70	7.11	235.20	7.53	262.50	8.34
	68.0	126.30	4.08	153.60	5.04	180.90	6.03	194.40	6.51	221.70	7.38	235.20	7.80	262.50	8.67
	72.0	126.30	4.20	153.60	5.22	180.90	6.27	194.40	6.78	221.70	7.68	235.20	8.16	262.50	9.12
	75.0	126.30	4.38	153.60	5.46	180.90	6.54	194.40	7.08	221.70	8.07	235.20	8.58	262.50	9.63
	79.0	126.30	4.59	153.60	5.73	180.90	6.90	194.40	7.50	221.70	8.58	235.20	9.12	262.50	10.23
	82.0	126.30	4.83	153.60	6.09	180.90	7.35	194.40	8.01	221.70	9.18	235.20	9.78	262.50	11.01
	86.0	126.30	5.10	153.60	6.48	180.90	7.89	194.40	8.64	221.70	9.90	235.20	10.53	262.50	11.88
	90.0	126.30	5.40	153.60	6.90	180.90	8.52	194.40	9.33	221.70	10.68	235.20	11.37	262.50	12.81
	93.0	126.30	5.73	153.60	7.44	180.90	9.18	194.40	10.11	221.70	11.55	235.20	12.30	262.50	13.80
	95.0	126.30	5.97	153.60	7.74	180.90	9.57	194.40	10.53	221.70	12.03	235.20	12.78	262.50	14.28
99.0	126.30	6.51	153.60	8.43	180.90	10.44	194.40	11.49	221.70	12.99	235.20	13.74	262.50	15.27	
102.0	126.30	7.14	153.60	9.21	180.90	11.34	194.40	12.42	221.70	13.95	235.20	14.76	262.50	16.35	
106.0	126.30	7.95	153.60	10.08	180.90	12.30	194.40	13.41	221.70	15.03	235.20	15.87	262.50	17.58	
111.0	126.30	9.30	153.60	11.58	180.90	13.92	194.40	15.09	221.10	16.77	230.70	17.22	241.50	17.19	
115.0	126.30	10.26	153.60	12.63	180.00	15.00	192.60	16.14	203.40	16.08	207.90	15.99	217.20	15.78	
118.0	126.30	11.31	144.00	12.75	161.70	14.22	170.40	14.97	179.40	14.73	183.60	14.61	192.60	14.40	
120.0	126.30	11.67	142.20	13.02	152.40	13.83	157.50	14.22	166.50	13.98	171.00	13.86	180.30	13.71	
80	23.0	112.20	3.03	136.50	3.72	160.80	4.44	172.80	4.80	197.10	5.37	209.10	5.67	233.40	6.24
	27.0	112.20	3.06	136.50	3.75	160.80	4.47	172.80	4.83	197.10	5.40	209.10	5.70	233.40	6.27
	32.0	112.20	3.09	136.50	3.81	160.80	4.53	172.80	4.89	197.10	5.46	209.10	5.76	233.40	6.33
	37.0	112.20	3.15	136.50	3.87	160.80	4.59	172.80	4.92	197.10	5.52	209.10	5.82	233.40	6.39
	41.0	112.20	3.18	136.50	3.90	160.80	4.62	172.80	4.98	197.10	5.58	209.10	5.88	233.40	6.45
	46.0	112.20	3.27	136.50	3.99	160.80	4.71	172.80	5.07	197.10	5.67	209.10	5.97	233.40	6.54
	50.0	112.20	3.39	136.50	4.08	160.80	4.77	172.80	5.13	197.10	5.73	209.10	6.03	233.40	6.63
	54.0	112.20	3.45	136.50	4.14	160.80	4.86	172.80	5.19	197.10	5.79	209.10	6.09	233.40	6.72
	57.0	112.20	3.51	136.50	4.23	160.80	4.92	172.80	5.28	197.10	5.91	209.10	6.21	233.40	6.84
	61.0	112.20	3.57	136.50	4.32	160.80	5.04	172.80	5.40	197.10	6.03	209.10	6.36	233.40	7.02
	64.0	112.20	3.66	136.50	4.41	160.80	5.16	172.80	5.55	197.10	6.21	209.10	6.54	233.40	7.23
	68.0	112.20	3.72	136.50	4.50	160.80	5.31	172.80	5.73	197.10	6.42	209.10	6.78	233.40	7.50
	72.0	112.20	3.81	136.50	4.65	160.80	5.49	172.80	5.94	197.10	6.69	209.10	7.08	233.40	7.86
	75.0	112.20	3.93	136.50	4.83	160.80	5.73	172.80	6.21	197.10	7.02	209.10	7.44	233.40	8.31
	79.0	112.20	4.08	136.50	5.04	160.80	6.03	172.80	6.54	197.10	7.44	209.10	7.89	233.40	8.82
	82.0	112.20	4.26	136.50	5.31	160.80	6.39	172.80	6.93	197.10	7.89	209.10	8.37	233.40	9.39
	86.0	112.20	4.50	136.50	5.64	160.80	6.81	172.80	7.41	197.10	8.43	209.10	8.97	233.40	10.05
	90.0	112.20	4.74	136.50	6.00	160.80	7.29	172.80	7.95	197.10	9.06	209.10	9.63	233.40	10.83
	93.0	112.20	5.04	136.50	6.42	160.80	7.83	172.80	8.55	197.10	9.75	209.10	10.38	233.40	11.64
	95.0	112.20	5.28	136.50	6.69	160.80	8.16	172.80	8.91	197.10	10.14	209.10	10.77	233.40	12.06
99.0	112.20	5.76	136.50	7.32	160.80	8.88	172.80	9.69	197.10	10.98	209.10	11.64	233.40	12.96	
102.0	112.20	6.36	136.50	8.01	160.80	9.66	172.80	10.53	197.10	11.85	209.10	12.54	233.40	13.89	
106.0	112.20	6.99	136.50	8.73	160.80	10.53	172.80	11.43	197.10	12.84	209.10	13.53	233.40	14.91	
111.0	112.20	8.13	136.50	10.08	160.80	12.09	172.80	13.08	197.10	14.55	209.10	15.27	233.40	16.74	
115.0	112.20	9.03	136.50	11.13	160.80	13.26	172.80	14.37	192.60	15.36	200.10	15.57	213.00	15.78	
118.0	112.20	10.14	131.40	11.79	150.60	13.47	160.20	14.28	171.30	14.31	177.00	14.34	188.40	14.37	
120.0	112.20	10.44	123.60	11.49	139.50	12.87	147.30	13.56	158.70	13.56	164.40	13.59	176.10	13.68	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
70	23.0	98.40	2.67	119.40	3.27	140.70	3.87	151.20	4.17	172.50	4.65	183.00	4.89	204.00	5.37		
	27.0	98.40	2.70	119.40	3.30	140.70	3.90	151.20	4.20	172.50	4.68	183.00	4.92	204.00	5.40		
	32.0	98.40	2.76	119.40	3.36	140.70	3.96	151.20	4.26	172.50	4.74	183.00	4.98	204.00	5.46		
	37.0	98.40	2.79	119.40	3.39	140.70	3.99	151.20	4.29	172.50	4.80	183.00	5.04	204.00	5.52		
	41.0	98.40	2.82	119.40	3.42	140.70	4.05	151.20	4.35	172.50	4.83	183.00	5.07	204.00	5.58		
	46.0	98.40	2.91	119.40	3.51	140.70	4.11	151.20	4.41	172.50	4.92	183.00	5.16	204.00	5.64		
	50.0	98.40	3.00	119.40	3.60	140.70	4.17	151.20	4.47	172.50	4.95	183.00	5.22	204.00	5.70		
	54.0	98.40	3.06	119.40	3.66	140.70	4.23	151.20	4.53	172.50	5.04	183.00	5.28	204.00	5.76		
	57.0	98.40	3.12	119.40	3.72	140.70	4.29	151.20	4.59	172.50	5.10	183.00	5.37	204.00	5.88		
	61.0	98.40	3.18	119.40	3.78	140.70	4.38	151.20	4.71	172.50	5.22	183.00	5.49	204.00	6.03		
	64.0	98.40	3.24	119.40	3.87	140.70	4.50	151.20	4.80	172.50	5.37	183.00	5.64	204.00	6.18		
	68.0	98.40	3.30	119.40	3.96	140.70	4.62	151.20	4.95	172.50	5.52	183.00	5.82	204.00	6.42		
	72.0	98.40	3.36	119.40	4.05	140.70	4.77	151.20	5.13	172.50	5.76	183.00	6.06	204.00	6.69		
	75.0	98.40	3.45	119.40	4.20	140.70	4.98	151.20	5.34	172.50	6.03	183.00	6.36	204.00	7.08		
	79.0	98.40	3.57	119.40	4.38	140.70	5.19	151.20	5.61	172.50	6.36	183.00	6.75	204.00	7.50		
	82.0	98.40	3.69	119.40	4.59	140.70	5.49	151.20	5.94	172.50	6.75	183.00	7.14	204.00	7.95		
	86.0	98.40	3.87	119.40	4.83	140.70	5.79	151.20	6.30	172.50	7.14	183.00	7.56	204.00	8.46		
	90.0	98.40	4.08	119.40	5.10	140.70	6.18	151.20	6.69	172.50	7.62	183.00	8.10	204.00	9.09		
	93.0	98.40	4.32	119.40	5.46	140.70	6.60	151.20	7.17	172.50	8.19	183.00	8.70	204.00	9.75		
	95.0	98.40	4.53	119.40	5.67	140.70	6.87	151.20	7.47	172.50	8.52	183.00	9.03	204.00	10.14		
	99.0	98.40	4.95	119.40	6.18	140.70	7.47	151.20	8.10	172.50	9.21	183.00	9.78	204.00	10.89		
	102.0	98.40	5.49	119.40	6.81	140.70	8.16	151.20	8.82	172.50	9.99	183.00	10.56	204.00	11.73		
	106.0	98.40	5.97	119.40	7.41	140.70	8.88	151.20	9.66	172.50	10.86	183.00	11.46	204.00	12.69		
	111.0	98.40	6.96	119.40	8.61	140.70	10.32	151.20	11.16	172.50	12.39	183.00	13.02	204.00	14.25		
115.0	98.40	7.74	119.40	9.54	140.70	11.40	151.20	12.33	172.50	13.59	182.40	14.16	201.00	15.12			
118.0	98.40	8.82	117.30	10.50	136.20	12.18	145.50	13.02	158.70	13.38	165.00	13.56	178.20	13.92			
120.0	98.40	9.09	108.30	10.59	126.30	12.15	135.30	12.96	147.90	13.11	154.20	13.20	167.10	13.38			
60	23.0	84.30	2.28	102.30	2.82	120.60	3.33	129.60	3.57	147.60	3.96	156.90	4.17	174.90	4.53		
	27.0	84.30	2.31	102.30	2.85	120.60	3.36	129.60	3.60	147.60	3.99	156.90	4.20	174.90	4.56		
	32.0	84.30	2.37	102.30	2.88	120.60	3.39	129.60	3.66	147.60	4.05	156.90	4.23	174.90	4.62		
	37.0	84.30	2.43	102.30	2.94	120.60	3.45	129.60	3.72	147.60	4.08	156.90	4.29	174.90	4.65		
	41.0	84.30	2.46	102.30	2.97	120.60	3.48	129.60	3.75	147.60	4.14	156.90	4.32	174.90	4.71		
	46.0	84.30	2.52	102.30	3.03	120.60	3.54	129.60	3.81	147.60	4.20	156.90	4.38	174.90	4.77		
	50.0	84.30	2.61	102.30	3.09	120.60	3.60	129.60	3.84	147.60	4.23	156.90	4.44	174.90	4.83		
	54.0	84.30	2.64	102.30	3.15	120.60	3.66	129.60	3.90	147.60	4.29	156.90	4.50	174.90	4.89		
	57.0	84.30	2.67	102.30	3.18	120.60	3.69	129.60	3.96	147.60	4.35	156.90	4.56	174.90	4.98		
	61.0	84.30	2.73	102.30	3.24	120.60	3.78	129.60	4.02	147.60	4.44	156.90	4.65	174.90	5.07		
	64.0	84.30	2.79	102.30	3.33	120.60	3.84	129.60	4.11	147.60	4.56	156.90	4.77	174.90	5.22		
	68.0	84.30	2.82	102.30	3.39	120.60	3.96	129.60	4.23	147.60	4.71	156.90	4.92	174.90	5.40		
	72.0	84.30	2.88	102.30	3.48	120.60	4.08	129.60	4.38	147.60	4.86	156.90	5.10	174.90	5.61		
	75.0	84.30	2.94	102.30	3.57	120.60	4.23	129.60	4.53	147.60	5.07	156.90	5.34	174.90	5.88		
	79.0	84.30	3.03	102.30	3.72	120.60	4.41	129.60	4.74	147.60	5.34	156.90	5.64	174.90	6.24		
	82.0	84.30	3.09	102.30	3.84	120.60	4.62	129.60	5.01	147.60	5.64	156.90	5.97	174.90	6.63		
	86.0	84.30	3.24	102.30	4.05	120.60	4.86	129.60	5.25	147.60	5.97	156.90	6.30	174.90	7.02		
	90.0	84.30	3.39	102.30	4.26	120.60	5.13	129.60	5.58	147.60	6.33	156.90	6.72	174.90	7.50		
	93.0	84.30	3.57	102.30	4.50	120.60	5.46	129.60	5.91	147.60	6.78	156.90	7.20	174.90	8.04		
	95.0	84.30	3.72	102.30	4.68	120.60	5.64	129.60	6.15	147.60	7.02	156.90	7.47	174.90	8.37		
	99.0	84.30	4.02	102.30	5.10	120.60	6.15	129.60	6.69	147.60	7.62	156.90	8.10	174.90	9.06		
	102.0	84.30	4.47	102.30	5.61	120.60	6.75	129.60	7.32	147.60	8.31	156.90	8.82	174.90	9.81		
	106.0	84.30	4.89	102.30	6.15	120.60	7.41	129.60	8.07	147.60	9.12	156.90	9.63	174.90	10.68		
	111.0	84.30	5.73	102.30	7.17	120.60	8.64	129.60	9.39	147.60	10.50	156.90	11.04	174.90	12.15		
115.0	84.30	6.39	102.30	7.98	120.60	9.54	129.60	10.35	147.60	11.49	156.90	12.09	174.90	13.23			
118.0	84.30	7.35	101.40	8.88	118.20	10.41	126.90	11.16	141.00	11.91	147.90	12.27	162.00	13.02			
120.0	84.30	7.59	96.00	9.57	112.80	11.16	121.50	11.97	134.10	12.39	140.40	12.57	153.00	12.84			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	70.20	1.92	85.20	2.34	100.50	2.76	108.00	2.97	123.00	3.27	130.80	3.42	145.80	3.69
	27.0	70.20	1.95	85.20	2.37	100.50	2.79	108.00	3.03	123.00	3.30	130.80	3.45	145.80	3.72
	32.0	70.20	2.01	85.20	2.43	100.50	2.85	108.00	3.06	123.00	3.33	130.80	3.48	145.80	3.78
	37.0	70.20	2.07	85.20	2.49	100.50	2.91	108.00	3.12	123.00	3.39	130.80	3.54	145.80	3.81
	41.0	70.20	2.10	85.20	2.52	100.50	2.94	108.00	3.15	123.00	3.42	130.80	3.57	145.80	3.84
	46.0	70.20	2.13	85.20	2.55	100.50	2.97	108.00	3.18	123.00	3.48	130.80	3.63	145.80	3.90
	50.0	70.20	2.19	85.20	2.61	100.50	3.00	108.00	3.21	123.00	3.51	130.80	3.66	145.80	3.96
	54.0	70.20	2.22	85.20	2.64	100.50	3.06	108.00	3.27	123.00	3.57	130.80	3.72	145.80	3.99
	57.0	70.20	2.25	85.20	2.67	100.50	3.09	108.00	3.33	123.00	3.63	130.80	3.78	145.80	4.08
	61.0	70.20	2.28	85.20	2.70	100.50	3.15	108.00	3.36	123.00	3.69	130.80	3.84	145.80	4.14
	64.0	70.20	2.31	85.20	2.76	100.50	3.21	108.00	3.45	123.00	3.75	130.80	3.90	145.80	4.23
	68.0	70.20	2.37	85.20	2.82	100.50	3.30	108.00	3.51	123.00	3.87	130.80	4.05	145.80	4.38
	72.0	70.20	2.43	85.20	2.88	100.50	3.36	108.00	3.60	123.00	3.99	130.80	4.17	145.80	4.56
	75.0	70.20	2.43	85.20	2.94	100.50	3.48	108.00	3.72	123.00	4.14	130.80	4.35	145.80	4.74
	79.0	70.20	2.46	85.20	3.03	100.50	3.60	108.00	3.90	123.00	4.35	130.80	4.56	145.80	5.01
	82.0	70.20	2.52	85.20	3.12	100.50	3.75	108.00	4.08	123.00	4.56	130.80	4.83	145.80	5.34
	86.0	70.20	2.58	85.20	3.27	100.50	3.93	108.00	4.26	123.00	4.80	130.80	5.10	145.80	5.64
	90.0	70.20	2.73	85.20	3.42	100.50	4.11	108.00	4.47	123.00	5.07	130.80	5.40	145.80	6.03
	93.0	70.20	2.82	85.20	3.57	100.50	4.32	108.00	4.71	123.00	5.40	130.80	5.76	145.80	6.45
	95.0	70.20	2.91	85.20	3.69	100.50	4.44	108.00	4.83	123.00	5.58	130.80	5.94	145.80	6.66
99.0	70.20	3.12	85.20	3.99	100.50	4.89	108.00	5.31	123.00	6.09	130.80	6.48	145.80	7.26	
102.0	70.20	3.45	85.20	4.41	100.50	5.37	108.00	5.85	123.00	6.69	130.80	7.11	145.80	7.95	
106.0	70.20	3.81	85.20	4.89	100.50	5.94	108.00	6.48	123.00	7.38	130.80	7.83	145.80	8.73	
111.0	70.20	4.50	85.20	5.76	100.50	7.02	108.00	7.65	123.00	8.64	130.80	9.15	145.80	10.14	
115.0	70.20	5.04	85.20	6.42	100.50	7.77	108.00	8.46	123.00	9.51	130.80	10.05	145.80	11.13	
118.0	70.20	5.85	85.20	7.23	100.50	8.64	108.00	9.33	123.00	10.44	130.80	11.01	145.80	12.12	
120.0	70.20	6.03	85.20	7.89	100.50	9.30	108.00	9.96	119.10	10.74	125.40	11.10	139.20	11.79	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	375.00	23.64	363.30	21.90	315.90	15.57	304.20	14.82	292.20	14.13
	57.0	53.0	375.00	25.65	363.30	23.82	315.90	17.04	304.20	16.17	292.20	15.33
	54.0	50.0	375.00	27.78	363.30	25.77	315.90	18.63	304.20	17.64	292.20	16.65
	51.0	47.0	375.00	30.06	363.30	28.02	315.90	20.40	304.20	19.20	292.20	18.06
	47.0	43.0	375.00	32.31	363.30	30.24	315.90	22.32	304.20	20.91	292.20	19.59
	44.0	40.0	375.00	34.65	363.30	32.52	315.90	24.39	304.20	22.80	292.20	21.27
	39.0	36.0	375.00	37.14	363.30	34.89	315.90	26.52	304.20	24.78	292.20	23.10
	35.0	32.0	375.00	39.66	363.30	37.35	315.90	28.65	304.20	26.79	292.20	24.96
	30.0	28.0	375.00	42.18	363.30	39.90	315.90	31.05	304.20	28.98	292.20	26.97
	26.0	24.0	375.00	44.70	363.30	42.42	315.90	33.42	304.20	31.26	292.20	29.13
	23.0	21.0	375.00	47.25	363.30	44.94	315.90	35.79	304.20	33.51	292.20	31.29
	19.0	18.0	373.80	49.59	363.30	47.49	315.90	38.19	304.20	35.82	292.20	33.48
	17.0	15.0	369.60	49.71	363.30	48.84	315.90	39.51	304.20	37.05	292.20	34.65
	13.0	12.0	359.70	49.62	359.70	50.58	315.90	42.09	304.20	39.57	292.20	37.08
	10.0	9.0	350.10	49.50	350.10	50.46	315.90	44.64	304.20	42.06	292.20	39.51
	6.0	5.0	335.40	49.32	335.40	50.31	315.90	48.48	304.20	45.84	292.20	43.23
	2.0	1.0	325.80	49.23	325.80	50.19	315.90	51.15	304.20	48.33	292.20	45.69
	-1.8	-2.2	315.90	49.11	315.90	50.07	315.90	53.97	304.20	51.12	292.20	48.33
	-3.6	-4.0	311.10	49.05	311.10	50.04	311.10	53.91	303.30	52.32	292.20	49.68
	-7.1	-7.6	301.50	48.93	301.50	49.92	301.20	53.82	293.70	52.20	289.90	50.61
-12.6	-13.0	286.80	48.78	286.80	49.74	286.80	53.64	279.00	52.05	271.50	50.43	
120	60.0	56.0	346.20	19.71	335.40	18.45	291.60	13.77	280.80	13.23	269.70	12.69
	57.0	53.0	346.20	21.42	335.40	20.04	291.60	14.94	280.80	14.28	269.70	13.65
	54.0	50.0	346.20	23.19	335.40	21.72	291.60	16.26	280.80	15.48	269.70	14.73
	51.0	47.0	346.20	25.17	335.40	23.55	291.60	17.70	280.80	16.80	269.70	15.93
	47.0	43.0	346.20	27.21	335.40	25.50	291.60	19.29	280.80	18.24	269.70	17.22
	44.0	40.0	346.20	29.28	335.40	27.51	291.60	20.97	280.80	19.77	269.70	18.60
	39.0	36.0	346.20	31.44	335.40	29.55	291.60	22.74	280.80	21.39	269.70	20.10
	35.0	32.0	346.20	33.75	335.40	31.71	291.60	24.51	280.80	23.04	269.70	21.63
	30.0	28.0	346.20	36.12	335.40	33.99	291.60	26.31	280.80	24.75	269.70	23.25
	26.0	24.0	346.20	38.58	335.40	36.36	291.60	28.32	280.80	26.64	269.70	24.99
	23.0	21.0	346.20	41.07	335.40	38.82	291.60	30.42	280.80	28.65	269.70	26.88
	19.0	18.0	346.20	43.56	335.40	41.28	291.60	32.55	280.80	30.69	269.70	28.83
	17.0	15.0	346.20	44.79	335.40	42.51	291.60	33.66	280.80	31.74	269.70	29.85
	13.0	12.0	346.20	47.40	335.40	45.00	291.60	36.03	280.80	34.02	269.70	32.01
	10.0	9.0	343.80	49.44	335.40	47.64	291.60	38.46	280.80	36.36	269.70	34.26
	6.0	5.0	329.40	49.29	327.60	49.47	291.60	42.12	280.80	39.93	269.70	37.77
	2.0	1.0	319.50	49.17	317.70	49.38	291.60	44.58	280.80	42.33	269.70	40.11
	-1.8	-2.2	309.90	49.05	308.10	49.26	291.60	47.19	280.80	44.85	269.70	42.51
	-3.6	-4.0	305.10	49.02	303.30	49.20	291.60	48.57	280.80	46.17	269.70	43.80
	-7.1	-7.6	295.20	48.90	293.40	49.08	286.80	49.86	278.70	48.24	269.70	46.44
-12.6	-13.0	280.80	48.72	279.00	48.93	272.10	49.71	264.00	48.09	259.90	46.47	
110	60.0	56.0	317.40	16.17	307.50	15.30	267.30	12.12	257.40	11.70	247.20	11.28
	57.0	53.0	317.40	17.55	307.50	16.56	267.30	12.99	257.40	12.51	247.20	12.03
	54.0	50.0	317.40	19.08	307.50	18.00	267.30	14.01	257.40	13.47	247.20	12.90
	51.0	47.0	317.40	20.73	307.50	19.53	267.30	15.18	257.40	14.52	247.20	13.89
	47.0	43.0	317.40	22.53	307.50	21.21	267.30	16.50	257.40	15.72	247.20	14.94
	44.0	40.0	317.40	24.42	307.50	22.98	267.30	17.85	257.40	16.98	247.20	16.11
	39.0	36.0	317.40	26.34	307.50	24.78	267.30	19.29	257.40	18.27	247.20	17.31
	35.0	32.0	317.40	28.35	307.50	26.61	267.30	20.70	257.40	19.62	247.20	18.54
	30.0	28.0	317.40	30.48	307.50	28.62	267.30	22.11	257.40	20.97	247.20	19.80
	26.0	24.0	317.40	32.70	307.50	30.75	267.30	23.64	257.40	22.38	247.20	21.15
	23.0	21.0	317.40	35.04	307.50	32.91	267.30	25.35	257.40	24.03	247.20	22.71
	19.0	18.0	317.40	37.47	307.50	35.28	267.30	27.24	257.40	25.80	247.20	24.39
	17.0	15.0	317.40	38.70	307.50	36.48	267.30	28.20	257.40	26.73	247.20	25.29
	13.0	12.0	317.40	41.16	307.50	38.91	267.30	30.30	257.40	28.74	247.20	27.18
	10.0	9.0	317.40	43.65	307.50	41.34	267.30	32.49	257.40	30.84	247.20	29.22
	6.0	5.0	317.40	47.58	307.50	45.09	267.30	35.97	257.40	34.20	247.20	32.46
	2.0	1.0	313.50	49.14	307.20	47.73	267.30	38.31	257.40	36.48	247.20	34.68
	-1.8	-2.2	303.60	49.02	300.30	48.42	267.30	40.71	257.40	38.82	247.20	36.96
	-3.6	-4.0	298.80	48.96	295.50	48.39	267.30	41.97	257.40	40.02	247.20	38.13
	-7.1	-7.6	289.20	48.84	285.60	48.27	267.30	44.55	257.40	42.57	247.20	40.62
-12.6	-13.0	274.50	48.69	271.20	48.09	257.70	45.75	249.00	44.13	240.30	42.51	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	288.60	12.84	279.60	12.36	243.00	10.56	234.00	10.26	224.70	9.93
	57.0	53.0	288.60	13.98	279.60	13.38	243.00	11.19	234.00	10.83	224.70	10.50
	54.0	50.0	288.60	15.24	279.60	14.55	243.00	11.94	234.00	11.55	224.70	11.16
	51.0	47.0	288.60	16.68	279.60	15.84	243.00	12.84	234.00	12.39	224.70	11.94
	47.0	43.0	288.60	18.21	279.60	17.28	243.00	13.89	234.00	13.35	224.70	12.81
	44.0	40.0	288.60	19.89	279.60	18.81	243.00	15.00	234.00	14.37	224.70	13.74
	39.0	36.0	288.60	21.66	279.60	20.43	243.00	16.11	234.00	15.39	224.70	14.67
	35.0	32.0	288.60	23.43	279.60	22.08	243.00	17.22	234.00	16.44	224.70	15.63
	30.0	28.0	288.60	25.29	279.60	23.73	243.00	18.33	234.00	17.46	224.70	16.62
	26.0	24.0	288.60	27.36	279.60	25.62	243.00	19.44	234.00	18.54	224.70	17.61
	23.0	21.0	288.60	29.46	279.60	27.57	243.00	20.70	234.00	19.74	224.70	18.78
	19.0	18.0	288.60	31.59	279.60	29.61	243.00	22.23	234.00	21.18	224.70	20.16
	17.0	15.0	288.60	32.73	279.60	30.69	243.00	23.07	234.00	21.99	224.70	20.91
	13.0	12.0	288.60	35.13	279.60	32.97	243.00	24.87	234.00	23.70	224.70	22.56
	10.0	9.0	288.60	37.59	279.60	35.34	243.00	26.82	234.00	25.59	224.70	24.36
	6.0	5.0	288.60	41.25	279.60	38.94	243.00	30.00	234.00	28.65	224.70	27.30
	2.0	1.0	288.60	43.74	279.60	41.34	243.00	32.22	234.00	30.81	224.70	29.40
	-1.8	-2.2	288.60	46.38	279.60	43.89	243.00	34.44	234.00	32.97	224.70	31.50
	-3.6	-4.0	288.60	47.73	279.60	45.24	243.00	35.55	234.00	34.08	224.70	32.58
	-7.1	-7.6	282.90	48.81	277.80	47.43	243.00	38.07	234.00	36.48	224.70	34.92
-12.6	-13.0	268.20	48.63	263.40	47.28	243.00	41.82	234.00	40.17	224.70	38.55	
90	60.0	56.0	259.80	11.16	251.40	10.77	218.70	9.36	210.60	9.12	202.20	8.88
	57.0	53.0	259.80	11.97	251.40	11.55	218.70	9.90	210.60	9.63	202.20	9.36
	54.0	50.0	259.80	12.90	251.40	12.42	218.70	10.53	210.60	10.20	202.20	9.90
	51.0	47.0	259.80	13.95	251.40	13.38	218.70	11.25	210.60	10.89	202.20	10.53
	47.0	43.0	259.80	15.06	251.40	14.43	218.70	12.09	210.60	11.67	202.20	11.25
	44.0	40.0	259.80	16.26	251.40	15.57	218.70	12.99	210.60	12.51	202.20	12.00
	39.0	36.0	259.80	17.55	251.40	16.77	218.70	13.89	210.60	13.32	202.20	12.78
	35.0	32.0	259.80	18.96	251.40	18.09	218.70	14.76	210.60	14.16	202.20	13.56
	30.0	28.0	259.80	20.43	251.40	19.41	218.70	15.72	210.60	15.06	202.20	14.40
	26.0	24.0	259.80	22.05	251.40	20.91	218.70	16.68	210.60	15.99	202.20	15.27
	23.0	21.0	259.80	23.79	251.40	22.53	218.70	17.76	210.60	17.01	202.20	16.26
	19.0	18.0	259.80	25.62	251.40	24.27	218.70	19.08	210.60	18.24	202.20	17.43
	17.0	15.0	259.80	26.58	251.40	25.17	218.70	19.80	210.60	18.93	202.20	18.09
	13.0	12.0	259.80	28.59	251.40	27.09	218.70	21.36	210.60	20.40	202.20	19.47
	10.0	9.0	259.80	30.72	251.40	29.10	218.70	23.04	210.60	22.02	202.20	21.00
	6.0	5.0	259.80	34.05	251.40	32.37	218.70	25.86	210.60	24.72	202.20	23.58
	2.0	1.0	259.80	36.36	251.40	34.62	218.70	27.84	210.60	26.64	202.20	25.44
	-1.8	-2.2	259.80	38.73	251.40	36.93	218.70	29.91	210.60	28.65	202.20	27.36
	-3.6	-4.0	259.80	39.93	251.40	38.10	218.70	30.96	210.60	29.67	202.20	28.38
	-7.1	-7.6	259.80	42.45	251.40	40.59	218.70	33.24	210.60	31.86	202.20	30.48
-12.6	-13.0	247.50	42.96	241.80	41.73	218.70	36.81	210.60	35.37	202.20	33.90	
80	60.0	56.0	231.00	9.54	223.50	9.27	194.40	8.13	187.20	7.98	179.70	7.80
	57.0	53.0	231.00	10.11	223.50	9.78	194.40	8.61	187.20	8.40	179.70	8.22
	54.0	50.0	231.00	10.71	223.50	10.38	194.40	9.09	187.20	8.88	179.70	8.64
	51.0	47.0	231.00	11.40	223.50	11.07	194.40	9.66	187.20	9.39	179.70	9.15
	47.0	43.0	231.00	12.15	223.50	11.76	194.40	10.32	187.20	9.99	179.70	9.69
	44.0	40.0	231.00	12.90	223.50	12.51	194.40	10.98	187.20	10.62	179.70	10.29
	39.0	36.0	231.00	13.77	223.50	13.35	194.40	11.64	187.20	11.28	179.70	10.89
	35.0	32.0	231.00	14.79	223.50	14.28	194.40	12.30	187.20	11.91	179.70	11.49
	30.0	28.0	231.00	15.90	223.50	15.30	194.40	13.08	187.20	12.63	179.70	12.18
	26.0	24.0	231.00	17.13	223.50	16.47	194.40	13.92	187.20	13.41	179.70	12.93
	23.0	21.0	231.00	18.48	223.50	17.76	194.40	14.85	187.20	14.31	179.70	13.77
	19.0	18.0	231.00	19.98	223.50	19.17	194.40	15.93	187.20	15.33	179.70	14.73
	17.0	15.0	231.00	20.79	223.50	19.92	194.40	16.53	187.20	15.90	179.70	15.24
	13.0	12.0	231.00	22.41	223.50	21.48	194.40	17.85	187.20	17.13	179.70	16.38
	10.0	9.0	231.00	24.18	223.50	23.19	194.40	19.29	187.20	18.48	179.70	17.67
	6.0	5.0	231.00	27.12	223.50	26.01	194.40	21.69	187.20	20.79	179.70	19.86
	2.0	1.0	231.00	29.19	223.50	28.02	194.40	23.49	187.20	22.47	179.70	21.48
	-1.8	-2.2	231.00	31.41	223.50	30.18	194.40	25.35	187.20	24.30	179.70	23.22
	-3.6	-4.0	231.00	32.52	223.50	31.26	194.40	26.37	187.20	25.26	179.70	24.15
	-7.1	-7.6	231.00	34.80	223.50	33.51	194.40	28.41	187.20	27.24	179.70	26.07
-12.6	-13.0	226.80	37.26	220.20	36.18	194.40	31.83	187.20	30.54	179.70	29.25	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM216*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	201.90	8.13	195.60	7.89	170.10	6.99	163.80	6.87	157.20	6.75
	57.0	53.0	201.90	8.52	195.60	8.28	170.10	7.38	163.80	7.23	157.20	7.08
	54.0	50.0	201.90	8.94	195.60	8.70	170.10	7.77	163.80	7.62	157.20	7.44
	51.0	47.0	201.90	9.45	195.60	9.18	170.10	8.22	163.80	8.04	157.20	7.83
	47.0	43.0	201.90	9.93	195.60	9.69	170.10	8.73	163.80	8.49	157.20	8.28
	44.0	40.0	201.90	10.47	195.60	10.20	170.10	9.21	163.80	8.97	157.20	8.73
	39.0	36.0	201.90	11.07	195.60	10.80	170.10	9.72	163.80	9.48	157.20	9.21
	35.0	32.0	201.90	11.79	195.60	11.49	170.10	10.26	163.80	9.99	157.20	9.69
	30.0	28.0	201.90	12.63	195.60	12.27	170.10	10.89	163.80	10.59	157.20	10.26
	26.0	24.0	201.90	13.56	195.60	13.17	170.10	11.58	163.80	11.25	157.20	10.89
	23.0	21.0	201.90	14.61	195.60	14.16	170.10	12.33	163.80	11.94	157.20	11.55
	19.0	18.0	201.90	15.78	195.60	15.24	170.10	13.20	163.80	12.78	157.20	12.33
	17.0	15.0	201.90	16.41	195.60	15.87	170.10	13.68	163.80	13.23	157.20	12.75
	13.0	12.0	201.90	17.70	195.60	17.10	170.10	14.76	163.80	14.22	157.20	13.68
	10.0	9.0	201.90	19.14	195.60	18.48	170.10	15.90	163.80	15.30	157.20	14.70
	6.0	5.0	201.90	21.54	195.60	20.82	170.10	17.88	163.80	17.19	157.20	16.47
	2.0	1.0	201.90	23.28	195.60	22.50	170.10	19.38	163.80	18.60	157.20	17.82
	-1.8	-2.2	201.90	25.23	195.60	24.39	170.10	21.03	163.80	20.16	157.20	19.32
	-3.6	-4.0	201.90	26.25	195.60	25.38	170.10	21.90	163.80	21.03	157.20	20.13
	-7.1	-7.6	201.90	28.26	195.60	27.36	170.10	23.70	163.80	22.74	157.20	21.78
-12.6	-13.0	201.90	31.41	195.60	30.48	170.10	26.76	163.80	25.68	157.20	24.60	
60	60.0	56.0	173.10	6.81	167.70	6.63	145.80	5.91	140.40	5.82	135.00	5.70
	57.0	53.0	173.10	7.14	167.70	6.96	145.80	6.24	140.40	6.12	135.00	6.00
	54.0	50.0	173.10	7.50	167.70	7.32	145.80	6.57	140.40	6.42	135.00	6.30
	51.0	47.0	173.10	7.89	167.70	7.68	145.80	6.93	140.40	6.78	135.00	6.63
	47.0	43.0	173.10	8.28	167.70	8.07	145.80	7.32	140.40	7.14	135.00	6.96
	44.0	40.0	173.10	8.73	167.70	8.52	145.80	7.71	140.40	7.53	135.00	7.35
	39.0	36.0	173.10	9.24	167.70	9.03	145.80	8.16	140.40	7.95	135.00	7.74
	35.0	32.0	173.10	9.81	167.70	9.57	145.80	8.61	140.40	8.40	135.00	8.19
	30.0	28.0	173.10	10.44	167.70	10.17	145.80	9.15	140.40	8.91	135.00	8.64
	26.0	24.0	173.10	11.13	167.70	10.86	145.80	9.69	140.40	9.42	135.00	9.15
	23.0	21.0	173.10	11.91	167.70	11.61	145.80	10.29	140.40	9.99	135.00	9.69
	19.0	18.0	173.10	12.78	167.70	12.39	145.80	10.92	140.40	10.59	135.00	10.26
	17.0	15.0	173.10	13.23	167.70	12.84	145.80	11.28	140.40	10.92	135.00	10.59
	13.0	12.0	173.10	14.19	167.70	13.77	145.80	12.09	140.40	11.70	135.00	11.31
	10.0	9.0	173.10	15.27	167.70	14.79	145.80	12.93	140.40	12.51	135.00	12.09
	6.0	5.0	173.10	17.13	167.70	16.59	145.80	14.40	140.40	13.92	135.00	13.41
	2.0	1.0	173.10	18.51	167.70	17.94	145.80	15.57	140.40	15.03	135.00	14.46
	-1.8	-2.2	173.10	20.10	167.70	19.47	145.80	16.89	140.40	16.26	135.00	15.63
	-3.6	-4.0	173.10	20.94	167.70	20.28	145.80	17.61	140.40	16.95	135.00	16.29
	-7.1	-7.6	173.10	22.65	167.70	21.96	145.80	19.08	140.40	18.36	135.00	17.64
-12.6	-13.0	173.10	25.41	167.70	24.66	145.80	21.63	140.40	20.82	135.00	19.98	
50	60.0	56.0	144.30	5.49	139.80	5.37	121.50	4.83	117.00	4.74	112.50	4.65
	57.0	53.0	144.30	5.76	139.80	5.64	121.50	5.10	117.00	5.01	112.50	4.89
	54.0	50.0	144.30	6.06	139.80	5.91	121.50	5.37	117.00	5.25	112.50	5.13
	51.0	47.0	144.30	6.33	139.80	6.18	121.50	5.67	117.00	5.52	112.50	5.40
	47.0	43.0	144.30	6.60	139.80	6.48	121.50	5.94	117.00	5.79	112.50	5.67
	44.0	40.0	144.30	6.99	139.80	6.84	121.50	6.21	117.00	6.09	112.50	5.94
	39.0	36.0	144.30	7.41	139.80	7.23	121.50	6.57	117.00	6.42	112.50	6.27
	35.0	32.0	144.30	7.83	139.80	7.65	121.50	6.99	117.00	6.81	112.50	6.66
	30.0	28.0	144.30	8.25	139.80	8.07	121.50	7.41	117.00	7.20	112.50	7.02
	26.0	24.0	144.30	8.70	139.80	8.52	121.50	7.80	117.00	7.62	112.50	7.41
	23.0	21.0	144.30	9.24	139.80	9.03	121.50	8.22	117.00	8.01	112.50	7.80
	19.0	18.0	144.30	9.78	139.80	9.54	121.50	8.64	117.00	8.43	112.50	8.22
	17.0	15.0	144.30	10.05	139.80	9.81	121.50	8.85	117.00	8.64	112.50	8.43
	13.0	12.0	144.30	10.65	139.80	10.41	121.50	9.42	117.00	9.18	112.50	8.94
	10.0	9.0	144.30	11.37	139.80	11.10	121.50	9.96	117.00	9.72	112.50	9.45
	6.0	5.0	144.30	12.69	139.80	12.36	121.50	10.95	117.00	10.65	112.50	10.35
	2.0	1.0	144.30	13.77	139.80	13.38	121.50	11.76	117.00	11.43	112.50	11.10
	-1.8	-2.2	144.30	14.97	139.80	14.52	121.50	12.75	117.00	12.36	112.50	11.97
	-3.6	-4.0	144.30	15.63	139.80	15.18	121.50	13.29	117.00	12.87	112.50	12.45
	-7.1	-7.6	144.30	17.07	139.80	16.53	121.50	14.49	117.00	14.01	112.50	13.53
-12.6	-13.0	144.30	19.41	139.80	18.84	121.50	16.50	117.00	15.93	112.50	15.36	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
130	23.0	202.70	5.20	246.40	6.77	290.10	8.34	312.00	9.14	355.70	10.27	377.60	10.84	421.30	11.97		
	27.0	202.70	5.23	246.40	6.81	290.10	8.40	312.00	9.18	355.70	10.31	377.60	10.88	421.30	12.04		
	32.0	202.70	5.31	246.40	6.91	290.10	8.50	312.00	9.28	355.70	10.41	377.60	11.00	421.30	12.14		
	37.0	202.70	5.44	246.40	7.03	290.10	8.60	312.00	9.40	355.70	10.54	377.60	11.11	421.30	12.27		
	41.0	202.70	5.51	246.40	7.10	290.10	8.67	312.00	9.47	355.70	10.61	377.60	11.21	421.30	12.41		
	46.0	202.70	5.64	246.40	7.24	290.10	8.81	312.00	9.61	355.70	10.84	377.60	11.45	421.30	12.71		
	50.0	202.70	5.80	246.40	7.37	290.10	8.94	312.00	9.74	355.70	11.04	377.60	11.70	421.30	13.01		
	54.0	202.70	6.00	246.40	7.58	290.10	9.17	312.00	9.97	355.70	11.31	377.60	12.01	421.30	13.38		
	57.0	202.70	6.20	246.40	7.78	290.10	9.40	312.00	10.21	355.70	11.64	377.60	12.35	420.40	13.77		
	61.0	202.70	6.37	246.40	8.03	290.10	9.71	312.00	10.54	355.70	12.01	377.60	12.77	419.50	14.23		
	64.0	202.70	6.64	246.40	8.34	290.10	10.04	312.00	10.88	355.70	12.44	377.60	13.24	418.50	14.79		
	68.0	202.70	6.91	246.40	8.64	290.10	10.44	312.00	11.34	355.70	13.01	377.60	13.91	417.00	15.55		
	72.0	202.70	7.21	246.40	9.01	290.10	10.91	312.00	11.91	355.70	13.71	377.60	14.71	414.60	16.47		
	75.0	202.70	7.48	246.40	9.40	290.10	11.50	312.00	12.61	355.70	14.61	377.60	15.68	412.20	17.56		
	79.0	202.70	7.87	246.40	9.94	290.10	12.21	312.00	13.44	355.70	15.61	377.60	16.81	409.90	18.82		
	82.0	202.70	8.27	246.40	10.51	290.10	13.01	312.00	14.37	355.70	16.82	377.60	18.15	407.30	20.19		
	86.0	202.70	8.74	246.40	11.25	290.10	13.97	312.00	15.51	355.70	18.15	377.60	19.58	405.00	21.71		
	90.0	202.70	9.44	246.40	12.01	290.10	15.14	312.00	16.75	355.70	19.51	377.30	21.09	402.60	23.43		
	93.0	202.70	10.00	246.40	13.14	290.10	16.34	312.00	17.98	355.70	21.11	376.30	22.82	400.20	25.08		
	95.0	202.70	10.57	246.40	13.72	290.10	16.94	312.00	18.62	355.70	21.99	375.80	23.70	399.00	25.40		
99.0	202.70	11.70	246.40	14.88	290.10	18.25	312.00	20.21	355.70	23.82	373.90	25.40	382.30	24.69			
102.0	202.70	12.81	246.40	16.04	290.10	19.85	312.00	21.91	348.40	24.82	351.30	24.35	355.00	23.14			
106.0	202.70	13.84	246.40	17.51	290.10	21.58	312.00	23.75	322.00	23.38	323.70	22.75	327.90	21.58			
111.0	202.70	15.92	246.40	20.05	273.60	22.35	276.70	22.15	280.40	20.92	282.60	20.35	287.00	19.24			
115.0	202.70	17.61	238.30	20.98	245.00	20.59	248.30	20.41	252.70	19.28	255.00	18.75	260.00	17.68			
118.0	202.70	19.61	209.60	19.22	216.40	18.85	219.90	18.67	225.00	17.65	227.60	17.14	232.70	16.12			
120.0	198.65	19.81	200.61	19.20	204.00	18.38	205.60	17.85	210.70	16.81	213.40	16.31	219.30	15.35			
120	23.0	187.30	4.84	227.60	6.24	267.90	7.64	288.00	8.34	328.30	9.38	348.40	9.91	388.70	10.97		
	27.0	187.30	4.87	227.60	6.27	267.90	7.68	288.00	8.38	328.30	9.44	348.40	9.97	388.70	11.01		
	32.0	187.30	4.94	227.60	6.37	267.90	7.77	288.00	8.47	328.30	9.54	348.40	10.05	388.70	11.11		
	37.0	187.30	5.07	227.60	6.47	267.90	7.87	288.00	8.58	328.30	9.64	348.40	10.17	388.70	11.21		
	41.0	187.30	5.14	227.60	6.54	267.90	7.94	288.00	8.64	328.30	9.71	348.40	10.24	388.70	11.34		
	46.0	187.30	5.24	227.60	6.67	267.90	8.08	288.00	8.78	328.30	9.88	348.40	10.44	388.70	11.57		
	50.0	187.30	5.40	227.60	6.80	267.90	8.20	288.00	8.90	328.30	10.07	348.40	10.65	388.70	11.84		
	54.0	187.30	5.54	227.60	6.97	267.90	8.37	288.00	9.08	328.30	10.30	348.40	10.91	388.70	12.14		
	57.0	187.30	5.70	227.60	7.13	267.90	8.57	288.00	9.30	328.30	10.57	348.40	11.20	388.70	12.48		
	61.0	187.30	5.84	227.60	7.33	267.90	8.83	288.00	9.58	328.30	10.88	348.40	11.54	388.70	12.90		
	64.0	187.30	6.07	227.60	7.57	267.90	9.11	288.00	9.88	328.30	11.25	348.40	11.95	388.70	13.41		
	68.0	187.30	6.27	227.60	7.84	267.90	9.44	288.00	10.27	328.30	11.74	348.40	12.48	388.70	14.08		
	72.0	187.30	6.51	227.60	8.17	267.90	9.87	288.00	10.74	328.30	12.31	348.40	13.15	388.70	14.94		
	75.0	187.30	6.78	227.60	8.51	267.90	10.37	288.00	11.34	328.30	13.07	348.40	13.98	388.70	15.98		
	79.0	187.30	7.14	227.60	9.01	267.90	11.01	288.00	12.08	328.30	13.97	348.40	15.01	388.70	17.25		
	82.0	187.30	7.53	227.60	9.54	267.90	11.75	288.00	12.94	328.30	15.04	348.40	16.18	388.70	18.62		
	86.0	187.30	7.97	227.60	10.20	267.90	12.64	288.00	13.95	328.30	16.25	348.40	17.48	388.70	20.09		
	90.0	187.30	8.53	227.60	10.91	267.90	13.64	288.00	15.11	328.30	17.55	348.40	18.82	388.70	21.68		
	93.0	187.30	9.04	227.60	11.84	267.90	14.78	288.00	16.32	328.30	18.87	348.40	20.29	387.90	23.35		
	95.0	187.30	9.51	227.60	12.37	267.90	15.37	288.00	16.92	328.30	19.61	348.40	21.09	387.40	24.18		
99.0	187.30	10.48	227.60	13.44	267.90	16.57	288.00	18.25	328.30	21.18	348.40	22.75	377.30	24.62			
102.0	187.30	11.47	227.60	14.55	267.90	17.95	288.00	19.72	328.30	22.82	343.70	23.89	350.30	23.11			
106.0	187.30	12.54	227.60	15.88	267.90	19.45	288.00	21.29	315.60	23.01	318.30	22.55	323.30	21.55			
111.0	187.30	14.48	227.60	18.11	264.00	21.48	270.30	21.71	274.70	20.65	277.30	20.15	282.40	19.21			
115.0	187.30	16.01	225.60	19.58	236.70	19.88	242.00	19.98	247.00	19.01	249.70	18.55	255.30	17.65			
118.0	187.30	17.68	197.70	17.91	208.30	18.12	213.60	18.24	219.30	17.38	222.30	16.95	228.00	16.08			
120.0	183.55	17.85	191.34	18.02	197.30	17.71	199.30	17.41	205.00	16.52	208.00	16.11	214.60	15.31			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)	61 (16.1°C, WB)	64 (17.8°C, WB)	67 (19.4°C, WB)	70 (21.1°C, WB)	72 (22.2°C, WB)	75 (23.9°C, WB)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)
110	23.0	171.60	4.47	208.60	5.71	245.60	6.94	264.00	7.54	301.00	8.51	319.40	9.00	356.40	9.94
	27.0	171.60	4.51	208.60	5.74	245.60	6.97	264.00	7.60	301.00	8.54	319.40	9.04	356.40	10.00
	32.0	171.60	4.57	208.60	5.81	245.60	7.04	264.00	7.67	301.00	8.64	319.40	9.11	356.40	10.08
	37.0	171.60	4.67	208.60	5.91	245.60	7.14	264.00	7.77	301.00	8.74	319.40	9.21	356.40	10.18
	41.0	171.60	4.74	208.60	5.98	245.60	7.23	264.00	7.84	301.00	8.81	319.40	9.30	356.40	10.27
	46.0	171.60	4.87	208.60	6.10	245.60	7.34	264.00	7.97	301.00	8.94	319.40	9.44	356.40	10.44
	50.0	171.60	5.00	208.60	6.21	245.60	7.44	264.00	8.04	301.00	9.10	319.40	9.61	356.40	10.64
	54.0	171.60	5.08	208.60	6.34	245.60	7.58	264.00	8.21	301.00	9.28	319.40	9.81	356.40	10.91
	57.0	171.60	5.20	208.60	6.47	245.60	7.74	264.00	8.38	301.00	9.50	319.40	10.05	356.40	11.18
	61.0	171.60	5.31	208.60	6.64	245.60	7.97	264.00	8.63	301.00	9.77	319.40	10.34	356.40	11.51
	64.0	171.60	5.47	208.60	6.83	245.60	8.20	264.00	8.88	301.00	10.08	319.40	10.70	356.40	11.95
	68.0	171.60	5.63	208.60	7.03	245.60	8.47	264.00	9.20	301.00	10.47	319.40	11.14	356.40	12.51
	72.0	171.60	5.83	208.60	7.31	245.60	8.83	264.00	9.61	301.00	10.97	319.40	11.68	356.40	13.18
	75.0	171.60	6.07	208.60	7.64	245.60	9.27	264.00	10.10	301.00	11.60	319.40	12.38	356.40	14.05
	79.0	171.60	6.41	208.60	8.07	245.60	9.84	264.00	10.74	301.00	12.38	319.40	13.27	356.40	15.15
	82.0	171.60	6.77	208.60	8.57	245.60	10.51	264.00	11.54	301.00	13.35	319.40	14.34	356.40	16.41
	86.0	171.60	7.17	208.60	9.17	245.60	11.31	264.00	12.48	301.00	14.45	319.40	15.48	356.40	17.71
	90.0	171.60	7.63	208.60	9.80	245.60	12.21	264.00	13.52	301.00	15.62	319.40	16.75	356.40	19.04
	93.0	171.60	8.11	208.60	10.60	245.60	13.25	264.00	14.67	301.00	16.88	319.40	18.02	356.40	20.44
	95.0	171.60	8.47	208.60	11.04	245.60	13.81	264.00	15.28	301.00	17.51	319.40	18.68	356.40	21.18
99.0	171.60	9.27	208.60	12.04	245.60	14.95	264.00	16.48	301.00	18.84	319.40	20.08	356.40	22.75	
102.0	171.60	10.14	208.60	13.10	245.60	16.18	264.00	17.77	301.00	20.25	319.40	21.55	356.40	23.02	
106.0	171.60	11.21	208.60	14.31	245.60	17.48	264.00	19.12	300.60	21.68	311.70	22.21	318.40	21.51	
111.0	171.60	13.07	208.60	16.28	245.30	19.55	261.70	21.02	269.00	20.35	271.70	19.95	277.70	19.18	
115.0	171.60	14.38	208.00	17.62	228.40	19.12	235.70	19.55	241.30	18.74	244.30	18.35	250.60	17.61	
118.0	171.60	15.77	185.70	16.58	200.00	17.41	207.30	17.81	213.70	17.11	217.00	16.75	223.40	16.05	
120.0	169.88	16.10	177.53	16.34	190.40	17.07	193.00	16.98	199.30	16.25	202.70	15.91	209.70	15.28	
100	23.0	156.00	4.11	189.60	5.17	223.30	6.23	240.00	6.77	273.60	7.64	290.40	8.07	324.00	8.94
	27.0	156.00	4.16	189.60	5.21	223.30	6.27	240.00	6.80	273.60	7.67	290.40	8.11	324.00	8.98
	32.0	156.00	4.20	189.60	5.27	223.30	6.34	240.00	6.87	273.60	7.74	290.40	8.18	324.00	9.07
	37.0	156.00	4.28	189.60	5.37	223.30	6.43	240.00	6.97	273.60	7.84	290.40	8.28	324.00	9.17
	41.0	156.00	4.37	189.60	5.44	223.30	6.50	240.00	7.04	273.60	7.91	290.40	8.34	324.00	9.21
	46.0	156.00	4.47	189.60	5.54	223.30	6.61	240.00	7.14	273.60	8.03	290.40	8.47	324.00	9.34
	50.0	156.00	4.60	189.60	5.64	223.30	6.70	240.00	7.21	273.60	8.11	290.40	8.57	324.00	9.47
	54.0	156.00	4.63	189.60	5.71	223.30	6.80	240.00	7.34	273.60	8.27	290.40	8.74	324.00	9.67
	57.0	156.00	4.71	189.60	5.81	223.30	6.93	240.00	7.47	273.60	8.44	290.40	8.91	324.00	9.88
	61.0	156.00	4.80	189.60	5.94	223.30	7.10	240.00	7.67	273.60	8.67	290.40	9.17	324.00	10.17
	64.0	156.00	4.90	189.60	6.08	223.30	7.30	240.00	7.90	273.60	8.94	290.40	9.47	324.00	10.54
	68.0	156.00	4.97	189.60	6.24	223.30	7.51	240.00	8.17	273.60	9.27	290.40	9.84	324.00	11.01
	72.0	156.00	5.13	189.60	6.47	223.30	7.81	240.00	8.48	273.60	9.67	290.40	10.28	324.00	11.55
	75.0	156.00	5.37	189.60	6.77	223.30	8.18	240.00	8.91	273.60	10.20	290.40	10.87	324.00	12.25
	79.0	156.00	5.67	189.60	7.14	223.30	8.67	240.00	9.44	273.60	10.85	290.40	11.58	324.00	13.18
	82.0	156.00	6.03	189.60	7.61	223.30	9.28	240.00	10.17	273.60	11.74	290.40	12.57	324.00	14.28
	86.0	156.00	6.37	189.60	8.14	223.30	10.04	240.00	11.05	273.60	12.74	290.40	13.61	324.00	15.48
	90.0	156.00	6.73	189.60	8.71	223.30	10.87	240.00	12.01	273.60	13.81	290.40	14.74	324.00	16.75
	93.0	156.00	7.17	189.60	9.40	223.30	11.78	240.00	13.02	273.60	14.98	290.40	15.98	324.00	17.92
	95.0	156.00	7.44	189.60	9.77	223.30	12.28	240.00	13.61	273.60	15.61	290.40	16.57	324.00	18.51
99.0	156.00	8.05	189.60	10.65	223.30	13.41	240.00	14.84	273.60	16.75	290.40	17.74	324.00	19.78	
102.0	156.00	8.80	189.60	11.64	223.30	14.54	240.00	15.98	273.60	17.95	290.40	18.98	324.00	21.18	
106.0	156.00	9.88	189.60	12.78	223.30	15.68	240.00	17.14	273.60	19.22	290.40	20.31	313.70	21.48	
111.0	156.00	11.64	189.60	14.55	223.30	17.51	240.00	19.01	262.40	19.99	266.40	19.75	273.00	19.14	
115.0	156.00	12.77	189.60	15.71	219.00	18.27	229.30	19.12	235.70	18.45	239.00	18.15	246.00	17.58	
118.0	156.00	13.85	174.00	15.27	191.90	16.68	200.70	17.38	208.00	16.84	211.60	16.57	218.70	16.01	
120.0	154.44	14.14	166.34	15.04	183.70	16.41	186.60	16.55	193.70	15.98	197.40	15.72	205.10	15.25	

1) The performance table shows the average value of each conditions.

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9. Capacity Table

AM240*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
90	23.0	140.40	3.74	170.70	4.67	201.00	5.58	216.00	6.04	246.30	6.81	261.30	7.18	291.60	7.94
	27.0	140.40	3.77	170.70	4.70	201.00	5.61	216.00	6.07	246.30	6.84	261.30	7.21	291.60	7.98
	32.0	140.40	3.83	170.70	4.74	201.00	5.67	216.00	6.14	246.30	6.91	261.30	7.30	291.60	8.05
	37.0	140.40	3.90	170.70	4.83	201.00	5.77	216.00	6.23	246.30	7.00	261.30	7.37	291.60	8.14
	41.0	140.40	3.97	170.70	4.90	201.00	5.81	216.00	6.28	246.30	7.04	261.30	7.44	291.60	8.20
	46.0	140.40	4.07	170.70	5.00	201.00	5.93	216.00	6.40	246.30	7.17	261.30	7.54	291.60	8.31
	50.0	140.40	4.17	170.70	5.10	201.00	6.00	216.00	6.46	246.30	7.24	261.30	7.64	291.60	8.41
	54.0	140.40	4.23	170.70	5.17	201.00	6.10	216.00	6.57	246.30	7.37	261.30	7.77	291.60	8.57
	57.0	140.40	4.31	170.70	5.26	201.00	6.20	216.00	6.67	246.30	7.50	261.30	7.91	291.60	8.74
	61.0	140.40	4.40	170.70	5.37	201.00	6.34	216.00	6.84	246.30	7.70	261.30	8.11	291.60	8.98
	64.0	140.40	4.47	170.70	5.50	201.00	6.51	216.00	7.03	246.30	7.91	261.30	8.37	291.60	9.28
	68.0	140.40	4.54	170.70	5.61	201.00	6.71	216.00	7.24	246.30	8.20	261.30	8.67	291.60	9.65
	72.0	140.40	4.67	170.70	5.81	201.00	6.97	216.00	7.54	246.30	8.54	261.30	9.07	291.60	10.14
	75.0	140.40	4.87	170.70	6.07	201.00	7.27	216.00	7.88	246.30	8.98	261.30	9.54	291.60	10.71
	79.0	140.40	5.11	170.70	6.37	201.00	7.68	216.00	8.34	246.30	9.54	261.30	10.14	291.60	11.38
	82.0	140.40	5.38	170.70	6.76	201.00	8.18	216.00	8.91	246.30	10.20	261.30	10.87	291.60	12.24
	86.0	140.40	5.68	170.70	7.20	201.00	8.78	216.00	9.61	246.30	11.00	261.30	11.71	291.60	13.21
	90.0	140.40	6.00	170.70	7.67	201.00	9.47	216.00	10.38	246.30	11.87	261.30	12.64	291.60	14.25
	93.0	140.40	6.38	170.70	8.27	201.00	10.21	216.00	11.24	246.30	12.84	261.30	13.67	291.60	15.35
	95.0	140.40	6.64	170.70	8.60	201.00	10.64	216.00	11.71	246.30	13.37	261.30	14.21	291.60	15.88
	99.0	140.40	7.24	170.70	9.38	201.00	11.61	216.00	12.77	246.30	14.44	261.30	15.28	291.60	16.98
102.0	140.40	7.94	170.70	10.24	201.00	12.61	216.00	13.81	246.30	15.52	261.30	16.41	291.60	18.18	
106.0	140.40	8.83	170.70	11.21	201.00	13.68	216.00	14.92	246.30	16.71	261.30	17.64	291.60	19.55	
111.0	140.40	10.34	170.70	12.88	201.00	15.47	216.00	16.79	245.60	18.65	256.30	19.14	268.30	19.11	
115.0	140.40	11.41	170.70	14.04	200.00	16.68	214.00	17.94	225.90	17.88	231.10	17.79	241.30	17.55	
118.0	140.40	12.57	160.00	14.18	179.60	15.81	189.30	16.64	199.30	16.38	204.10	16.25	214.00	16.01	
120.0	140.40	12.97	155.60	14.24	169.30	15.37	175.00	15.81	185.00	15.54	190.00	15.41	200.40	15.24	
80	23.0	124.70	3.36	151.70	4.14	178.60	4.94	192.00	5.33	219.00	5.97	232.30	6.30	259.30	6.94
	27.0	124.70	3.40	151.70	4.18	178.60	4.97	192.00	5.37	219.00	6.01	232.30	6.34	259.30	6.98
	32.0	124.70	3.44	151.70	4.24	178.60	5.03	192.00	5.43	219.00	6.07	232.30	6.40	259.30	7.04
	37.0	124.70	3.51	151.70	4.30	178.60	5.10	192.00	5.48	219.00	6.14	232.30	6.47	259.30	7.11
	41.0	124.70	3.54	151.70	4.34	178.60	5.14	192.00	5.54	219.00	6.20	232.30	6.53	259.30	7.18
	46.0	124.70	3.64	151.70	4.44	178.60	5.24	192.00	5.64	219.00	6.30	232.30	6.63	259.30	7.27
	50.0	124.70	3.77	151.70	4.54	178.60	5.31	192.00	5.70	219.00	6.37	232.30	6.70	259.30	7.37
	54.0	124.70	3.84	151.70	4.61	178.60	5.40	192.00	5.77	219.00	6.44	232.30	6.78	259.30	7.47
	57.0	124.70	3.90	151.70	4.70	178.60	5.47	192.00	5.87	219.00	6.57	232.30	6.91	259.30	7.60
	61.0	124.70	3.97	151.70	4.80	178.60	5.60	192.00	6.01	219.00	6.71	232.30	7.08	259.30	7.80
	64.0	124.70	4.07	151.70	4.90	178.60	5.74	192.00	6.17	219.00	6.91	232.30	7.28	259.30	8.04
	68.0	124.70	4.13	151.70	5.01	178.60	5.91	192.00	6.37	219.00	7.14	232.30	7.54	259.30	8.34
	72.0	124.70	4.23	151.70	5.17	178.60	6.11	192.00	6.60	219.00	7.44	232.30	7.87	259.30	8.74
	75.0	124.70	4.37	151.70	5.37	178.60	6.38	192.00	6.90	219.00	7.81	232.30	8.28	259.30	9.24
	79.0	124.70	4.54	151.70	5.61	178.60	6.71	192.00	7.27	219.00	8.27	232.30	8.77	259.30	9.81
	82.0	124.70	4.74	151.70	5.91	178.60	7.11	192.00	7.71	219.00	8.78	232.30	9.31	259.30	10.44
	86.0	124.70	5.00	151.70	6.27	178.60	7.57	192.00	8.24	219.00	9.37	232.30	9.97	259.30	11.18
	90.0	124.70	5.27	151.70	6.67	178.60	8.10	192.00	8.84	219.00	10.07	232.30	10.71	259.30	12.04
	93.0	124.70	5.61	151.70	7.14	178.60	8.71	192.00	9.51	219.00	10.85	232.30	11.54	259.30	12.94
	95.0	124.70	5.87	151.70	7.44	178.60	9.07	192.00	9.90	219.00	11.28	232.30	11.98	259.30	13.42
	99.0	124.70	6.41	151.70	8.13	178.60	9.88	192.00	10.77	219.00	12.21	232.30	12.94	259.30	14.41
102.0	124.70	7.08	151.70	8.90	178.60	10.75	192.00	11.71	219.00	13.18	232.30	13.94	259.30	15.45	
106.0	124.70	7.77	151.70	9.70	178.60	11.70	192.00	12.72	219.00	14.27	232.30	15.04	259.30	16.57	
111.0	124.70	9.04	151.70	11.21	178.60	13.44	192.00	14.55	219.00	16.17	232.30	16.98	259.30	18.61	
115.0	124.70	10.04	151.70	12.37	178.60	14.75	192.00	15.98	214.10	17.08	222.30	17.32	236.60	17.54	
118.0	124.70	11.28	146.00	13.12	167.30	14.97	178.00	15.88	190.40	15.92	196.70	15.94	209.30	15.98	
120.0	124.70	11.62	137.30	12.78	155.00	14.31	163.70	15.07	176.30	15.08	182.70	15.11	195.70	15.21	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
70	23.0	109.30	2.97	132.70	3.63	156.30	4.30	168.00	4.64	191.60	5.17	203.30	5.44	226.70	5.98		
	27.0	109.30	3.00	132.70	3.67	156.30	4.34	168.00	4.67	191.60	5.21	203.30	5.48	226.70	6.01		
	32.0	109.30	3.06	132.70	3.73	156.30	4.40	168.00	4.73	191.60	5.27	203.30	5.54	226.70	6.07		
	37.0	109.30	3.11	132.70	3.77	156.30	4.44	168.00	4.78	191.60	5.33	203.30	5.60	226.70	6.14		
	41.0	109.30	3.14	132.70	3.81	156.30	4.50	168.00	4.83	191.60	5.37	203.30	5.64	226.70	6.20		
	46.0	109.30	3.23	132.70	3.90	156.30	4.57	168.00	4.91	191.60	5.47	203.30	5.74	226.70	6.27		
	50.0	109.30	3.34	132.70	4.00	156.30	4.64	168.00	4.97	191.60	5.51	203.30	5.80	226.70	6.34		
	54.0	109.30	3.40	132.70	4.06	156.30	4.71	168.00	5.04	191.60	5.60	203.30	5.87	226.70	6.41		
	57.0	109.30	3.46	132.70	4.13	156.30	4.78	168.00	5.11	191.60	5.68	203.30	5.97	226.70	6.54		
	61.0	109.30	3.53	132.70	4.20	156.30	4.87	168.00	5.23	191.60	5.81	203.30	6.10	226.70	6.70		
	64.0	109.30	3.60	132.70	4.30	156.30	5.00	168.00	5.34	191.60	5.97	203.30	6.27	226.70	6.88		
	68.0	109.30	3.66	132.70	4.40	156.30	5.14	168.00	5.51	191.60	6.14	203.30	6.47	226.70	7.14		
	72.0	109.30	3.74	132.70	4.51	156.30	5.31	168.00	5.71	191.60	6.40	203.30	6.74	226.70	7.44		
	75.0	109.30	3.83	132.70	4.67	156.30	5.53	168.00	5.94	191.60	6.70	203.30	7.08	226.70	7.87		
	79.0	109.30	3.96	132.70	4.87	156.30	5.78	168.00	6.24	191.60	7.07	203.30	7.50	226.70	8.34		
	82.0	109.30	4.10	132.70	5.10	156.30	6.10	168.00	6.61	191.60	7.50	203.30	7.94	226.70	8.84		
	86.0	109.30	4.30	132.70	5.37	156.30	6.44	168.00	7.00	191.60	7.94	203.30	8.41	226.70	9.40		
	90.0	109.30	4.53	132.70	5.68	156.30	6.87	168.00	7.44	191.60	8.48	203.30	9.01	226.70	10.10		
	93.0	109.30	4.81	132.70	6.07	156.30	7.34	168.00	7.97	191.60	9.11	203.30	9.68	226.70	10.84		
	95.0	109.30	5.04	132.70	6.31	156.30	7.63	168.00	8.30	191.60	9.47	203.30	10.05	226.70	11.27		
99.0	109.30	5.50	132.70	6.88	156.30	8.30	168.00	9.01	191.60	10.24	203.30	10.87	226.70	12.11			
102.0	109.30	6.10	132.70	7.57	156.30	9.07	168.00	9.81	191.60	11.11	203.30	11.75	226.70	13.05			
106.0	109.30	6.64	132.70	8.24	156.30	9.88	168.00	10.74	191.60	12.08	203.30	12.75	226.70	14.10			
111.0	109.30	7.73	132.70	9.58	156.30	11.47	168.00	12.41	191.60	13.78	203.30	14.48	226.70	15.85			
115.0	109.30	8.61	132.70	10.61	156.30	12.67	168.00	13.71	191.40	15.11	202.60	15.74	223.30	16.82			
118.0	109.30	9.81	130.30	11.68	151.30	13.55	161.70	14.48	176.30	14.88	183.40	15.08	198.00	15.47			
120.0	109.30	10.11	120.40	11.78	140.30	13.52	150.30	14.41	164.30	14.58	171.30	14.68	185.70	14.88			
60	23.0	93.60	2.54	113.70	3.13	134.00	3.70	144.00	3.97	164.10	4.40	174.30	4.63	194.40	5.04		
	27.0	93.60	2.58	113.70	3.16	134.00	3.73	144.00	4.01	164.10	4.44	174.30	4.66	194.40	5.07		
	32.0	93.60	2.64	113.70	3.21	134.00	3.77	144.00	4.07	164.10	4.50	174.30	4.70	194.40	5.13		
	37.0	93.60	2.70	113.70	3.27	134.00	3.84	144.00	4.13	164.10	4.54	174.30	4.77	194.40	5.18		
	41.0	93.60	2.74	113.70	3.30	134.00	3.87	144.00	4.17	164.10	4.60	174.30	4.80	194.40	5.23		
	46.0	93.60	2.80	113.70	3.37	134.00	3.94	144.00	4.23	164.10	4.67	174.30	4.87	194.40	5.31		
	50.0	93.60	2.90	113.70	3.44	134.00	4.00	144.00	4.27	164.10	4.71	174.30	4.93	194.40	5.37		
	54.0	93.60	2.94	113.70	3.50	134.00	4.06	144.00	4.34	164.10	4.77	174.30	5.00	194.40	5.44		
	57.0	93.60	2.97	113.70	3.54	134.00	4.11	144.00	4.40	164.10	4.84	174.30	5.07	194.40	5.53		
	61.0	93.60	3.03	113.70	3.60	134.00	4.20	144.00	4.47	164.10	4.94	174.30	5.17	194.40	5.64		
	64.0	93.60	3.10	113.70	3.70	134.00	4.28	144.00	4.58	164.10	5.07	174.30	5.31	194.40	5.80		
	68.0	93.60	3.14	113.70	3.77	134.00	4.40	144.00	4.70	164.10	5.23	174.30	5.47	194.40	6.00		
	72.0	93.60	3.21	113.70	3.87	134.00	4.53	144.00	4.87	164.10	5.41	174.30	5.68	194.40	6.24		
	75.0	93.60	3.27	113.70	3.97	134.00	4.70	144.00	5.04	164.10	5.64	174.30	5.94	194.40	6.54		
	79.0	93.60	3.36	113.70	4.13	134.00	4.90	144.00	5.28	164.10	5.94	174.30	6.27	194.40	6.94		
	82.0	93.60	3.44	113.70	4.28	134.00	5.14	144.00	5.57	164.10	6.27	174.30	6.64	194.40	7.37		
	86.0	93.60	3.60	113.70	4.50	134.00	5.40	144.00	5.84	164.10	6.63	174.30	7.01	194.40	7.80		
	90.0	93.60	3.77	113.70	4.74	134.00	5.71	144.00	6.20	164.10	7.04	174.30	7.47	194.40	8.34		
	93.0	93.60	3.97	113.70	5.01	134.00	6.07	144.00	6.58	164.10	7.53	174.30	8.00	194.40	8.94		
	95.0	93.60	4.14	113.70	5.21	134.00	6.28	144.00	6.83	164.10	7.81	174.30	8.30	194.40	9.30		
99.0	93.60	4.47	113.70	5.67	134.00	6.84	144.00	7.44	164.10	8.48	174.30	9.01	194.40	10.07			
102.0	93.60	4.97	113.70	6.23	134.00	7.50	144.00	8.14	164.10	9.24	174.30	9.80	194.40	10.91			
106.0	93.60	5.44	113.70	6.83	134.00	8.24	144.00	8.97	164.10	10.13	174.30	10.71	194.40	11.88			
111.0	93.60	6.37	113.70	7.98	134.00	9.61	144.00	10.44	164.10	11.67	174.30	12.28	194.40	13.51			
115.0	93.60	7.11	113.70	8.87	134.00	10.61	144.00	11.51	164.10	12.78	174.30	13.44	194.40	14.71			
118.0	93.60	8.17	112.60	9.87	131.40	11.57	140.90	12.41	156.60	13.24	164.30	13.65	180.00	14.48			
120.0	93.60	8.43	106.70	10.64	125.40	12.42	135.00	13.31	149.00	13.77	156.00	13.97	170.00	14.28			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	78.00	2.13	94.70	2.60	111.60	3.07	120.00	3.31	136.70	3.64	145.30	3.80	162.00	4.11
	27.0	78.00	2.17	94.70	2.64	111.60	3.11	120.00	3.36	136.70	3.67	145.30	3.83	162.00	4.14
	32.0	78.00	2.23	94.70	2.70	111.60	3.17	120.00	3.40	136.70	3.71	145.30	3.87	162.00	4.20
	37.0	78.00	2.30	94.70	2.76	111.60	3.23	120.00	3.46	136.70	3.77	145.30	3.93	162.00	4.24
	41.0	78.00	2.33	94.70	2.80	111.60	3.27	120.00	3.50	136.70	3.80	145.30	3.97	162.00	4.27
	46.0	78.00	2.37	94.70	2.84	111.60	3.31	120.00	3.54	136.70	3.87	145.30	4.03	162.00	4.34
	50.0	78.00	2.44	94.70	2.90	111.60	3.34	120.00	3.57	136.70	3.90	145.30	4.07	162.00	4.40
	54.0	78.00	2.47	94.70	2.94	111.60	3.40	120.00	3.63	136.70	3.97	145.30	4.13	162.00	4.44
	57.0	78.00	2.50	94.70	2.97	111.60	3.44	120.00	3.70	136.70	4.03	145.30	4.20	162.00	4.53
	61.0	78.00	2.53	94.70	3.01	111.60	3.50	120.00	3.74	136.70	4.10	145.30	4.27	162.00	4.60
	64.0	78.00	2.57	94.70	3.07	111.60	3.57	120.00	3.83	136.70	4.17	145.30	4.34	162.00	4.70
	68.0	78.00	2.64	94.70	3.14	111.60	3.66	120.00	3.91	136.70	4.30	145.30	4.50	162.00	4.87
	72.0	78.00	2.70	94.70	3.21	111.60	3.74	120.00	4.01	136.70	4.44	145.30	4.64	162.00	5.07
	75.0	78.00	2.71	94.70	3.28	111.60	3.86	120.00	4.14	136.70	4.60	145.30	4.83	162.00	5.28
	79.0	78.00	2.74	94.70	3.38	111.60	4.01	120.00	4.34	136.70	4.84	145.30	5.08	162.00	5.57
	82.0	78.00	2.80	94.70	3.47	111.60	4.17	120.00	4.53	136.70	5.08	145.30	5.37	162.00	5.93
	86.0	78.00	2.87	94.70	3.63	111.60	4.37	120.00	4.73	136.70	5.34	145.30	5.67	162.00	6.28
	90.0	78.00	3.03	94.70	3.80	111.60	4.57	120.00	4.97	136.70	5.64	145.30	6.00	162.00	6.70
	93.0	78.00	3.14	94.70	3.97	111.60	4.81	120.00	5.23	136.70	6.00	145.30	6.40	162.00	7.17
	95.0	78.00	3.24	94.70	4.10	111.60	4.94	120.00	5.37	136.70	6.20	145.30	6.60	162.00	7.41
99.0	78.00	3.47	94.70	4.44	111.60	5.43	120.00	5.91	136.70	6.78	145.30	7.21	162.00	8.08	
102.0	78.00	3.83	94.70	4.90	111.60	5.97	120.00	6.50	136.70	7.44	145.30	7.90	162.00	8.84	
106.0	78.00	4.24	94.70	5.43	111.60	6.61	120.00	7.21	136.70	8.21	145.30	8.71	162.00	9.70	
111.0	78.00	5.01	94.70	6.41	111.60	7.81	120.00	8.51	136.70	9.61	145.30	10.17	162.00	11.27	
115.0	78.00	5.61	94.70	7.13	111.60	8.64	120.00	9.40	136.70	10.58	145.30	11.18	162.00	12.38	
118.0	78.00	6.51	94.70	8.04	111.60	9.60	120.00	10.37	136.70	11.61	145.30	12.24	162.00	13.48	
120.0	78.00	6.71	94.70	8.77	111.60	10.34	120.00	11.08	132.30	11.94	139.30	12.34	154.60	13.11	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	416.70	25.97	403.70	24.06	351.00	17.10	337.90	16.29	324.70	15.52
	57.0	53.0	416.70	28.17	403.70	26.16	351.00	18.72	337.90	17.76	324.70	16.84
	54.0	50.0	416.70	30.52	403.70	28.32	351.00	20.47	337.90	19.38	324.70	18.29
	51.0	47.0	416.70	33.02	403.70	30.78	351.00	22.41	337.90	21.10	324.70	19.84
	47.0	43.0	416.70	35.50	403.70	33.22	351.00	24.52	337.90	22.98	324.70	21.52
	44.0	40.0	416.70	38.06	403.70	35.73	351.00	26.80	337.90	25.05	324.70	23.37
	39.0	36.0	416.70	40.80	403.70	38.33	351.00	29.14	337.90	27.22	324.70	25.38
	35.0	32.0	416.70	43.57	403.70	41.04	351.00	31.48	337.90	29.43	324.70	27.43
	30.0	28.0	416.70	46.34	403.70	43.83	351.00	34.11	337.90	31.83	324.70	29.63
	26.0	24.0	416.70	49.11	403.70	46.60	351.00	36.72	337.90	34.34	324.70	32.00
	23.0	21.0	416.70	51.91	403.70	49.37	351.00	39.32	337.90	36.82	324.70	34.38
	19.0	18.0	415.30	54.48	403.70	52.17	351.00	41.96	337.90	39.35	324.70	36.79
	17.0	15.0	410.60	54.62	403.70	53.66	351.00	43.40	337.90	40.70	324.70	38.07
	13.0	12.0	399.70	54.51	399.70	55.57	351.00	46.24	337.90	43.47	324.70	40.74
	10.0	9.0	389.00	54.38	389.00	55.44	351.00	49.04	337.90	46.21	324.70	43.40
	6.0	5.0	372.70	54.19	372.70	55.27	351.00	53.26	337.90	50.36	324.70	47.49
	2.0	1.0	362.00	54.08	362.00	55.14	351.00	56.19	337.90	53.10	324.70	50.19
	-1.8	-2.2	351.00	53.95	351.00	55.01	351.00	59.30	337.90	56.17	324.70	53.09
	-3.6	-4.0	345.70	53.89	345.70	54.97	345.60	59.23	337.00	57.48	324.70	54.59
	-7.1	-7.6	335.00	53.76	335.00	54.84	334.70	59.12	326.30	57.35	317.70	55.60
-12.6	-13.0	318.70	53.59	318.70	54.65	318.60	58.93	310.00	57.18	301.60	55.41	
120	60.0	56.0	384.70	21.66	372.60	20.27	324.00	15.13	311.90	14.53	299.70	13.94
	57.0	53.0	384.70	23.53	372.60	22.01	324.00	16.42	311.90	15.69	299.70	15.00
	54.0	50.0	384.70	25.48	372.60	23.87	324.00	17.86	311.90	17.01	299.70	16.19
	51.0	47.0	384.70	27.65	372.60	25.87	324.00	19.45	311.90	18.46	299.70	17.50
	47.0	43.0	384.70	29.90	372.60	28.02	324.00	21.19	311.90	20.04	299.70	18.91
	44.0	40.0	384.70	32.17	372.60	30.22	324.00	23.04	311.90	21.72	299.70	20.44
	39.0	36.0	384.70	34.54	372.60	32.46	324.00	24.98	311.90	23.50	299.70	22.08
	35.0	32.0	384.70	37.07	372.60	34.84	324.00	26.92	311.90	25.32	299.70	23.77
	30.0	28.0	384.70	39.68	372.60	37.34	324.00	28.91	311.90	27.20	299.70	25.54
	26.0	24.0	384.70	42.38	372.60	39.94	324.00	31.12	311.90	29.27	299.70	27.46
	23.0	21.0	384.70	45.12	372.60	42.64	324.00	33.42	311.90	31.47	299.70	29.53
	19.0	18.0	384.70	47.85	372.60	45.35	324.00	35.75	311.90	33.71	299.70	31.68
	17.0	15.0	384.70	49.21	372.60	46.71	324.00	36.98	311.90	34.87	299.70	32.80
	13.0	12.0	384.70	52.08	372.60	49.44	324.00	39.58	311.90	37.37	299.70	35.17
	10.0	9.0	382.00	54.32	372.60	52.34	324.00	42.26	311.90	39.94	299.70	37.64
	6.0	5.0	365.90	54.15	364.00	54.35	324.00	46.28	311.90	43.87	299.70	41.49
	2.0	1.0	355.00	54.02	353.10	54.25	324.00	48.98	311.90	46.51	299.70	44.07
	-1.8	-2.2	344.30	53.89	342.30	54.12	324.00	51.85	311.90	49.27	299.70	46.70
	-3.6	-4.0	338.90	53.85	337.00	54.05	324.00	53.36	311.90	50.73	299.70	48.13
	-7.1	-7.6	328.00	53.72	326.10	53.93	318.60	54.78	309.60	53.00	299.70	51.02
-12.6	-13.0	311.90	53.53	310.00	53.75	302.40	54.61	293.30	52.83	284.30	51.06	
110	60.0	56.0	352.70	17.76	341.60	16.81	297.00	13.31	285.90	12.85	274.70	12.39
	57.0	53.0	352.70	19.28	341.60	18.20	297.00	14.28	285.90	13.75	274.70	13.22
	54.0	50.0	352.70	20.96	341.60	19.77	297.00	15.40	285.90	14.80	274.70	14.18
	51.0	47.0	352.70	22.77	341.60	21.46	297.00	16.68	285.90	15.96	274.70	15.26
	47.0	43.0	352.70	24.75	341.60	23.30	297.00	18.12	285.90	17.27	274.70	16.42
	44.0	40.0	352.70	26.83	341.60	25.25	297.00	19.62	285.90	18.65	274.70	17.69
	39.0	36.0	352.70	28.94	341.60	27.23	297.00	21.19	285.90	20.08	274.70	19.01
	35.0	32.0	352.70	31.14	341.60	29.24	297.00	22.74	285.90	21.55	274.70	20.37
	30.0	28.0	352.70	33.49	341.60	31.44	297.00	24.30	285.90	23.03	274.70	21.75
	26.0	24.0	352.70	35.93	341.60	33.78	297.00	25.97	285.90	24.59	274.70	23.24
	23.0	21.0	352.70	38.49	341.60	36.16	297.00	27.85	285.90	26.39	274.70	24.94
	19.0	18.0	352.70	41.17	341.60	38.75	297.00	29.92	285.90	28.35	274.70	26.80
	17.0	15.0	352.70	42.52	341.60	40.07	297.00	30.98	285.90	29.37	274.70	27.78
	13.0	12.0	352.70	45.23	341.60	42.75	297.00	33.28	285.90	31.57	274.70	29.86
	10.0	9.0	352.70	47.95	341.60	45.42	297.00	35.69	285.90	33.88	274.70	32.10
	6.0	5.0	352.70	52.27	341.60	49.54	297.00	39.52	285.90	37.58	274.70	35.66
	2.0	1.0	348.30	53.98	341.30	52.44	297.00	42.09	285.90	40.08	274.70	38.10
	-1.8	-2.2	337.40	53.85	333.70	53.20	297.00	44.72	285.90	42.65	274.70	40.60
	-3.6	-4.0	332.00	53.79	328.30	53.16	297.00	46.10	285.90	43.97	274.70	41.89
	-7.1	-7.6	321.30	53.66	317.40	53.03	297.00	48.95	285.90	46.77	274.70	44.62
-12.6	-13.0	305.00	53.49	301.30	52.84	286.30	50.26	276.60	48.48	267.00	46.71	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	320.70	14.10	310.60	13.57	270.00	11.60	260.00	11.27	249.70	10.91
	57.0	53.0	320.70	15.35	310.60	14.70	270.00	12.29	260.00	11.90	249.70	11.54
	54.0	50.0	320.70	16.75	310.60	15.98	270.00	13.12	260.00	12.69	249.70	12.27
	51.0	47.0	320.70	18.32	310.60	17.41	270.00	14.11	260.00	13.61	249.70	13.12
	47.0	43.0	320.70	20.01	310.60	18.99	270.00	15.26	260.00	14.66	249.70	14.07
	44.0	40.0	320.70	21.85	310.60	20.67	270.00	16.48	260.00	15.79	249.70	15.09
	39.0	36.0	320.70	23.79	310.60	22.45	270.00	17.70	260.00	16.91	249.70	16.12
	35.0	32.0	320.70	25.75	310.60	24.26	270.00	18.92	260.00	18.06	249.70	17.17
	30.0	28.0	320.70	27.79	310.60	26.07	270.00	20.14	260.00	19.19	249.70	18.25
	26.0	24.0	320.70	30.05	310.60	28.14	270.00	21.36	260.00	20.37	249.70	19.35
	23.0	21.0	320.70	32.37	310.60	30.30	270.00	22.74	260.00	21.68	249.70	20.63
	19.0	18.0	320.70	34.71	310.60	32.53	270.00	24.42	260.00	23.27	249.70	22.15
	17.0	15.0	320.70	35.96	310.60	33.71	270.00	25.34	260.00	24.16	249.70	22.97
	13.0	12.0	320.70	38.60	310.60	36.22	270.00	27.32	260.00	26.04	249.70	24.79
	10.0	9.0	320.70	41.30	310.60	38.83	270.00	29.46	260.00	28.11	249.70	26.76
	6.0	5.0	320.70	45.32	310.60	42.78	270.00	32.96	260.00	31.48	249.70	29.99
	2.0	1.0	320.70	48.05	310.60	45.42	270.00	35.40	260.00	33.85	249.70	32.29
	-1.8	-2.2	320.70	50.95	310.60	48.22	270.00	37.84	260.00	36.23	249.70	34.61
	-3.6	-4.0	320.70	52.44	310.60	49.70	270.00	39.06	260.00	37.44	249.70	35.79
	-7.1	-7.6	314.30	53.62	308.70	52.11	270.00	41.82	260.00	40.08	249.70	38.37
-12.6	-13.0	298.10	53.43	292.60	51.94	270.00	45.94	260.00	44.14	249.70	42.35	
90	60.0	56.0	288.60	12.26	279.40	11.84	243.00	10.28	234.00	10.01	224.70	9.75
	57.0	53.0	288.60	13.15	279.40	12.69	243.00	10.87	234.00	10.58	224.70	10.28
	54.0	50.0	288.60	14.18	279.40	13.64	243.00	11.56	234.00	11.21	224.70	10.88
	51.0	47.0	288.60	15.32	279.40	14.70	243.00	12.36	234.00	11.97	224.70	11.57
	47.0	43.0	288.60	16.54	279.40	15.86	243.00	13.29	234.00	12.82	224.70	12.36
	44.0	40.0	288.60	17.86	279.40	17.10	243.00	14.27	234.00	13.74	224.70	13.19
	39.0	36.0	288.60	19.29	279.40	18.43	243.00	15.25	234.00	14.64	224.70	14.05
	35.0	32.0	288.60	20.83	279.40	19.87	243.00	16.22	234.00	15.56	224.70	14.90
	30.0	28.0	288.60	22.44	279.40	21.33	243.00	17.27	234.00	16.54	224.70	15.82
	26.0	24.0	288.60	24.23	279.40	22.97	243.00	18.33	234.00	17.56	224.70	16.78
	23.0	21.0	288.60	26.14	279.40	24.75	243.00	19.51	234.00	18.69	224.70	17.87
	19.0	18.0	288.60	28.15	279.40	26.66	243.00	20.96	234.00	20.05	224.70	19.15
	17.0	15.0	288.60	29.20	279.40	27.65	243.00	21.75	234.00	20.80	224.70	19.87
	13.0	12.0	288.60	31.40	279.40	29.76	243.00	23.46	234.00	22.42	224.70	21.39
	10.0	9.0	288.60	33.74	279.40	31.98	243.00	25.31	234.00	24.20	224.70	23.08
	6.0	5.0	288.60	37.41	279.40	35.56	243.00	28.41	234.00	27.16	224.70	25.91
	2.0	1.0	288.60	39.95	279.40	38.03	243.00	30.59	234.00	29.27	224.70	27.95
	-1.8	-2.2	288.60	42.54	279.40	40.57	243.00	32.86	234.00	31.47	224.70	30.06
	-3.6	-4.0	288.60	43.87	279.40	41.86	243.00	34.01	234.00	32.59	224.70	31.17
	-7.1	-7.6	288.60	46.64	279.40	44.59	243.00	36.52	234.00	35.01	224.70	33.49
-12.6	-13.0	275.00	47.19	268.70	45.84	243.00	40.45	234.00	38.86	224.70	37.25	
80	60.0	56.0	256.60	10.49	248.40	10.18	216.00	8.94	208.00	8.76	199.70	8.57
	57.0	53.0	256.60	11.10	248.40	10.75	216.00	9.45	208.00	9.23	199.70	9.03
	54.0	50.0	256.60	11.77	248.40	11.41	216.00	9.98	208.00	9.75	199.70	9.50
	51.0	47.0	256.60	12.53	248.40	12.16	216.00	10.61	208.00	10.32	199.70	10.05
	47.0	43.0	256.60	13.34	248.40	12.93	216.00	11.33	208.00	10.98	199.70	10.65
	44.0	40.0	256.60	14.17	248.40	13.75	216.00	12.06	208.00	11.67	199.70	11.31
	39.0	36.0	256.60	15.13	248.40	14.67	216.00	12.79	208.00	12.39	199.70	11.97
	35.0	32.0	256.60	16.24	248.40	15.69	216.00	13.52	208.00	13.08	199.70	12.63
	30.0	28.0	256.60	17.46	248.40	16.82	216.00	14.37	208.00	13.88	199.70	13.38
	26.0	24.0	256.60	18.82	248.40	18.09	216.00	15.29	208.00	14.74	199.70	14.20
	23.0	21.0	256.60	20.31	248.40	19.51	216.00	16.31	208.00	15.72	199.70	15.12
	19.0	18.0	256.60	21.95	248.40	21.06	216.00	17.50	208.00	16.84	199.70	16.18
	17.0	15.0	256.60	22.83	248.40	21.88	216.00	18.16	208.00	17.46	199.70	16.75
	13.0	12.0	256.60	24.62	248.40	23.60	216.00	19.60	208.00	18.81	199.70	18.00
	10.0	9.0	256.60	26.56	248.40	25.47	216.00	21.19	208.00	20.30	199.70	19.42
	6.0	5.0	256.60	29.79	248.40	28.58	216.00	23.83	208.00	22.84	199.70	21.82
	2.0	1.0	256.60	32.06	248.40	30.78	216.00	25.80	208.00	24.69	199.70	23.60
	-1.8	-2.2	256.60	34.50	248.40	33.16	216.00	27.86	208.00	26.69	199.70	25.51
	-3.6	-4.0	256.60	35.73	248.40	34.35	216.00	28.97	208.00	27.75	199.70	26.53
	-7.1	-7.6	256.60	38.23	248.40	36.82	216.00	31.22	208.00	29.93	199.70	28.64
-12.6	-13.0	252.00	40.93	244.70	39.74	216.00	34.97	208.00	33.55	199.70	32.14	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM240*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	224.40	8.93	217.30	8.67	189.00	7.68	182.00	7.55	174.70	7.41
	57.0	53.0	224.40	9.36	217.30	9.10	189.00	8.11	182.00	7.95	174.70	7.78
	54.0	50.0	224.40	9.82	217.30	9.56	189.00	8.54	182.00	8.37	174.70	8.17
	51.0	47.0	224.40	10.38	217.30	10.09	189.00	9.03	182.00	8.83	174.70	8.60
	47.0	43.0	224.40	10.91	217.30	10.65	189.00	9.59	182.00	9.33	174.70	9.09
	44.0	40.0	224.40	11.50	217.30	11.21	189.00	10.12	182.00	9.86	174.70	9.59
	39.0	36.0	224.40	12.17	217.30	11.87	189.00	10.68	182.00	10.41	174.70	10.12
	35.0	32.0	224.40	12.95	217.30	12.62	189.00	11.27	182.00	10.97	174.70	10.65
	30.0	28.0	224.40	13.87	217.30	13.48	189.00	11.97	182.00	11.63	174.70	11.28
	26.0	24.0	224.40	14.89	217.30	14.47	189.00	12.73	182.00	12.35	174.70	11.96
	23.0	21.0	224.40	16.05	217.30	15.55	189.00	13.55	182.00	13.12	174.70	12.69
	19.0	18.0	224.40	17.33	217.30	16.75	189.00	14.50	182.00	14.03	174.70	13.55
	17.0	15.0	224.40	18.03	217.30	17.43	189.00	15.03	182.00	14.53	174.70	14.01
	13.0	12.0	224.40	19.45	217.30	18.79	189.00	16.21	182.00	15.62	174.70	15.03
	10.0	9.0	224.40	21.03	217.30	20.31	189.00	17.47	182.00	16.81	174.70	16.15
	6.0	5.0	224.40	23.67	217.30	22.87	189.00	19.65	182.00	18.88	174.70	18.09
	2.0	1.0	224.40	25.58	217.30	24.72	189.00	21.29	182.00	20.44	174.70	19.58
	-1.8	-2.2	224.40	27.72	217.30	26.80	189.00	23.10	182.00	22.15	174.70	21.22
	-3.6	-4.0	224.40	28.84	217.30	27.88	189.00	24.07	182.00	23.10	174.70	22.11
	-7.1	-7.6	224.40	31.05	217.30	30.06	189.00	26.04	182.00	24.98	174.70	23.93
-12.6	-13.0	224.40	34.51	217.30	33.49	189.00	29.41	182.00	28.22	174.70	27.03	
60	60.0	56.0	192.40	7.48	186.30	7.28	162.00	6.49	156.00	6.39	149.90	6.26
	57.0	53.0	192.40	7.84	186.30	7.65	162.00	6.86	156.00	6.72	149.90	6.59
	54.0	50.0	192.40	8.24	186.30	8.04	162.00	7.22	156.00	7.06	149.90	6.92
	51.0	47.0	192.40	8.66	186.30	8.44	162.00	7.62	156.00	7.45	149.90	7.28
	47.0	43.0	192.40	9.09	186.30	8.87	162.00	8.05	156.00	7.85	149.90	7.65
	44.0	40.0	192.40	9.59	186.30	9.36	162.00	8.47	156.00	8.27	149.90	8.07
	39.0	36.0	192.40	10.15	186.30	9.92	162.00	8.96	156.00	8.73	149.90	8.51
	35.0	32.0	192.40	10.78	186.30	10.51	162.00	9.46	156.00	9.23	149.90	8.99
	30.0	28.0	192.40	11.46	186.30	11.17	162.00	10.05	156.00	9.78	149.90	9.50
	26.0	24.0	192.40	12.23	186.30	11.93	162.00	10.65	156.00	10.35	149.90	10.05
	23.0	21.0	192.40	13.09	186.30	12.75	162.00	11.30	156.00	10.97	149.90	10.64
	19.0	18.0	192.40	14.04	186.30	13.62	162.00	12.00	156.00	11.64	149.90	11.28
	17.0	15.0	192.40	14.53	186.30	14.10	162.00	12.39	156.00	12.00	149.90	11.63
	13.0	12.0	192.40	15.58	186.30	15.12	162.00	13.28	156.00	12.85	149.90	12.42
	10.0	9.0	192.40	16.77	186.30	16.25	162.00	14.21	156.00	13.74	149.90	13.28
	6.0	5.0	192.40	18.82	186.30	18.22	162.00	15.83	156.00	15.29	149.90	14.73
	2.0	1.0	192.40	20.34	186.30	19.71	162.00	17.11	156.00	16.51	149.90	15.89
	-1.8	-2.2	192.40	22.09	186.30	21.39	162.00	18.55	156.00	17.86	149.90	17.17
	-3.6	-4.0	192.40	23.01	186.30	22.28	162.00	19.35	156.00	18.62	149.90	17.90
	-7.1	-7.6	192.40	24.89	186.30	24.12	162.00	20.97	156.00	20.18	149.90	19.38
-12.6	-13.0	192.40	27.92	186.30	27.09	162.00	23.77	156.00	22.87	149.90	21.95	
50	60.0	56.0	160.30	6.03	155.30	5.90	135.00	5.31	130.00	5.21	125.00	5.11
	57.0	53.0	160.30	6.33	155.30	6.20	135.00	5.61	130.00	5.50	125.00	5.38
	54.0	50.0	160.30	6.65	155.30	6.50	135.00	5.91	130.00	5.77	125.00	5.64
	51.0	47.0	160.30	6.95	155.30	6.80	135.00	6.23	130.00	6.07	125.00	5.93
	47.0	43.0	160.30	7.25	155.30	7.12	135.00	6.53	130.00	6.37	125.00	6.23
	44.0	40.0	160.30	7.68	155.30	7.52	135.00	6.83	130.00	6.69	125.00	6.53
	39.0	36.0	160.30	8.14	155.30	7.95	135.00	7.22	130.00	7.05	125.00	6.89
	35.0	32.0	160.30	8.60	155.30	8.41	135.00	7.68	130.00	7.48	125.00	7.31
	30.0	28.0	160.30	9.06	155.30	8.87	135.00	8.14	130.00	7.92	125.00	7.72
	26.0	24.0	160.30	9.56	155.30	9.37	135.00	8.58	130.00	8.37	125.00	8.14
	23.0	21.0	160.30	10.15	155.30	9.93	135.00	9.04	130.00	8.80	125.00	8.57
	19.0	18.0	160.30	10.74	155.30	10.49	135.00	9.50	130.00	9.26	125.00	9.03
	17.0	15.0	160.30	11.04	155.30	10.78	135.00	9.73	130.00	9.49	125.00	9.26
	13.0	12.0	160.30	11.70	155.30	11.44	135.00	10.35	130.00	10.08	125.00	9.82
	10.0	9.0	160.30	12.50	155.30	12.20	135.00	10.95	130.00	10.68	125.00	10.39
	6.0	5.0	160.30	13.95	155.30	13.58	135.00	12.03	130.00	11.70	125.00	11.37
	2.0	1.0	160.30	15.13	155.30	14.70	135.00	12.93	130.00	12.56	125.00	12.20
	-1.8	-2.2	160.30	16.45	155.30	15.96	135.00	14.01	130.00	13.58	125.00	13.15
	-3.6	-4.0	160.30	17.18	155.30	16.68	135.00	14.61	130.00	14.14	125.00	13.68
	-7.1	-7.6	160.30	18.75	155.30	18.17	135.00	15.92	130.00	15.39	125.00	14.86
-12.6	-13.0	160.30	21.33	155.30	20.70	135.00	18.13	130.00	17.50	125.00	16.87	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		57 (13.9°C, WB)	61 (16.1°C, WB)	64 (17.8°C, WB)	67 (19.4°C, WB)	70 (21.1°C, WB)	72 (22.2°C, WB)	75 (23.9°C, WB)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	
130	23.0	223.00	5.72	271.10	7.45	319.20	9.18	343.20	10.06	391.30	11.30	415.30	11.93	463.40	13.17		
	27.0	223.00	5.75	271.10	7.50	319.20	9.24	343.20	10.11	391.30	11.35	415.30	11.98	463.40	13.25		
	32.0	223.00	5.85	271.10	7.61	319.20	9.35	343.20	10.22	391.30	11.46	415.30	12.10	463.40	13.36		
	37.0	223.00	5.99	271.10	7.73	319.20	9.46	343.20	10.34	391.30	11.60	415.30	12.23	463.40	13.50		
	41.0	223.00	6.07	271.10	7.81	319.20	9.54	343.20	10.42	391.30	11.68	415.30	12.34	463.40	13.66		
	46.0	223.00	6.21	271.10	7.97	319.20	9.70	343.20	10.58	391.30	11.93	415.30	12.61	463.40	13.99		
	50.0	223.00	6.38	271.10	8.11	319.20	9.84	343.20	10.72	391.30	12.15	415.30	12.87	463.40	14.32		
	54.0	223.00	6.60	271.10	8.35	319.20	10.09	343.20	10.97	391.30	12.45	415.30	13.22	463.40	14.73		
	57.0	223.00	6.82	271.10	8.57	319.20	10.34	343.20	11.24	391.30	12.81	415.30	13.60	461.60	15.12		
	61.0	223.00	7.01	271.10	8.83	319.20	10.69	343.20	11.60	391.30	13.22	415.30	14.05	459.80	15.59		
	64.0	223.00	7.31	271.10	9.18	319.20	11.05	343.20	11.98	391.30	13.69	415.30	14.57	457.80	16.17		
	68.0	223.00	7.61	271.10	9.51	319.20	11.49	343.20	12.48	391.30	14.32	415.30	15.31	455.70	16.97		
	72.0	223.00	7.94	271.10	9.92	319.20	12.01	343.20	13.11	391.30	15.09	415.30	16.19	453.00	17.97		
	75.0	223.00	8.24	271.10	10.34	319.20	12.65	343.20	13.88	391.30	16.08	415.30	17.26	450.30	19.16		
	79.0	223.00	8.66	271.10	10.94	319.20	13.44	343.20	14.79	391.30	17.18	415.30	18.50	447.80	20.54		
	82.0	223.00	9.10	271.10	11.57	319.20	14.32	343.20	15.81	391.30	18.52	415.30	19.98	445.00	22.02		
	86.0	223.00	9.62	271.10	12.39	319.20	15.37	343.20	17.07	391.30	19.98	415.30	21.55	442.50	23.68		
	90.0	223.00	10.39	271.10	13.22	319.20	16.66	343.20	18.44	391.30	21.47	414.70	23.19	439.80	25.56		
	93.0	223.00	11.00	271.10	14.46	319.20	17.98	343.20	19.79	391.30	23.23	412.70	25.03	437.10	27.36		
	95.0	223.00	11.63	271.10	15.11	319.20	18.64	343.20	20.50	391.30	24.21	411.70	25.95	435.90	27.70		
	99.0	223.00	12.87	271.10	16.38	319.20	20.09	343.20	22.24	391.30	26.22	409.40	27.79	420.50	27.18		
102.0	223.00	14.10	271.10	17.65	319.20	21.85	343.20	24.11	383.30	27.32	386.40	26.80	390.50	25.46			
106.0	223.00	15.23	271.10	19.27	319.20	23.75	343.20	26.14	354.20	25.73	356.10	25.04	360.60	23.75			
111.0	223.00	17.53	271.10	22.07	300.90	24.60	304.40	24.38	308.50	23.03	310.80	22.40	315.70	21.17			
115.0	223.00	19.38	262.10	23.09	269.50	22.67	273.10	22.46	278.00	21.22	280.50	20.64	286.00	19.46			
118.0	223.00	21.58	230.50	21.16	238.10	20.75	241.80	20.54	247.50	19.43	250.30	18.86	256.00	17.75			
120.0	218.54	21.80	219.72	20.91	224.40	20.23	226.10	19.65	231.80	18.50	234.80	17.95	241.20	16.90			
120	23.0	206.00	5.33	250.30	6.87	294.60	8.41	316.80	9.18	361.10	10.33	383.30	10.91	427.60	12.07		
	27.0	206.00	5.36	250.30	6.90	294.60	8.46	316.80	9.23	361.10	10.39	383.30	10.97	427.60	12.12		
	32.0	206.00	5.44	250.30	7.01	294.60	8.55	316.80	9.32	361.10	10.50	383.30	11.07	427.60	12.23		
	37.0	206.00	5.58	250.30	7.12	294.60	8.66	316.80	9.45	361.10	10.61	383.30	11.19	427.60	12.34		
	41.0	206.00	5.66	250.30	7.20	294.60	8.74	316.80	9.51	361.10	10.69	383.30	11.27	427.60	12.48		
	46.0	206.00	5.77	250.30	7.34	294.60	8.90	316.80	9.67	361.10	10.88	383.30	11.49	427.60	12.73		
	50.0	206.00	5.94	250.30	7.48	294.60	9.02	316.80	9.79	361.10	11.08	383.30	11.73	427.60	13.03		
	54.0	206.00	6.10	250.30	7.67	294.60	9.21	316.80	10.00	361.10	11.33	383.30	12.01	427.60	13.36		
	57.0	206.00	6.27	250.30	7.84	294.60	9.43	316.80	10.23	361.10	11.63	383.30	12.32	427.60	13.74		
	61.0	206.00	6.43	250.30	8.06	294.60	9.71	316.80	10.55	361.10	11.98	383.30	12.70	427.60	14.19		
	64.0	206.00	6.68	250.30	8.33	294.60	10.03	316.80	10.88	361.10	12.39	383.30	13.16	427.60	14.76		
	68.0	206.00	6.90	250.30	8.63	294.60	10.39	316.80	11.30	361.10	12.92	383.30	13.74	427.60	15.50		
	72.0	206.00	7.17	250.30	8.99	294.60	10.86	316.80	11.82	361.10	13.55	383.30	14.48	427.60	16.44		
	75.0	206.00	7.47	250.30	9.37	294.60	11.41	316.80	12.48	361.10	14.38	383.30	15.39	427.60	17.59		
	79.0	206.00	7.86	250.30	9.92	294.60	12.12	316.80	13.30	361.10	15.37	383.30	16.52	427.60	18.99		
	82.0	206.00	8.28	250.30	10.50	294.60	12.94	316.80	14.24	361.10	16.55	383.30	17.81	427.60	20.50		
	86.0	206.00	8.77	250.30	11.22	294.60	13.91	316.80	15.36	361.10	17.89	383.30	19.24	427.60	22.12		
	90.0	206.00	9.38	250.30	12.01	294.60	15.01	316.80	16.63	361.10	19.32	383.30	20.72	427.60	23.86		
	93.0	206.00	9.95	250.30	13.03	294.60	16.27	316.80	17.97	361.10	20.76	383.30	22.34	426.00	25.64		
	95.0	206.00	10.47	250.30	13.61	294.60	16.91	316.80	18.63	361.10	21.58	383.30	23.22	425.00	26.52		
	99.0	206.00	11.54	250.30	14.79	294.60	18.23	316.80	20.09	361.10	23.31	383.30	25.04	415.00	27.10		
102.0	206.00	12.62	250.30	16.02	294.60	19.76	316.80	21.71	361.10	25.12	378.10	26.30	385.30	25.43			
106.0	206.00	13.80	250.30	17.48	294.60	21.41	316.80	23.44	347.10	25.32	350.10	24.82	355.60	23.72			
111.0	206.00	15.94	250.30	19.93	290.40	23.64	297.30	23.89	302.20	22.73	305.00	22.18	310.70	21.14			
115.0	206.00	17.62	248.10	21.55	260.40	21.88	266.20	21.99	271.70	20.92	274.70	20.42	280.80	19.43			
118.0	206.00	19.46	217.50	19.71	229.10	19.95	234.90	20.07	241.20	19.13	244.50	18.66	250.80	17.70			
120.0	201.88	19.65	208.39	19.54	217.00	19.49	219.20	19.16	225.50	18.19	228.80	17.73	236.00	16.85			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
110	23.0	188.70	4.92	229.40	6.29	270.10	7.64	290.40	8.30	331.10	9.37	351.40	9.90	392.10	10.94
	27.0	188.70	4.97	229.40	6.32	270.10	7.67	290.40	8.36	331.10	9.40	351.40	9.95	392.10	11.00
	32.0	188.70	5.03	229.40	6.40	270.10	7.75	290.40	8.44	331.10	9.51	351.40	10.03	392.10	11.10
	37.0	188.70	5.14	229.40	6.51	270.10	7.86	290.40	8.55	331.10	9.62	351.40	10.14	392.10	11.21
	41.0	188.70	5.22	229.40	6.59	270.10	7.95	290.40	8.63	331.10	9.70	351.40	10.23	392.10	11.30
	46.0	188.70	5.36	229.40	6.71	270.10	8.08	290.40	8.77	331.10	9.84	351.40	10.39	392.10	11.49
	50.0	188.70	5.50	229.40	6.84	270.10	8.19	290.40	8.85	331.10	10.01	351.40	10.58	392.10	11.71
	54.0	188.70	5.60	229.40	6.98	270.10	8.35	290.40	9.04	331.10	10.22	351.40	10.80	392.10	12.01
	57.0	188.70	5.72	229.40	7.12	270.10	8.52	290.40	9.23	331.10	10.45	351.40	11.07	392.10	12.31
	61.0	188.70	5.85	229.40	7.31	270.10	8.77	290.40	9.49	331.10	10.75	351.40	11.38	392.10	12.67
	64.0	188.70	6.02	229.40	7.51	270.10	9.02	290.40	9.78	331.10	11.10	351.40	11.77	392.10	13.16
	68.0	188.70	6.19	229.40	7.73	270.10	9.32	290.40	10.12	331.10	11.52	351.40	12.26	392.10	13.77
	72.0	188.70	6.41	229.40	8.05	270.10	9.71	290.40	10.58	331.10	12.07	351.40	12.86	392.10	14.51
	75.0	188.70	6.68	229.40	8.41	270.10	10.20	290.40	11.11	331.10	12.76	351.40	13.63	392.10	15.47
	79.0	188.70	7.06	229.40	8.88	270.10	10.83	290.40	11.82	331.10	13.63	351.40	14.60	392.10	16.68
	82.0	188.70	7.45	229.40	9.43	270.10	11.57	290.40	12.70	331.10	14.70	351.40	15.78	392.10	18.06
	86.0	188.70	7.89	229.40	10.09	270.10	12.45	290.40	13.74	331.10	15.91	351.40	17.04	392.10	19.49
	90.0	188.70	8.39	229.40	10.78	270.10	13.44	290.40	14.89	331.10	17.20	351.40	18.44	392.10	20.95
	93.0	188.70	8.93	229.40	11.66	270.10	14.59	290.40	16.14	331.10	18.58	351.40	19.84	392.10	22.49
	95.0	188.70	9.32	229.40	12.15	270.10	15.20	290.40	16.82	331.10	19.27	351.40	20.56	392.10	23.31
99.0	188.70	10.20	229.40	13.25	270.10	16.46	290.40	18.14	331.10	20.73	351.40	22.10	392.10	25.04	
102.0	188.70	11.16	229.40	14.41	270.10	17.81	290.40	19.55	331.10	22.29	351.40	23.72	379.80	25.34	
106.0	188.70	12.34	229.40	15.75	270.10	19.24	290.40	21.05	330.60	23.86	342.90	24.44	350.30	23.67	
111.0	188.70	14.38	229.40	17.92	269.80	21.52	287.90	23.14	295.90	22.40	298.90	21.96	305.50	21.11	
115.0	188.70	15.83	228.80	19.40	251.30	21.05	259.30	21.52	265.40	20.62	268.70	20.20	275.60	19.38	
118.0	188.70	17.35	204.30	18.25	220.00	19.16	228.00	19.60	235.10	18.83	238.70	18.44	245.80	17.67	
120.0	186.81	17.71	194.64	17.92	209.50	18.78	212.30	18.69	219.20	17.89	223.00	17.51	230.70	16.82	
100	23.0	171.60	4.53	208.50	5.69	245.60	6.85	264.00	7.45	300.90	8.41	319.50	8.88	356.40	9.84
	27.0	171.60	4.57	208.50	5.74	245.60	6.90	264.00	7.48	300.90	8.44	319.50	8.93	356.40	9.89
	32.0	171.60	4.62	208.50	5.80	245.60	6.98	264.00	7.56	300.90	8.52	319.50	9.01	356.40	9.98
	37.0	171.60	4.72	208.50	5.91	245.60	7.07	264.00	7.67	300.90	8.63	319.50	9.12	356.40	10.09
	41.0	171.60	4.81	208.50	5.99	245.60	7.15	264.00	7.75	300.90	8.71	319.50	9.18	356.40	10.14
	46.0	171.60	4.92	208.50	6.10	245.60	7.28	264.00	7.86	300.90	8.83	319.50	9.32	356.40	10.28
	50.0	171.60	5.06	208.50	6.21	245.60	7.37	264.00	7.94	300.90	8.93	319.50	9.43	356.40	10.42
	54.0	171.60	5.09	208.50	6.29	245.60	7.48	264.00	8.08	300.90	9.10	319.50	9.62	356.40	10.64
	57.0	171.60	5.19	208.50	6.40	245.60	7.62	264.00	8.22	300.90	9.29	319.50	9.81	356.40	10.88
	61.0	171.60	5.28	208.50	6.54	245.60	7.81	264.00	8.44	300.90	9.54	319.50	10.09	356.40	11.19
	64.0	171.60	5.39	208.50	6.70	245.60	8.03	264.00	8.69	300.90	9.84	319.50	10.42	356.40	11.60
	68.0	171.60	5.47	208.50	6.87	245.60	8.27	264.00	8.99	300.90	10.20	319.50	10.83	356.40	12.12
	72.0	171.60	5.64	208.50	7.12	245.60	8.60	264.00	9.34	300.90	10.64	319.50	11.32	356.40	12.72
	75.0	171.60	5.91	208.50	7.45	245.60	9.01	264.00	9.81	300.90	11.22	319.50	11.96	356.40	13.49
	79.0	171.60	6.24	208.50	7.86	245.60	9.54	264.00	10.39	300.90	11.95	319.50	12.75	356.40	14.51
	82.0	171.60	6.63	208.50	8.38	245.60	10.22	264.00	11.19	300.90	12.92	319.50	13.83	356.40	15.72
	86.0	171.60	7.01	208.50	8.96	245.60	11.05	264.00	12.17	300.90	14.02	319.50	14.98	356.40	17.04
	90.0	171.60	7.40	208.50	9.59	245.60	11.96	264.00	13.22	300.90	15.20	319.50	16.22	356.40	18.44
	93.0	171.60	7.89	208.50	10.34	245.60	12.97	264.00	14.34	300.90	16.49	319.50	17.59	356.40	19.73
	95.0	171.60	8.19	208.50	10.75	245.60	13.52	264.00	14.98	300.90	17.18	319.50	18.23	356.40	20.37
99.0	171.60	8.87	208.50	11.73	245.60	14.76	264.00	16.33	300.90	18.44	319.50	19.52	356.40	21.77	
102.0	171.60	9.68	208.50	12.81	245.60	16.00	264.00	17.59	300.90	19.76	319.50	20.89	356.40	23.31	
106.0	171.60	10.88	208.50	14.07	245.60	17.26	264.00	18.86	300.90	21.16	319.50	22.35	345.10	23.64	
111.0	171.60	12.81	208.50	16.02	245.60	19.27	264.00	20.92	288.70	22.01	293.10	21.74	300.30	21.06	
115.0	171.60	14.05	208.50	17.29	240.90	20.10	252.20	21.05	259.30	20.31	262.90	19.98	270.60	19.35	
118.0	171.60	15.25	191.40	16.80	211.00	18.36	220.80	19.13	228.80	18.53	232.70	18.23	240.60	17.62	
120.0	169.88	15.56	182.35	16.49	202.10	18.06	205.20	18.22	213.10	17.59	217.20	17.31	225.70	16.79	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
90	23.0	154.50	4.12	187.80	5.14	221.10	6.15	237.60	6.65	270.90	7.50	287.40	7.91	320.70	8.74
	27.0	154.50	4.15	187.80	5.17	221.10	6.18	237.60	6.68	270.90	7.53	287.40	7.94	320.70	8.79
	32.0	154.50	4.21	187.80	5.22	221.10	6.24	237.60	6.76	270.90	7.61	287.40	8.03	320.70	8.87
	37.0	154.50	4.29	187.80	5.31	221.10	6.35	237.60	6.85	270.90	7.70	287.40	8.11	320.70	8.96
	41.0	154.50	4.37	187.80	5.39	221.10	6.40	237.60	6.92	270.90	7.75	287.40	8.19	320.70	9.02
	46.0	154.50	4.48	187.80	5.50	221.10	6.52	237.60	7.04	270.90	7.89	287.40	8.30	320.70	9.15
	50.0	154.50	4.59	187.80	5.61	221.10	6.60	237.60	7.10	270.90	7.97	287.40	8.41	320.70	9.26
	54.0	154.50	4.65	187.80	5.69	221.10	6.71	237.60	7.23	270.90	8.11	287.40	8.55	320.70	9.43
	57.0	154.50	4.75	187.80	5.78	221.10	6.82	237.60	7.34	270.90	8.25	287.40	8.71	320.70	9.62
	61.0	154.50	4.84	187.80	5.91	221.10	6.98	237.60	7.53	270.90	8.47	287.40	8.93	320.70	9.89
	64.0	154.50	4.92	187.80	6.05	221.10	7.17	237.60	7.73	270.90	8.71	287.40	9.21	320.70	10.22
	68.0	154.50	5.00	187.80	6.18	221.10	7.39	237.60	7.97	270.90	9.02	287.40	9.54	320.70	10.63
	72.0	154.50	5.14	187.80	6.40	221.10	7.67	237.60	8.30	270.90	9.40	287.40	9.98	320.70	11.16
	75.0	154.50	5.36	187.80	6.68	221.10	8.00	237.60	8.68	270.90	9.89	287.40	10.50	320.70	11.79
	79.0	154.50	5.63	187.80	7.01	221.10	8.46	237.60	9.18	270.90	10.50	287.40	11.16	320.70	12.53
	82.0	154.50	5.93	187.80	7.43	221.10	9.01	237.60	9.81	270.90	11.22	287.40	11.96	320.70	13.47
	86.0	154.50	6.26	187.80	7.92	221.10	9.67	237.60	10.58	270.90	12.10	287.40	12.89	320.70	14.54
	90.0	154.50	6.60	187.80	8.44	221.10	10.42	237.60	11.43	270.90	13.06	287.40	13.91	320.70	15.69
	93.0	154.50	7.03	187.80	9.10	221.10	11.24	237.60	12.37	270.90	14.13	287.40	15.04	320.70	16.90
	95.0	154.50	7.31	187.80	9.46	221.10	11.71	237.60	12.89	270.90	14.71	287.40	15.64	320.70	17.48
99.0	154.50	7.97	187.80	10.33	221.10	12.78	237.60	14.05	270.90	15.89	287.40	16.82	320.70	18.69	
102.0	154.50	8.74	187.80	11.27	221.10	13.88	237.60	15.20	270.90	17.09	287.40	18.06	320.70	20.01	
106.0	154.50	9.71	187.80	12.34	221.10	15.06	237.60	16.43	270.90	18.39	287.40	19.41	320.70	21.52	
111.0	154.50	11.38	187.80	14.18	221.10	17.02	237.60	18.49	270.10	20.53	281.90	21.06	295.10	21.03	
115.0	154.50	12.56	187.80	15.45	220.00	18.36	235.40	19.74	248.40	19.68	254.30	19.59	265.40	19.32	
118.0	154.50	13.83	176.00	15.61	197.50	17.40	208.20	18.31	219.20	18.03	224.60	17.89	235.40	17.62	
120.0	154.50	14.27	169.00	15.46	186.20	16.91	192.50	17.40	203.50	17.10	209.00	16.96	220.50	16.77	
80	23.0	137.20	3.69	166.90	4.56	196.40	5.44	211.20	5.86	240.90	6.57	255.50	6.93	285.20	7.64
	27.0	137.20	3.74	166.90	4.61	196.40	5.47	211.20	5.91	240.90	6.62	255.50	6.98	285.20	7.69
	32.0	137.20	3.79	166.90	4.67	196.40	5.53	211.20	5.97	240.90	6.68	255.50	7.04	285.20	7.75
	37.0	137.20	3.87	166.90	4.73	196.40	5.61	211.20	6.04	240.90	6.76	255.50	7.12	285.20	7.83
	41.0	137.20	3.90	166.90	4.78	196.40	5.66	211.20	6.10	240.90	6.82	255.50	7.18	285.20	7.91
	46.0	137.20	4.01	166.90	4.89	196.40	5.77	211.20	6.21	240.90	6.93	255.50	7.29	285.20	8.00
	50.0	137.20	4.15	166.90	5.00	196.40	5.85	211.20	6.27	240.90	7.01	255.50	7.37	285.20	8.11
	54.0	137.20	4.23	166.90	5.08	196.40	5.94	211.20	6.35	240.90	7.09	255.50	7.47	285.20	8.22
	57.0	137.20	4.29	166.90	5.17	196.40	6.02	211.20	6.46	240.90	7.23	255.50	7.61	285.20	8.36
	61.0	137.20	4.37	166.90	5.28	196.40	6.16	211.20	6.62	240.90	7.39	255.50	7.80	285.20	8.58
	64.0	137.20	4.48	166.90	5.39	196.40	6.32	211.20	6.79	240.90	7.61	255.50	8.02	285.20	8.85
	68.0	137.20	4.54	166.90	5.52	196.40	6.51	211.20	7.01	240.90	7.86	255.50	8.30	285.20	9.18
	72.0	137.20	4.65	166.90	5.69	196.40	6.73	211.20	7.26	240.90	8.19	255.50	8.66	285.20	9.62
	75.0	137.20	4.81	166.90	5.91	196.40	7.03	211.20	7.59	240.90	8.60	255.50	9.12	285.20	10.17
	79.0	137.20	5.00	166.90	6.18	196.40	7.39	211.20	8.00	240.90	9.10	255.50	9.65	285.20	10.80
	82.0	137.20	5.22	166.90	6.51	196.40	7.83	211.20	8.49	240.90	9.67	255.50	10.25	285.20	11.49
	86.0	137.20	5.50	166.90	6.90	196.40	8.33	211.20	9.07	240.90	10.31	255.50	10.97	285.20	12.31
	90.0	137.20	5.80	166.90	7.34	196.40	8.91	211.20	9.73	240.90	11.08	255.50	11.79	285.20	13.25
	93.0	137.20	6.18	166.90	7.86	196.40	9.59	211.20	10.47	240.90	11.95	255.50	12.70	285.20	14.24
	95.0	137.20	6.46	166.90	8.19	196.40	9.98	211.20	10.89	240.90	12.42	255.50	13.19	285.20	14.78
99.0	137.20	7.06	166.90	8.94	196.40	10.88	211.20	11.85	240.90	13.44	255.50	14.24	285.20	15.86	
102.0	137.20	7.80	166.90	9.79	196.40	11.84	211.20	12.89	240.90	14.51	255.50	15.34	285.20	17.01	
106.0	137.20	8.55	166.90	10.67	196.40	12.87	211.20	14.01	240.90	15.70	255.50	16.55	285.20	18.23	
111.0	137.20	9.95	166.90	12.34	196.40	14.79	211.20	16.02	240.90	17.79	255.50	18.69	285.20	20.48	
115.0	137.20	11.05	166.90	13.61	196.40	16.24	211.20	17.59	235.60	18.80	244.50	19.07	260.20	19.30	
118.0	137.20	12.42	160.60	14.45	184.00	16.47	195.80	17.48	209.50	17.53	216.40	17.54	230.20	17.59	
120.0	137.20	12.80	151.00	14.07	170.50	15.75	180.10	16.58	193.90	16.60	201.00	16.63	215.30	16.74	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	23.0	120.20	3.27	146.00	3.99	171.90	4.73	184.80	5.11	210.70	5.69	223.60	5.99	249.40	6.59
	27.0	120.20	3.30	146.00	4.04	171.90	4.78	184.80	5.14	210.70	5.74	223.60	6.04	249.40	6.62
	32.0	120.20	3.36	146.00	4.10	171.90	4.84	184.80	5.20	210.70	5.80	223.60	6.10	249.40	6.68
	37.0	120.20	3.43	146.00	4.15	171.90	4.89	184.80	5.27	210.70	5.86	223.60	6.16	249.40	6.76
	41.0	120.20	3.46	146.00	4.20	171.90	4.95	184.80	5.31	210.70	5.91	223.60	6.21	249.40	6.82
	46.0	120.20	3.55	146.00	4.29	171.90	5.03	184.80	5.41	210.70	6.02	223.60	6.32	249.40	6.90
	50.0	120.20	3.68	146.00	4.40	171.90	5.11	184.80	5.47	210.70	6.07	223.60	6.38	249.40	6.98
	54.0	120.20	3.74	146.00	4.46	171.90	5.19	184.80	5.55	210.70	6.16	223.60	6.46	249.40	7.06
	57.0	120.20	3.80	146.00	4.54	171.90	5.27	184.80	5.63	210.70	6.26	223.60	6.57	249.40	7.20
	61.0	120.20	3.88	146.00	4.62	171.90	5.36	184.80	5.75	210.70	6.40	223.60	6.71	249.40	7.37
	64.0	120.20	3.96	146.00	4.73	171.90	5.50	184.80	5.88	210.70	6.57	223.60	6.90	249.40	7.58
	68.0	120.20	4.02	146.00	4.84	171.90	5.66	184.80	6.07	210.70	6.76	223.60	7.12	249.40	7.86
	72.0	120.20	4.12	146.00	4.97	171.90	5.85	184.80	6.29	210.70	7.04	223.60	7.42	249.40	8.19
	75.0	120.20	4.21	146.00	5.14	171.90	6.08	184.80	6.54	210.70	7.37	223.60	7.80	249.40	8.66
	79.0	120.20	4.35	146.00	5.36	171.90	6.37	184.80	6.87	210.70	7.78	223.60	8.25	249.40	9.18
	82.0	120.20	4.51	146.00	5.61	171.90	6.71	184.80	7.28	210.70	8.25	223.60	8.74	249.40	9.73
	86.0	120.20	4.73	146.00	5.91	171.90	7.09	184.80	7.70	210.70	8.74	223.60	9.26	249.40	10.34
	90.0	120.20	4.98	146.00	6.26	171.90	7.56	184.80	8.19	210.70	9.34	223.60	9.92	249.40	11.11
	93.0	120.20	5.30	146.00	6.68	171.90	8.08	184.80	8.77	210.70	10.03	223.60	10.66	249.40	11.93
	95.0	120.20	5.55	146.00	6.95	171.90	8.39	184.80	9.13	210.70	10.42	223.60	11.07	249.40	12.40
99.0	120.20	6.05	146.00	7.58	171.90	9.13	184.80	9.92	210.70	11.27	223.60	11.96	249.40	13.33	
102.0	120.20	6.71	146.00	8.33	171.90	9.98	184.80	10.80	210.70	12.23	223.60	12.94	249.40	14.37	
106.0	120.20	7.31	146.00	9.07	171.90	10.88	184.80	11.82	210.70	13.30	223.60	14.04	249.40	15.51	
111.0	120.20	8.50	146.00	10.55	171.90	12.62	184.80	13.66	210.70	15.17	223.60	15.94	249.40	17.45	
115.0	120.20	9.48	146.00	11.68	171.90	13.94	184.80	15.09	210.60	16.63	222.80	17.32	245.60	18.52	
118.0	120.20	10.80	143.30	12.86	166.40	14.92	177.90	15.94	193.90	16.38	201.80	16.60	217.80	17.02	
120.0	120.20	11.13	132.50	12.97	154.30	14.89	165.30	15.86	180.70	16.05	188.40	16.16	204.30	16.38	
60	23.0	102.90	2.80	125.10	3.44	147.40	4.07	158.40	4.37	180.60	4.84	191.70	5.09	213.90	5.55
	27.0	102.90	2.85	125.10	3.47	147.40	4.10	158.40	4.42	180.60	4.89	191.70	5.12	213.90	5.58
	32.0	102.90	2.91	125.10	3.54	147.40	4.15	158.40	4.48	180.60	4.95	191.70	5.17	213.90	5.64
	37.0	102.90	2.97	125.10	3.60	147.40	4.23	158.40	4.54	180.60	5.00	191.70	5.25	213.90	5.71
	41.0	102.90	3.02	125.10	3.63	147.40	4.26	158.40	4.59	180.60	5.06	191.70	5.28	213.90	5.75
	46.0	102.90	3.08	125.10	3.71	147.40	4.34	158.40	4.65	180.60	5.14	191.70	5.36	213.90	5.85
	50.0	102.90	3.19	125.10	3.79	147.40	4.40	158.40	4.70	180.60	5.19	191.70	5.42	213.90	5.91
	54.0	102.90	3.24	125.10	3.85	147.40	4.46	158.40	4.78	180.60	5.25	191.70	5.50	213.90	5.99
	57.0	102.90	3.27	125.10	3.90	147.40	4.53	158.40	4.84	180.60	5.33	191.70	5.58	213.90	6.08
	61.0	102.90	3.33	125.10	3.96	147.40	4.62	158.40	4.92	180.60	5.44	191.70	5.69	213.90	6.21
	64.0	102.90	3.41	125.10	4.07	147.40	4.72	158.40	5.05	180.60	5.58	191.70	5.85	213.90	6.38
	68.0	102.90	3.46	125.10	4.15	147.40	4.84	158.40	5.17	180.60	5.75	191.70	6.02	213.90	6.60
	72.0	102.90	3.54	125.10	4.26	147.40	4.98	158.40	5.36	180.60	5.96	191.70	6.26	213.90	6.87
	75.0	102.90	3.60	125.10	4.37	147.40	5.17	158.40	5.55	180.60	6.21	191.70	6.54	213.90	7.20
	79.0	102.90	3.69	125.10	4.54	147.40	5.39	158.40	5.82	180.60	6.54	191.70	6.90	213.90	7.64
	82.0	102.90	3.79	125.10	4.72	147.40	5.66	158.40	6.13	180.60	6.90	191.70	7.31	213.90	8.11
	86.0	102.90	3.96	125.10	4.95	147.40	5.94	158.40	6.43	180.60	7.29	191.70	7.72	213.90	8.58
	90.0	102.90	4.15	125.10	5.22	147.40	6.29	158.40	6.82	180.60	7.75	191.70	8.22	213.90	9.18
	93.0	102.90	4.37	125.10	5.52	147.40	6.68	158.40	7.25	180.60	8.28	191.70	8.80	213.90	9.84
	95.0	102.90	4.56	125.10	5.74	147.40	6.92	158.40	7.51	180.60	8.60	191.70	9.13	213.90	10.23
99.0	102.90	4.92	125.10	6.24	147.40	7.53	158.40	8.19	180.60	9.34	191.70	9.92	213.90	11.08	
102.0	102.90	5.47	125.10	6.85	147.40	8.25	158.40	8.96	180.60	10.17	191.70	10.78	213.90	12.01	
106.0	102.90	5.99	125.10	7.51	147.40	9.07	158.40	9.87	180.60	11.14	191.70	11.79	213.90	13.08	
111.0	102.90	7.01	125.10	8.79	147.40	10.58	158.40	11.49	180.60	12.84	191.70	13.52	213.90	14.87	
115.0	102.90	7.83	125.10	9.76	147.40	11.68	158.40	12.67	180.60	14.07	191.70	14.79	213.90	16.19	
118.0	102.90	8.99	123.80	10.86	144.60	12.73	154.90	13.66	172.20	14.57	180.70	15.03	198.00	15.94	
120.0	102.90	9.27	117.40	11.71	138.00	13.68	148.50	14.65	163.90	15.15	171.60	15.37	187.00	15.72	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	85.80	2.34	104.20	2.86	122.70	3.38	132.00	3.65	150.40	4.01	159.80	4.18	178.20	4.53
	27.0	85.80	2.39	104.20	2.91	122.70	3.43	132.00	3.69	150.40	4.04	159.80	4.21	178.20	4.56
	32.0	85.80	2.45	104.20	2.97	122.70	3.49	132.00	3.74	150.40	4.09	159.80	4.26	178.20	4.62
	37.0	85.80	2.53	104.20	3.03	122.70	3.55	132.00	3.80	150.40	4.15	159.80	4.32	178.20	4.67
	41.0	85.80	2.56	104.20	3.08	122.70	3.60	132.00	3.85	150.40	4.18	159.80	4.37	178.20	4.70
	46.0	85.80	2.61	104.20	3.13	122.70	3.65	132.00	3.90	150.40	4.26	159.80	4.43	178.20	4.78
	50.0	85.80	2.69	104.20	3.19	122.70	3.68	132.00	3.93	150.40	4.29	159.80	4.48	178.20	4.84
	54.0	85.80	2.72	104.20	3.24	122.70	3.74	132.00	3.99	150.40	4.37	159.80	4.54	178.20	4.89
	57.0	85.80	2.75	104.20	3.27	122.70	3.79	132.00	4.07	150.40	4.43	159.80	4.62	178.20	4.98
	61.0	85.80	2.78	104.20	3.32	122.70	3.85	132.00	4.12	150.40	4.51	159.80	4.70	178.20	5.06
	64.0	85.80	2.83	104.20	3.38	122.70	3.93	132.00	4.21	150.40	4.59	159.80	4.78	178.20	5.17
	68.0	85.80	2.91	104.20	3.46	122.70	4.02	132.00	4.31	150.40	4.73	159.80	4.95	178.20	5.36
	72.0	85.80	2.97	104.20	3.54	122.70	4.12	132.00	4.42	150.40	4.89	159.80	5.11	178.20	5.58
	75.0	85.80	2.99	104.20	3.62	122.70	4.24	132.00	4.56	150.40	5.06	159.80	5.31	178.20	5.82
	79.0	85.80	3.02	104.20	3.73	122.70	4.42	132.00	4.78	150.40	5.33	159.80	5.60	178.20	6.13
	82.0	85.80	3.08	104.20	3.82	122.70	4.59	132.00	4.98	150.40	5.60	159.80	5.91	178.20	6.52
	86.0	85.80	3.16	104.20	3.99	122.70	4.81	132.00	5.20	150.40	5.88	159.80	6.24	178.20	6.92
	90.0	85.80	3.33	104.20	4.18	122.70	5.03	132.00	5.47	150.40	6.21	159.80	6.60	178.20	7.37
	93.0	85.80	3.46	104.20	4.37	122.70	5.30	132.00	5.75	150.40	6.60	159.80	7.04	178.20	7.89
	95.0	85.80	3.57	104.20	4.51	122.70	5.44	132.00	5.91	150.40	6.82	159.80	7.26	178.20	8.16
99.0	85.80	3.82	104.20	4.89	122.70	5.97	132.00	6.51	150.40	7.47	159.80	7.94	178.20	8.90	
102.0	85.80	4.21	104.20	5.39	122.70	6.57	132.00	7.15	150.40	8.19	159.80	8.69	178.20	9.73	
106.0	85.80	4.67	104.20	5.97	122.70	7.28	132.00	7.94	150.40	9.04	159.80	9.59	178.20	10.67	
111.0	85.80	5.52	104.20	7.06	122.70	8.60	132.00	9.37	150.40	10.58	159.80	11.19	178.20	12.40	
115.0	85.80	6.18	104.20	7.84	122.70	9.51	132.00	10.34	150.40	11.65	159.80	12.31	178.20	13.63	
118.0	85.80	7.17	104.20	8.85	122.70	10.56	132.00	11.41	150.40	12.78	159.80	13.47	178.20	14.84	
120.0	85.80	7.39	104.20	9.65	122.70	11.38	132.00	12.20	145.50	13.14	153.20	13.58	170.00	14.43	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
130	60.0	56.0	458.40	28.30	444.10	26.22	386.10	18.63	371.60	17.76	357.20	16.91
	57.0	53.0	458.40	30.69	444.10	28.50	386.10	20.40	371.60	19.35	357.20	18.35
	54.0	50.0	458.40	33.26	444.10	30.87	386.10	22.31	371.60	21.12	357.20	19.93
	51.0	47.0	458.40	35.98	444.10	33.54	386.10	24.42	371.60	23.00	357.20	21.62
	47.0	43.0	458.40	38.69	444.10	36.20	386.10	26.72	371.60	25.05	357.20	23.45
	44.0	40.0	458.40	41.47	444.10	38.94	386.10	29.21	371.60	27.30	357.20	25.47
	39.0	36.0	458.40	44.46	444.10	41.77	386.10	31.76	371.60	29.66	357.20	27.66
	35.0	32.0	458.40	47.48	444.10	44.73	386.10	34.31	371.60	32.07	357.20	29.90
	30.0	28.0	458.40	50.50	444.10	47.76	386.10	37.17	371.60	34.68	357.20	32.29
	26.0	24.0	458.40	53.52	444.10	50.78	386.10	40.02	371.60	37.42	357.20	34.87
	23.0	21.0	458.40	56.57	444.10	53.80	386.10	42.85	371.60	40.13	357.20	37.47
	19.0	18.0	456.80	59.37	444.10	56.85	386.10	45.73	371.60	42.88	357.20	40.10
	17.0	15.0	451.60	59.53	444.10	58.48	386.10	47.29	371.60	44.35	357.20	41.49
	13.0	12.0	439.70	59.40	439.70	60.56	386.10	50.39	371.60	47.37	357.20	44.40
	10.0	9.0	427.90	59.26	427.90	60.42	386.10	53.44	371.60	50.36	357.20	47.29
	6.0	5.0	410.00	59.06	410.00	60.23	386.10	58.04	371.60	54.88	357.20	51.75
	2.0	1.0	398.20	58.93	398.20	60.09	386.10	61.23	371.60	57.87	357.20	54.69
	-1.8	-2.2	386.10	58.79	386.10	59.95	386.10	64.63	371.60	61.22	357.20	57.85
	-3.6	-4.0	380.30	58.73	380.30	59.90	380.10	64.55	370.70	62.64	357.20	59.50
	-7.1	-7.6	368.50	58.59	368.50	59.76	368.20	64.42	358.90	62.50	349.50	60.59
-12.6	-13.0	350.60	58.40	350.60	59.56	350.40	64.22	341.00	62.31	331.70	60.39	
120	60.0	56.0	423.20	23.61	409.80	22.09	356.40	16.49	343.00	15.83	329.70	15.19
	57.0	53.0	423.20	25.64	409.80	23.98	356.40	17.90	343.00	17.10	329.70	16.35
	54.0	50.0	423.20	27.77	409.80	26.02	356.40	19.46	343.00	18.54	329.70	17.65
	51.0	47.0	423.20	30.13	409.80	28.19	356.40	21.20	343.00	20.12	329.70	19.07
	47.0	43.0	423.20	32.59	409.80	30.54	356.40	23.09	343.00	21.84	329.70	20.60
	44.0	40.0	423.20	35.06	409.80	32.93	356.40	25.11	343.00	23.67	329.70	22.28
	39.0	36.0	423.20	37.64	409.80	35.37	356.40	27.22	343.00	25.61	329.70	24.06
	35.0	32.0	423.20	40.39	409.80	37.97	356.40	29.33	343.00	27.60	329.70	25.91
	30.0	28.0	423.20	43.24	409.80	40.69	356.40	31.51	343.00	29.65	329.70	27.83
	26.0	24.0	423.20	46.18	409.80	43.52	356.40	33.92	343.00	31.90	329.70	29.93
	23.0	21.0	423.20	49.17	409.80	46.46	356.40	36.42	343.00	34.29	329.70	32.18
	19.0	18.0	423.20	52.14	409.80	49.42	356.40	38.95	343.00	36.73	329.70	34.53
	17.0	15.0	423.20	53.63	409.80	50.91	356.40	40.30	343.00	38.00	329.70	35.75
	13.0	12.0	423.20	56.76	409.80	53.88	356.40	43.13	343.00	40.72	329.70	38.33
	10.0	9.0	420.20	59.20	409.80	57.04	356.40	46.06	343.00	43.52	329.70	41.02
	6.0	5.0	402.40	59.01	400.40	59.23	356.40	50.44	343.00	47.81	329.70	45.21
	2.0	1.0	390.50	58.87	388.50	59.12	356.40	53.38	343.00	50.69	329.70	48.03
	-1.8	-2.2	378.70	58.73	376.50	58.98	356.40	56.51	343.00	53.69	329.70	50.89
	-3.6	-4.0	372.70	58.68	370.70	58.90	356.40	58.15	343.00	55.29	329.70	52.46
	-7.1	-7.6	360.80	58.54	358.80	58.78	350.40	59.70	340.50	57.76	329.70	55.60
-12.6	-13.0	343.00	58.34	341.00	58.57	332.70	59.51	322.60	57.57	312.70	55.65	
110	60.0	56.0	388.00	19.35	375.70	18.32	326.70	14.50	314.40	14.00	302.20	13.50
	57.0	53.0	388.00	21.01	375.70	19.84	326.70	15.57	314.40	14.99	302.20	14.41
	54.0	50.0	388.00	22.84	375.70	21.54	326.70	16.79	314.40	16.13	302.20	15.46
	51.0	47.0	388.00	24.81	375.70	23.39	326.70	18.18	314.40	17.40	302.20	16.63
	47.0	43.0	388.00	26.97	375.70	25.39	326.70	19.74	314.40	18.82	302.20	17.90
	44.0	40.0	388.00	29.24	375.70	27.52	326.70	21.39	314.40	20.32	302.20	19.27
	39.0	36.0	388.00	31.54	375.70	29.68	326.70	23.09	314.40	21.89	302.20	20.71
	35.0	32.0	388.00	33.93	375.70	31.87	326.70	24.78	314.40	23.48	302.20	22.20
	30.0	28.0	388.00	36.50	375.70	34.26	326.70	26.49	314.40	25.09	302.20	23.70
	26.0	24.0	388.00	39.16	375.70	36.81	326.70	28.30	314.40	26.80	302.20	25.33
	23.0	21.0	388.00	41.94	375.70	39.41	326.70	30.35	314.40	28.75	302.20	27.17
	19.0	18.0	388.00	44.87	375.70	42.22	326.70	32.60	314.40	30.90	302.20	29.21
	17.0	15.0	388.00	46.34	375.70	43.66	326.70	33.76	314.40	32.01	302.20	30.27
	13.0	12.0	388.00	49.30	375.70	46.59	326.70	36.26	314.40	34.40	302.20	32.54
	10.0	9.0	388.00	52.25	375.70	49.50	326.70	38.89	314.40	36.92	302.20	34.98
	6.0	5.0	388.00	56.96	375.70	53.99	326.70	43.07	314.40	40.96	302.20	38.86
	2.0	1.0	383.10	58.82	375.40	57.15	326.70	45.87	314.40	43.68	302.20	41.52
	-1.8	-2.2	371.20	58.68	367.10	57.98	326.70	48.73	314.40	46.48	302.20	44.24
	-3.6	-4.0	365.20	58.62	361.10	57.93	326.70	50.23	314.40	47.92	302.20	45.65
	-7.1	-7.6	353.40	58.48	349.20	57.79	326.70	53.35	314.40	50.97	302.20	48.62
-12.6	-13.0	335.50	58.29	331.40	57.59	314.90	54.77	304.20	52.83	293.70	50.91	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)										
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)		
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	
100	60.0	56.0	352.80	15.36	341.60	14.78	297.00	12.64	286.00	12.28	274.70	11.89	
	57.0	53.0	352.80	16.72	341.60	16.02	297.00	13.39	286.00	12.97	274.70	12.58	
	54.0	50.0	352.80	18.26	341.60	17.41	297.00	14.30	286.00	13.83	274.70	13.38	
	51.0	47.0	352.80	19.96	341.60	18.98	297.00	15.38	286.00	14.83	274.70	14.30	
	47.0	43.0	352.80	21.81	341.60	20.70	297.00	16.63	286.00	15.97	274.70	15.33	
	44.0	40.0	352.80	23.81	341.60	22.53	297.00	17.96	286.00	17.21	274.70	16.44	
	39.0	36.0	352.80	25.92	341.60	24.47	297.00	19.29	286.00	18.43	274.70	17.57	
	35.0	32.0	352.80	28.07	341.60	26.44	297.00	20.62	286.00	19.68	274.70	18.71	
	30.0	28.0	352.80	30.29	341.60	28.41	297.00	21.95	286.00	20.92	274.70	19.88	
	26.0	24.0	352.80	32.74	341.60	30.66	297.00	23.28	286.00	22.20	274.70	21.09	
	23.0	21.0	352.80	35.28	341.60	33.03	297.00	24.78	286.00	23.62	274.70	22.48	
	19.0	18.0	352.80	37.83	341.60	35.45	297.00	26.61	286.00	25.36	274.70	24.14	
	17.0	15.0	352.80	39.19	341.60	36.73	297.00	27.61	286.00	26.33	274.70	25.03	
	13.0	12.0	352.80	42.07	341.60	39.47	297.00	29.77	286.00	28.38	274.70	27.02	
	10.0	9.0	352.80	45.01	341.60	42.32	297.00	32.10	286.00	30.63	274.70	29.16	
	6.0	5.0	352.80	49.39	341.60	46.62	297.00	35.92	286.00	34.31	274.70	32.68	
	2.0	1.0	352.80	52.36	341.60	49.50	297.00	38.58	286.00	36.89	274.70	35.18	
	-1.8	-2.2	352.80	55.52	341.60	52.55	297.00	41.24	286.00	39.49	274.70	37.72	
	-3.6	-4.0	352.80	57.15	341.60	54.16	297.00	42.57	286.00	40.80	274.70	39.00	
	-7.1	-7.6	345.70	58.43	339.60	56.79	297.00	45.57	286.00	43.68	274.70	41.82	
	-12.6	-13.0	328.00	58.23	321.80	56.60	297.00	50.06	286.00	48.11	274.70	46.15	
	90	60.0	56.0	317.40	13.36	307.40	12.91	267.30	11.20	257.40	10.90	247.20	10.62
		57.0	53.0	317.40	14.33	307.40	13.83	267.30	11.84	257.40	11.53	247.20	11.20
		54.0	50.0	317.40	15.46	307.40	14.86	267.30	12.59	257.40	12.22	247.20	11.86
		51.0	47.0	317.40	16.69	307.40	16.02	267.30	13.47	257.40	13.05	247.20	12.61
47.0		43.0	317.40	18.02	307.40	17.29	267.30	14.49	257.40	13.97	247.20	13.47	
44.0		40.0	317.40	19.46	307.40	18.63	267.30	15.55	257.40	14.97	247.20	14.38	
39.0		36.0	317.40	21.03	307.40	20.09	267.30	16.61	257.40	15.96	247.20	15.32	
35.0		32.0	317.40	22.70	307.40	21.65	267.30	17.68	257.40	16.96	247.20	16.24	
30.0		28.0	317.40	24.45	307.40	23.25	267.30	18.82	257.40	18.02	247.20	17.24	
26.0		24.0	317.40	26.41	307.40	25.03	267.30	19.98	257.40	19.13	247.20	18.29	
23.0		21.0	317.40	28.49	307.40	26.97	267.30	21.26	257.40	20.37	247.20	19.48	
19.0		18.0	317.40	30.68	307.40	29.05	267.30	22.84	257.40	21.86	247.20	20.87	
17.0		15.0	317.40	31.82	307.40	30.13	267.30	23.70	257.40	22.67	247.20	21.65	
13.0		12.0	317.40	34.21	307.40	32.43	267.30	25.56	257.40	24.44	247.20	23.31	
10.0		9.0	317.40	36.76	307.40	34.86	267.30	27.58	257.40	26.38	247.20	25.16	
6.0		5.0	317.40	40.77	307.40	38.75	267.30	30.96	257.40	29.60	247.20	28.24	
2.0		1.0	317.40	43.54	307.40	41.44	267.30	33.34	257.40	31.90	247.20	30.46	
-1.8		-2.2	317.40	46.35	307.40	44.21	267.30	35.81	257.40	34.29	247.20	32.76	
-3.6		-4.0	317.40	47.81	307.40	45.62	267.30	37.06	257.40	35.51	247.20	33.96	
-7.1		-7.6	317.40	50.83	307.40	48.59	267.30	39.80	257.40	38.16	247.20	36.50	
-12.6		-13.0	302.50	51.42	295.60	49.95	267.30	44.09	257.40	42.35	247.20	40.60	
80		60.0	56.0	282.20	11.44	273.30	11.09	237.60	9.75	228.80	9.54	219.70	9.34
		57.0	53.0	282.20	12.09	273.30	11.72	237.60	10.29	228.80	10.06	219.70	9.84
		54.0	50.0	282.20	12.83	273.30	12.44	237.60	10.87	228.80	10.62	219.70	10.36
		51.0	47.0	282.20	13.66	273.30	13.25	237.60	11.56	228.80	11.25	219.70	10.95
	47.0	43.0	282.20	14.53	273.30	14.10	237.60	12.34	228.80	11.97	219.70	11.61	
	44.0	40.0	282.20	15.44	273.30	14.99	237.60	13.14	228.80	12.72	219.70	12.33	
	39.0	36.0	282.20	16.49	273.30	15.99	237.60	13.94	228.80	13.50	219.70	13.05	
	35.0	32.0	282.20	17.69	273.30	17.10	237.60	14.74	228.80	14.25	219.70	13.77	
	30.0	28.0	282.20	19.02	273.30	18.34	237.60	15.66	228.80	15.13	219.70	14.58	
	26.0	24.0	282.20	20.51	273.30	19.71	237.60	16.66	228.80	16.07	219.70	15.47	
	23.0	21.0	282.20	22.14	273.30	21.26	237.60	17.77	228.80	17.13	219.70	16.47	
	19.0	18.0	282.20	23.92	273.30	22.95	237.60	19.07	228.80	18.35	219.70	17.63	
	17.0	15.0	282.20	24.87	273.30	23.84	237.60	19.79	228.80	19.02	219.70	18.26	
	13.0	12.0	282.20	26.83	273.30	25.72	237.60	21.35	228.80	20.49	219.70	19.62	
	10.0	9.0	282.20	28.94	273.30	27.75	237.60	23.09	228.80	22.12	219.70	21.17	
	6.0	5.0	282.20	32.46	273.30	31.15	237.60	25.97	228.80	24.89	219.70	23.78	
	2.0	1.0	282.20	34.93	273.30	33.54	237.60	28.11	228.80	26.91	219.70	25.72	
	-1.8	-2.2	282.20	37.59	273.30	36.14	237.60	30.37	228.80	29.08	219.70	27.80	
	-3.6	-4.0	282.20	38.94	273.30	37.44	237.60	31.57	228.80	30.24	219.70	28.91	
	-7.1	-7.6	282.20	41.66	273.30	40.13	237.60	34.03	228.80	32.62	219.70	31.21	
	-12.6	-13.0	277.20	44.60	269.20	43.30	237.60	38.11	228.80	36.56	219.70	35.03	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM264*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	246.90	9.73	239.00	9.45	207.90	8.37	200.20	8.23	192.20	8.07
	57.0	53.0	246.90	10.20	239.00	9.92	207.90	8.84	200.20	8.67	192.20	8.48
	54.0	50.0	246.90	10.70	239.00	10.42	207.90	9.31	200.20	9.12	192.20	8.90
	51.0	47.0	246.90	11.31	239.00	11.00	207.90	9.84	200.20	9.62	192.20	9.37
	47.0	43.0	246.90	11.89	239.00	11.61	207.90	10.45	200.20	10.17	192.20	9.90
	44.0	40.0	246.90	12.53	239.00	12.22	207.90	11.03	200.20	10.75	192.20	10.45
	39.0	36.0	246.90	13.27	239.00	12.94	207.90	11.64	200.20	11.34	192.20	11.03
	35.0	32.0	246.90	14.11	239.00	13.75	207.90	12.28	200.20	11.95	192.20	11.61
	30.0	28.0	246.90	15.11	239.00	14.69	207.90	13.05	200.20	12.67	192.20	12.30
	26.0	24.0	246.90	16.22	239.00	15.77	207.90	13.88	200.20	13.45	192.20	13.03
	23.0	21.0	246.90	17.49	239.00	16.94	207.90	14.77	200.20	14.30	192.20	13.83
	19.0	18.0	246.90	18.88	239.00	18.26	207.90	15.80	200.20	15.28	192.20	14.77
	17.0	15.0	246.90	19.65	239.00	18.99	207.90	16.38	200.20	15.83	192.20	15.27
	13.0	12.0	246.90	21.20	239.00	20.48	207.90	17.66	200.20	17.02	192.20	16.38
	10.0	9.0	246.90	22.92	239.00	22.14	207.90	19.04	200.20	18.32	192.20	17.60
	6.0	5.0	246.90	25.80	239.00	24.92	207.90	21.42	200.20	20.57	192.20	19.71
	2.0	1.0	246.90	27.88	239.00	26.94	207.90	23.20	200.20	22.28	192.20	21.34
	-1.8	-2.2	246.90	30.21	239.00	29.21	207.90	25.17	200.20	24.14	192.20	23.12
	-3.6	-4.0	246.90	31.43	239.00	30.38	207.90	26.24	200.20	25.17	192.20	24.09
	-7.1	-7.6	246.90	33.84	239.00	32.76	207.90	28.38	200.20	27.22	192.20	26.08
-12.6	-13.0	246.90	37.61	239.00	36.50	207.90	32.06	200.20	30.76	192.20	29.46	
60	60.0	56.0	211.70	8.15	204.90	7.93	178.20	7.07	171.60	6.96	164.80	6.82
	57.0	53.0	211.70	8.54	204.90	8.34	178.20	7.48	171.60	7.32	164.80	7.18
	54.0	50.0	211.70	8.98	204.90	8.76	178.20	7.87	171.60	7.70	164.80	7.54
	51.0	47.0	211.70	9.43	204.90	9.20	178.20	8.31	171.60	8.12	164.80	7.93
	47.0	43.0	211.70	9.90	204.90	9.67	178.20	8.78	171.60	8.56	164.80	8.34
	44.0	40.0	211.70	10.45	204.90	10.20	178.20	9.23	171.60	9.01	164.80	8.79
	39.0	36.0	211.70	11.06	204.90	10.81	178.20	9.76	171.60	9.51	164.80	9.28
	35.0	32.0	211.70	11.75	204.90	11.45	178.20	10.31	171.60	10.06	164.80	9.79
	30.0	28.0	211.70	12.48	204.90	12.17	178.20	10.95	171.60	10.65	164.80	10.36
	26.0	24.0	211.70	13.33	204.90	13.00	178.20	11.61	171.60	11.28	164.80	10.95
	23.0	21.0	211.70	14.27	204.90	13.89	178.20	12.31	171.60	11.95	164.80	11.59
	19.0	18.0	211.70	15.30	204.90	14.85	178.20	13.08	171.60	12.69	164.80	12.30
	17.0	15.0	211.70	15.83	204.90	15.36	178.20	13.50	171.60	13.08	164.80	12.67
	13.0	12.0	211.70	16.97	204.90	16.47	178.20	14.47	171.60	14.00	164.80	13.53
	10.0	9.0	211.70	18.27	204.90	17.71	178.20	15.49	171.60	14.97	164.80	14.47
	6.0	5.0	211.70	20.51	204.90	19.85	178.20	17.26	171.60	16.66	164.80	16.05
	2.0	1.0	211.70	22.17	204.90	21.48	178.20	18.65	171.60	17.99	164.80	17.32
	-1.8	-2.2	211.70	24.08	204.90	23.31	178.20	20.21	171.60	19.46	164.80	18.71
	-3.6	-4.0	211.70	25.08	204.90	24.28	178.20	21.09	171.60	20.29	164.80	19.51
	-7.1	-7.6	211.70	27.13	204.90	26.28	178.20	22.86	171.60	22.00	164.80	21.12
-12.6	-13.0	211.70	30.43	204.90	29.52	178.20	25.91	171.60	24.92	164.80	23.92	
50	60.0	56.0	176.30	6.57	170.80	6.43	148.50	5.79	143.00	5.68	137.50	5.57
	57.0	53.0	176.30	6.90	170.80	6.76	148.50	6.12	143.00	5.99	137.50	5.87
	54.0	50.0	176.30	7.24	170.80	7.09	148.50	6.45	143.00	6.29	137.50	6.15
	51.0	47.0	176.30	7.57	170.80	7.42	148.50	6.79	143.00	6.62	137.50	6.46
	47.0	43.0	176.30	7.90	170.80	7.76	148.50	7.12	143.00	6.95	137.50	6.79
	44.0	40.0	176.30	8.37	170.80	8.20	148.50	7.45	143.00	7.29	137.50	7.12
	39.0	36.0	176.30	8.87	170.80	8.67	148.50	7.87	143.00	7.68	137.50	7.51
	35.0	32.0	176.30	9.37	170.80	9.17	148.50	8.37	143.00	8.15	137.50	7.96
	30.0	28.0	176.30	9.87	170.80	9.67	148.50	8.87	143.00	8.64	137.50	8.42
	26.0	24.0	176.30	10.42	170.80	10.22	148.50	9.36	143.00	9.12	137.50	8.87
	23.0	21.0	176.30	11.06	170.80	10.83	148.50	9.86	143.00	9.59	137.50	9.34
	19.0	18.0	176.30	11.70	170.80	11.44	148.50	10.36	143.00	10.09	137.50	9.84
	17.0	15.0	176.30	12.03	170.80	11.75	148.50	10.61	143.00	10.34	137.50	10.09
	13.0	12.0	176.30	12.75	170.80	12.47	148.50	11.28	143.00	10.98	137.50	10.70
	10.0	9.0	176.30	13.63	170.80	13.30	148.50	11.94	143.00	11.64	137.50	11.33
	6.0	5.0	176.30	15.21	170.80	14.80	148.50	13.11	143.00	12.75	137.50	12.39
	2.0	1.0	176.30	16.49	170.80	16.02	148.50	14.10	143.00	13.69	137.50	13.30
	-1.8	-2.2	176.30	17.93	170.80	17.40	148.50	15.27	143.00	14.80	137.50	14.33
	-3.6	-4.0	176.30	18.73	170.80	18.18	148.50	15.93	143.00	15.41	137.50	14.91
	-7.1	-7.6	176.30	20.43	170.80	19.81	148.50	17.35	143.00	16.77	137.50	16.19
-12.6	-13.0	176.30	23.25	170.80	22.56	148.50	19.76	143.00	19.07	137.50	18.38	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)															
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)			
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)			
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)		
130	23.0	243.30	6.24	295.80	8.13	348.30	10.02	374.40	10.98	426.90	12.33	453.00	13.02	505.50	14.37		
	27.0	243.30	6.27	295.80	8.19	348.30	10.08	374.40	11.04	426.90	12.39	453.00	13.08	505.50	14.46		
	32.0	243.30	6.39	295.80	8.31	348.30	10.20	374.40	11.16	426.90	12.51	453.00	13.20	505.50	14.58		
	37.0	243.30	6.54	295.80	8.43	348.30	10.32	374.40	11.28	426.90	12.66	453.00	13.35	505.50	14.73		
	41.0	243.30	6.63	295.80	8.52	348.30	10.41	374.40	11.37	426.90	12.75	453.00	13.47	505.50	14.91		
	46.0	243.30	6.78	295.80	8.70	348.30	10.59	374.40	11.55	426.90	13.02	453.00	13.77	505.50	15.27		
	50.0	243.30	6.96	295.80	8.85	348.30	10.74	374.40	11.70	426.90	13.26	453.00	14.04	505.50	15.63		
	54.0	243.30	7.20	295.80	9.12	348.30	11.01	374.40	11.97	426.90	13.59	453.00	14.43	505.50	16.08		
	57.0	243.30	7.44	295.80	9.36	348.30	11.28	374.40	12.27	426.90	13.98	453.00	14.85	502.80	16.47		
	61.0	243.30	7.65	295.80	9.63	348.30	11.67	374.40	12.66	426.90	14.43	453.00	15.33	500.10	16.95		
	64.0	243.30	7.98	295.80	10.02	348.30	12.06	374.40	13.08	426.90	14.94	453.00	15.90	497.10	17.55		
	68.0	243.30	8.31	295.80	10.38	348.30	12.54	374.40	13.62	426.90	15.63	453.00	16.71	494.40	18.39		
	72.0	243.30	8.67	295.80	10.83	348.30	13.11	374.40	14.31	426.90	16.47	453.00	17.67	491.40	19.47		
	75.0	243.30	9.00	295.80	11.28	348.30	13.80	374.40	15.15	426.90	17.55	453.00	18.84	488.40	20.76		
	79.0	243.30	9.45	295.80	11.94	348.30	14.67	374.40	16.14	426.90	18.75	453.00	20.19	485.70	22.26		
	82.0	243.30	9.93	295.80	12.63	348.30	15.63	374.40	17.25	426.90	20.22	453.00	21.81	482.70	23.85		
	86.0	243.30	10.50	295.80	13.53	348.30	16.77	374.40	18.63	426.90	21.81	453.00	23.52	480.00	25.65		
	90.0	243.30	11.34	295.80	14.43	348.30	18.18	374.40	20.13	426.90	23.43	452.10	25.29	477.00	27.69		
	93.0	243.30	12.00	295.80	15.78	348.30	19.62	374.40	21.60	426.90	25.35	449.10	27.24	474.00	29.64		
	95.0	243.30	12.69	295.80	16.50	348.30	20.34	374.40	22.38	426.90	26.43	447.60	28.20	472.80	30.00		
99.0	243.30	14.04	295.80	17.88	348.30	21.93	374.40	24.27	426.90	28.62	444.90	30.18	458.70	29.67			
102.0	243.30	15.39	295.80	19.26	348.30	23.85	374.40	26.31	418.20	29.82	421.50	29.25	426.00	27.78			
106.0	243.30	16.62	295.80	21.03	348.30	25.92	374.40	28.53	386.40	28.08	388.50	27.33	393.30	25.92			
111.0	243.30	19.14	295.80	24.09	328.20	26.85	332.10	26.61	336.60	25.14	339.00	24.45	344.40	23.10			
115.0	243.30	21.15	285.90	25.20	294.00	24.75	297.90	24.51	303.30	23.16	306.00	22.53	312.00	21.24			
118.0	243.30	23.55	251.40	23.10	259.80	22.65	263.70	22.41	270.00	21.21	273.00	20.58	279.30	19.38			
120.0	238.43	23.79	238.83	22.62	244.80	22.08	246.60	21.45	252.90	20.19	256.20	19.59	263.10	18.45			
120	23.0	224.70	5.82	273.00	7.50	321.30	9.18	345.60	10.02	393.90	11.28	418.20	11.91	466.50	13.17		
	27.0	224.70	5.85	273.00	7.53	321.30	9.24	345.60	10.08	393.90	11.34	418.20	11.97	466.50	13.23		
	32.0	224.70	5.94	273.00	7.65	321.30	9.33	345.60	10.17	393.90	11.46	418.20	12.09	466.50	13.35		
	37.0	224.70	6.09	273.00	7.77	321.30	9.45	345.60	10.32	393.90	11.58	418.20	12.21	466.50	13.47		
	41.0	224.70	6.18	273.00	7.86	321.30	9.54	345.60	10.38	393.90	11.67	418.20	12.30	466.50	13.62		
	46.0	224.70	6.30	273.00	8.01	321.30	9.72	345.60	10.56	393.90	11.88	418.20	12.54	466.50	13.89		
	50.0	224.70	6.48	273.00	8.16	321.30	9.84	345.60	10.68	393.90	12.09	418.20	12.81	466.50	14.22		
	54.0	224.70	6.66	273.00	8.37	321.30	10.05	345.60	10.92	393.90	12.36	418.20	13.11	466.50	14.58		
	57.0	224.70	6.84	273.00	8.55	321.30	10.29	345.60	11.16	393.90	12.69	418.20	13.44	466.50	15.00		
	61.0	224.70	7.02	273.00	8.79	321.30	10.59	345.60	11.52	393.90	13.08	418.20	13.86	466.50	15.48		
	64.0	224.70	7.29	273.00	9.09	321.30	10.95	345.60	11.88	393.90	13.53	418.20	14.37	466.50	16.11		
	68.0	224.70	7.53	273.00	9.42	321.30	11.34	345.60	12.33	393.90	14.10	418.20	15.00	466.50	16.92		
	72.0	224.70	7.83	273.00	9.81	321.30	11.85	345.60	12.90	393.90	14.79	418.20	15.81	466.50	17.94		
	75.0	224.70	8.16	273.00	10.23	321.30	12.45	345.60	13.62	393.90	15.69	418.20	16.80	466.50	19.20		
	79.0	224.70	8.58	273.00	10.83	321.30	13.23	345.60	14.52	393.90	16.77	418.20	18.03	466.50	20.73		
	82.0	224.70	9.03	273.00	11.46	321.30	14.13	345.60	15.54	393.90	18.06	418.20	19.44	466.50	22.38		
	86.0	224.70	9.57	273.00	12.24	321.30	15.18	345.60	16.77	393.90	19.53	418.20	21.00	466.50	24.15		
	90.0	224.70	10.23	273.00	13.11	321.30	16.38	345.60	18.15	393.90	21.09	418.20	22.62	466.50	26.04		
	93.0	224.70	10.86	273.00	14.22	321.30	17.76	345.60	19.62	393.90	22.65	418.20	24.39	464.10	27.93		
	95.0	224.70	11.43	273.00	14.85	321.30	18.45	345.60	20.34	393.90	23.55	418.20	25.35	462.60	28.86		
99.0	224.70	12.60	273.00	16.14	321.30	19.89	345.60	21.93	393.90	25.44	418.20	27.33	452.70	29.58			
102.0	224.70	13.77	273.00	17.49	321.30	21.57	345.60	23.70	393.90	27.42	412.50	28.71	420.30	27.75			
106.0	224.70	15.06	273.00	19.08	321.30	23.37	345.60	25.59	378.60	27.63	381.90	27.09	387.90	25.89			
111.0	224.70	17.40	273.00	21.75	316.80	25.80	324.30	26.07	329.70	24.81	332.70	24.21	339.00	23.07			
115.0	224.70	19.23	270.60	23.52	284.10	23.88	290.40	24.00	296.40	22.83	299.70	22.29	306.30	21.21			
118.0	224.70	21.24	237.30	21.51	249.90	21.78	256.20	21.90	263.10	20.88	266.70	20.37	273.60	19.32			
120.0	220.21	21.45	225.43	21.06	236.70	21.27	239.10	20.91	246.00	19.86	249.60	19.35	257.40	18.39			

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
110	23.0	205.80	5.37	250.20	6.87	294.60	8.34	316.80	9.06	361.20	10.23	383.40	10.80	427.80	11.94
	27.0	205.80	5.43	250.20	6.90	294.60	8.37	316.80	9.12	361.20	10.26	383.40	10.86	427.80	12.00
	32.0	205.80	5.49	250.20	6.99	294.60	8.46	316.80	9.21	361.20	10.38	383.40	10.95	427.80	12.12
	37.0	205.80	5.61	250.20	7.11	294.60	8.58	316.80	9.33	361.20	10.50	383.40	11.07	427.80	12.24
	41.0	205.80	5.70	250.20	7.20	294.60	8.67	316.80	9.42	361.20	10.59	383.40	11.16	427.80	12.33
	46.0	205.80	5.85	250.20	7.32	294.60	8.82	316.80	9.57	361.20	10.74	383.40	11.34	427.80	12.54
	50.0	205.80	6.00	250.20	7.47	294.60	8.94	316.80	9.66	361.20	10.92	383.40	11.55	427.80	12.78
	54.0	205.80	6.12	250.20	7.62	294.60	9.12	316.80	9.87	361.20	11.16	383.40	11.79	427.80	13.11
	57.0	205.80	6.24	250.20	7.77	294.60	9.30	316.80	10.08	361.20	11.40	383.40	12.09	427.80	13.44
	61.0	205.80	6.39	250.20	7.98	294.60	9.57	316.80	10.35	361.20	11.73	383.40	12.42	427.80	13.83
	64.0	205.80	6.57	250.20	8.19	294.60	9.84	316.80	10.68	361.20	12.12	383.40	12.84	427.80	14.37
	68.0	205.80	6.75	250.20	8.43	294.60	10.17	316.80	11.04	361.20	12.57	383.40	13.38	427.80	15.03
	72.0	205.80	6.99	250.20	8.79	294.60	10.59	316.80	11.55	361.20	13.17	383.40	14.04	427.80	15.84
	75.0	205.80	7.29	250.20	9.18	294.60	11.13	316.80	12.12	361.20	13.92	383.40	14.88	427.80	16.89
	79.0	205.80	7.71	250.20	9.69	294.60	11.82	316.80	12.90	361.20	14.88	383.40	15.93	427.80	18.21
	82.0	205.80	8.13	250.20	10.29	294.60	12.63	316.80	13.86	361.20	16.05	383.40	17.22	427.80	19.71
	86.0	205.80	8.61	250.20	11.01	294.60	13.59	316.80	15.00	361.20	17.37	383.40	18.60	427.80	21.27
	90.0	205.80	9.15	250.20	11.76	294.60	14.67	316.80	16.26	361.20	18.78	383.40	20.13	427.80	22.86
	93.0	205.80	9.75	250.20	12.72	294.60	15.93	316.80	17.61	361.20	20.28	383.40	21.66	427.80	24.54
	95.0	205.80	10.17	250.20	13.26	294.60	16.59	316.80	18.36	361.20	21.03	383.40	22.44	427.80	25.44
	99.0	205.80	11.13	250.20	14.46	294.60	17.97	316.80	19.80	361.20	22.62	383.40	24.12	427.80	27.33
	102.0	205.80	12.18	250.20	15.72	294.60	19.44	316.80	21.33	361.20	24.33	383.40	25.89	414.30	27.66
	106.0	205.80	13.47	250.20	17.19	294.60	21.00	316.80	22.98	360.60	26.04	374.10	26.67	382.20	25.83
	111.0	205.80	15.69	250.20	19.56	294.30	23.49	314.10	25.26	322.80	24.45	326.10	23.97	333.30	23.04
115.0	205.80	17.28	249.60	21.18	274.20	22.98	282.90	23.49	289.50	22.50	293.10	22.05	300.60	21.15	
118.0	205.80	18.93	222.90	19.92	240.00	20.91	248.70	21.39	256.50	20.55	260.40	20.13	268.20	19.29	
120.0	203.74	19.32	211.75	19.50	228.60	20.49	231.60	20.40	239.10	19.53	243.30	19.11	251.70	18.36	
100	23.0	187.20	4.95	227.40	6.21	267.90	7.47	288.00	8.13	328.20	9.18	348.60	9.69	388.80	10.74
	27.0	187.20	4.98	227.40	6.27	267.90	7.53	288.00	8.16	328.20	9.21	348.60	9.75	388.80	10.80
	32.0	187.20	5.04	227.40	6.33	267.90	7.62	288.00	8.25	328.20	9.30	348.60	9.84	388.80	10.89
	37.0	187.20	5.16	227.40	6.45	267.90	7.71	288.00	8.37	328.20	9.42	348.60	9.96	388.80	11.01
	41.0	187.20	5.25	227.40	6.54	267.90	7.80	288.00	8.46	328.20	9.51	348.60	10.02	388.80	11.07
	46.0	187.20	5.37	227.40	6.66	267.90	7.95	288.00	8.58	328.20	9.63	348.60	10.17	388.80	11.22
	50.0	187.20	5.52	227.40	6.78	267.90	8.04	288.00	8.67	328.20	9.75	348.60	10.29	388.80	11.37
	54.0	187.20	5.55	227.40	6.87	267.90	8.16	288.00	8.82	328.20	9.93	348.60	10.50	388.80	11.61
	57.0	187.20	5.67	227.40	6.99	267.90	8.31	288.00	8.97	328.20	10.14	348.60	10.71	388.80	11.88
	61.0	187.20	5.76	227.40	7.14	267.90	8.52	288.00	9.21	328.20	10.41	348.60	11.01	388.80	12.21
	64.0	187.20	5.88	227.40	7.32	267.90	8.76	288.00	9.48	328.20	10.74	348.60	11.37	388.80	12.66
	68.0	187.20	5.97	227.40	7.50	267.90	9.03	288.00	9.81	328.20	11.13	348.60	11.82	388.80	13.23
	72.0	187.20	6.15	227.40	7.77	267.90	9.39	288.00	10.20	328.20	11.61	348.60	12.36	388.80	13.89
	75.0	187.20	6.45	227.40	8.13	267.90	9.84	288.00	10.71	328.20	12.24	348.60	13.05	388.80	14.73
	79.0	187.20	6.81	227.40	8.58	267.90	10.41	288.00	11.34	328.20	13.05	348.60	13.92	388.80	15.84
	82.0	187.20	7.23	227.40	9.15	267.90	11.16	288.00	12.21	328.20	14.10	348.60	15.09	388.80	17.16
	86.0	187.20	7.65	227.40	9.78	267.90	12.06	288.00	13.29	328.20	15.30	348.60	16.35	388.80	18.60
	90.0	187.20	8.07	227.40	10.47	267.90	13.05	288.00	14.43	328.20	16.59	348.60	17.70	388.80	20.13
	93.0	187.20	8.61	227.40	11.28	267.90	14.16	288.00	15.66	328.20	18.00	348.60	19.20	388.80	21.54
	95.0	187.20	8.94	227.40	11.73	267.90	14.76	288.00	16.35	328.20	18.75	348.60	19.89	388.80	22.23
	99.0	187.20	9.69	227.40	12.81	267.90	16.11	288.00	17.82	328.20	20.13	348.60	21.30	388.80	23.76
	102.0	187.20	10.56	227.40	13.98	267.90	17.46	288.00	19.20	328.20	21.57	348.60	22.80	388.80	25.44
	106.0	187.20	11.88	227.40	15.36	267.90	18.84	288.00	20.58	328.20	23.10	348.60	24.39	376.50	25.80
	111.0	187.20	13.98	227.40	17.49	267.90	21.03	288.00	22.83	315.00	24.03	319.80	23.73	327.60	22.98
115.0	187.20	15.33	227.40	18.87	262.80	21.93	275.10	22.98	282.90	22.17	286.80	21.81	295.20	21.12	
118.0	187.20	16.65	208.80	18.33	230.10	20.04	240.90	20.88	249.60	20.22	253.80	19.89	262.50	19.23	
120.0	185.33	16.98	198.36	17.94	220.50	19.71	223.80	19.89	232.50	19.20	237.00	18.90	246.30	18.33	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)	61 (16.1°C, WB)	64 (17.8°C, WB)	67 (19.4°C, WB)	70 (21.1°C, WB)	72 (22.2°C, WB)	75 (23.9°C, WB)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)
90	23.0	168.60	4.50	204.90	5.61	241.20	6.72	259.20	7.26	295.50	8.19	313.50	8.64	349.80	9.54
	27.0	168.60	4.53	204.90	5.64	241.20	6.75	259.20	7.29	295.50	8.22	313.50	8.67	349.80	9.60
	32.0	168.60	4.59	204.90	5.70	241.20	6.81	259.20	7.38	295.50	8.31	313.50	8.76	349.80	9.69
	37.0	168.60	4.68	204.90	5.79	241.20	6.93	259.20	7.47	295.50	8.40	313.50	8.85	349.80	9.78
	41.0	168.60	4.77	204.90	5.88	241.20	6.99	259.20	7.56	295.50	8.46	313.50	8.94	349.80	9.84
	46.0	168.60	4.89	204.90	6.00	241.20	7.11	259.20	7.68	295.50	8.61	313.50	9.06	349.80	9.99
	50.0	168.60	5.01	204.90	6.12	241.20	7.20	259.20	7.74	295.50	8.70	313.50	9.18	349.80	10.11
	54.0	168.60	5.07	204.90	6.21	241.20	7.32	259.20	7.89	295.50	8.85	313.50	9.33	349.80	10.29
	57.0	168.60	5.19	204.90	6.30	241.20	7.44	259.20	8.01	295.50	9.00	313.50	9.51	349.80	10.50
	61.0	168.60	5.28	204.90	6.45	241.20	7.62	259.20	8.22	295.50	9.24	313.50	9.75	349.80	10.80
	64.0	168.60	5.37	204.90	6.60	241.20	7.83	259.20	8.43	295.50	9.51	313.50	10.05	349.80	11.16
	68.0	168.60	5.46	204.90	6.75	241.20	8.07	259.20	8.70	295.50	9.84	313.50	10.41	349.80	11.61
	72.0	168.60	5.61	204.90	6.99	241.20	8.37	259.20	9.06	295.50	10.26	313.50	10.89	349.80	12.18
	75.0	168.60	5.85	204.90	7.29	241.20	8.73	259.20	9.48	295.50	10.80	313.50	11.46	349.80	12.87
	79.0	168.60	6.15	204.90	7.65	241.20	9.24	259.20	10.02	295.50	11.46	313.50	12.18	349.80	13.68
	82.0	168.60	6.48	204.90	8.10	241.20	9.84	259.20	10.71	295.50	12.24	313.50	13.05	349.80	14.70
	86.0	168.60	6.84	204.90	8.64	241.20	10.56	259.20	11.55	295.50	13.20	313.50	14.07	349.80	15.87
	90.0	168.60	7.20	204.90	9.21	241.20	11.37	259.20	12.48	295.50	14.25	313.50	15.18	349.80	17.13
	93.0	168.60	7.68	204.90	9.93	241.20	12.27	259.20	13.50	295.50	15.42	313.50	16.41	349.80	18.45
	95.0	168.60	7.98	204.90	10.32	241.20	12.78	259.20	14.07	295.50	16.05	313.50	17.07	349.80	19.08
	99.0	168.60	8.70	204.90	11.28	241.20	13.95	259.20	15.33	295.50	17.34	313.50	18.36	349.80	20.40
	102.0	168.60	9.54	204.90	12.30	241.20	15.15	259.20	16.59	295.50	18.66	313.50	19.71	349.80	21.84
	106.0	168.60	10.59	204.90	13.47	241.20	16.44	259.20	17.94	295.50	20.07	313.50	21.18	349.80	23.49
	111.0	168.60	12.42	204.90	15.48	241.20	18.57	259.20	20.19	294.60	22.41	307.50	22.98	321.90	22.95
115.0	168.60	13.71	204.90	16.86	240.00	20.04	256.80	21.54	270.90	21.48	277.50	21.39	289.50	21.09	
118.0	168.60	15.09	192.00	17.04	215.40	18.99	227.10	19.98	239.10	19.68	245.10	19.53	256.80	19.23	
120.0	168.60	15.57	182.40	16.68	203.10	18.45	210.00	18.99	222.00	18.66	228.00	18.51	240.60	18.30	
80	23.0	149.70	4.02	182.10	4.98	214.20	5.94	230.40	6.39	262.80	7.17	278.70	7.56	311.10	8.34
	27.0	149.70	4.08	182.10	5.04	214.20	5.97	230.40	6.45	262.80	7.23	278.70	7.62	311.10	8.40
	32.0	149.70	4.14	182.10	5.10	214.20	6.03	230.40	6.51	262.80	7.29	278.70	7.68	311.10	8.46
	37.0	149.70	4.23	182.10	5.16	214.20	6.12	230.40	6.60	262.80	7.38	278.70	7.77	311.10	8.55
	41.0	149.70	4.26	182.10	5.22	214.20	6.18	230.40	6.66	262.80	7.44	278.70	7.83	311.10	8.64
	46.0	149.70	4.38	182.10	5.34	214.20	6.30	230.40	6.78	262.80	7.56	278.70	7.95	311.10	8.73
	50.0	149.70	4.53	182.10	5.46	214.20	6.39	230.40	6.84	262.80	7.65	278.70	8.04	311.10	8.85
	54.0	149.70	4.62	182.10	5.55	214.20	6.48	230.40	6.93	262.80	7.74	278.70	8.16	311.10	8.97
	57.0	149.70	4.68	182.10	5.64	214.20	6.57	230.40	7.05	262.80	7.89	278.70	8.31	311.10	9.12
	61.0	149.70	4.77	182.10	5.76	214.20	6.72	230.40	7.23	262.80	8.07	278.70	8.52	311.10	9.36
	64.0	149.70	4.89	182.10	5.88	214.20	6.90	230.40	7.41	262.80	8.31	278.70	8.76	311.10	9.66
	68.0	149.70	4.95	182.10	6.03	214.20	7.11	230.40	7.65	262.80	8.58	278.70	9.06	311.10	10.02
	72.0	149.70	5.07	182.10	6.21	214.20	7.35	230.40	7.92	262.80	8.94	278.70	9.45	311.10	10.50
	75.0	149.70	5.25	182.10	6.45	214.20	7.68	230.40	8.28	262.80	9.39	278.70	9.96	311.10	11.10
	79.0	149.70	5.46	182.10	6.75	214.20	8.07	230.40	8.73	262.80	9.93	278.70	10.53	311.10	11.79
	82.0	149.70	5.70	182.10	7.11	214.20	8.55	230.40	9.27	262.80	10.56	278.70	11.19	311.10	12.54
	86.0	149.70	6.00	182.10	7.53	214.20	9.09	230.40	9.90	262.80	11.25	278.70	11.97	311.10	13.44
	90.0	149.70	6.33	182.10	8.01	214.20	9.72	230.40	10.62	262.80	12.09	278.70	12.87	311.10	14.46
	93.0	149.70	6.75	182.10	8.58	214.20	10.47	230.40	11.43	262.80	13.05	278.70	13.86	311.10	15.54
	95.0	149.70	7.05	182.10	8.94	214.20	10.89	230.40	11.88	262.80	13.56	278.70	14.40	311.10	16.14
	99.0	149.70	7.71	182.10	9.75	214.20	11.88	230.40	12.93	262.80	14.67	278.70	15.54	311.10	17.31
	102.0	149.70	8.52	182.10	10.68	214.20	12.93	230.40	14.07	262.80	15.84	278.70	16.74	311.10	18.57
	106.0	149.70	9.33	182.10	11.64	214.20	14.04	230.40	15.30	262.80	17.13	278.70	18.06	311.10	19.89
	111.0	149.70	10.86	182.10	13.47	214.20	16.14	230.40	17.49	262.80	19.41	278.70	20.40	311.10	22.35
115.0	149.70	12.06	182.10	14.85	214.20	17.73	230.40	19.20	257.10	20.52	266.70	20.82	283.80	21.06	
118.0	149.70	13.56	175.20	15.78	200.70	17.97	213.60	19.08	228.60	19.14	236.10	19.14	251.10	19.20	
120.0	149.70	13.98	164.70	15.36	186.00	17.19	196.50	18.09	211.50	18.12	219.30	18.15	234.90	18.27	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		57 (13.9°C, WB)		61 (16.1°C, WB)		64 (17.8°C, WB)		67 (19.4°C, WB)		70 (21.1°C, WB)		72 (22.2°C, WB)		75 (23.9°C, WB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	23.0	131.10	3.57	159.30	4.35	187.50	5.16	201.60	5.58	229.80	6.21	243.90	6.54	272.10	7.20
	27.0	131.10	3.60	159.30	4.41	187.50	5.22	201.60	5.61	229.80	6.27	243.90	6.60	272.10	7.23
	32.0	131.10	3.66	159.30	4.47	187.50	5.28	201.60	5.67	229.80	6.33	243.90	6.66	272.10	7.29
	37.0	131.10	3.75	159.30	4.53	187.50	5.34	201.60	5.76	229.80	6.39	243.90	6.72	272.10	7.38
	41.0	131.10	3.78	159.30	4.59	187.50	5.40	201.60	5.79	229.80	6.45	243.90	6.78	272.10	7.44
	46.0	131.10	3.87	159.30	4.68	187.50	5.49	201.60	5.91	229.80	6.57	243.90	6.90	272.10	7.53
	50.0	131.10	4.02	159.30	4.80	187.50	5.58	201.60	5.97	229.80	6.63	243.90	6.96	272.10	7.62
	54.0	131.10	4.08	159.30	4.86	187.50	5.67	201.60	6.06	229.80	6.72	243.90	7.05	272.10	7.71
	57.0	131.10	4.14	159.30	4.95	187.50	5.76	201.60	6.15	229.80	6.84	243.90	7.17	272.10	7.86
	61.0	131.10	4.23	159.30	5.04	187.50	5.85	201.60	6.27	229.80	6.99	243.90	7.32	272.10	8.04
	64.0	131.10	4.32	159.30	5.16	187.50	6.00	201.60	6.42	229.80	7.17	243.90	7.53	272.10	8.28
	68.0	131.10	4.38	159.30	5.28	187.50	6.18	201.60	6.63	229.80	7.38	243.90	7.77	272.10	8.58
	72.0	131.10	4.50	159.30	5.43	187.50	6.39	201.60	6.87	229.80	7.68	243.90	8.10	272.10	8.94
	75.0	131.10	4.59	159.30	5.61	187.50	6.63	201.60	7.14	229.80	8.04	243.90	8.52	272.10	9.45
	79.0	131.10	4.74	159.30	5.85	187.50	6.96	201.60	7.50	229.80	8.49	243.90	9.00	272.10	10.02
	82.0	131.10	4.92	159.30	6.12	187.50	7.32	201.60	7.95	229.80	9.00	243.90	9.54	272.10	10.62
	86.0	131.10	5.16	159.30	6.45	187.50	7.74	201.60	8.40	229.80	9.54	243.90	10.11	272.10	11.28
	90.0	131.10	5.43	159.30	6.84	187.50	8.25	201.60	8.94	229.80	10.20	243.90	10.83	272.10	12.12
	93.0	131.10	5.79	159.30	7.29	187.50	8.82	201.60	9.57	229.80	10.95	243.90	11.64	272.10	13.02
	95.0	131.10	6.06	159.30	7.59	187.50	9.15	201.60	9.96	229.80	11.37	243.90	12.09	272.10	13.53
99.0	131.10	6.60	159.30	8.28	187.50	9.96	201.60	10.83	229.80	12.30	243.90	13.05	272.10	14.55	
102.0	131.10	7.32	159.30	9.09	187.50	10.89	201.60	11.79	229.80	13.35	243.90	14.13	272.10	15.69	
106.0	131.10	7.98	159.30	9.90	187.50	11.88	201.60	12.90	229.80	14.52	243.90	15.33	272.10	16.92	
111.0	131.10	9.27	159.30	11.52	187.50	13.77	201.60	14.91	229.80	16.56	243.90	17.40	272.10	19.05	
115.0	131.10	10.35	159.30	12.75	187.50	15.21	201.60	16.47	229.80	18.15	243.00	18.90	267.90	20.22	
118.0	131.10	11.79	156.30	14.04	181.50	16.29	194.10	17.40	211.50	17.88	220.20	18.12	237.60	18.57	
120.0	131.10	12.15	144.60	14.16	168.30	16.26	180.30	17.31	197.10	17.52	205.50	17.64	222.90	17.88	
60	23.0	112.20	3.06	136.50	3.75	160.80	4.44	172.80	4.77	197.10	5.28	209.10	5.55	233.40	6.06
	27.0	112.20	3.12	136.50	3.78	160.80	4.47	172.80	4.83	197.10	5.34	209.10	5.58	233.40	6.09
	32.0	112.20	3.18	136.50	3.87	160.80	4.53	172.80	4.89	197.10	5.40	209.10	5.64	233.40	6.15
	37.0	112.20	3.24	136.50	3.93	160.80	4.62	172.80	4.95	197.10	5.46	209.10	5.73	233.40	6.24
	41.0	112.20	3.30	136.50	3.96	160.80	4.65	172.80	5.01	197.10	5.52	209.10	5.76	233.40	6.27
	46.0	112.20	3.36	136.50	4.05	160.80	4.74	172.80	5.07	197.10	5.61	209.10	5.85	233.40	6.39
	50.0	112.20	3.48	136.50	4.14	160.80	4.80	172.80	5.13	197.10	5.67	209.10	5.91	233.40	6.45
	54.0	112.20	3.54	136.50	4.20	160.80	4.86	172.80	5.22	197.10	5.73	209.10	6.00	233.40	6.54
	57.0	112.20	3.57	136.50	4.26	160.80	4.95	172.80	5.28	197.10	5.82	209.10	6.09	233.40	6.63
	61.0	112.20	3.63	136.50	4.32	160.80	5.04	172.80	5.37	197.10	5.94	209.10	6.21	233.40	6.78
	64.0	112.20	3.72	136.50	4.44	160.80	5.16	172.80	5.52	197.10	6.09	209.10	6.39	233.40	6.96
	68.0	112.20	3.78	136.50	4.53	160.80	5.28	172.80	5.64	197.10	6.27	209.10	6.57	233.40	7.20
	72.0	112.20	3.87	136.50	4.65	160.80	5.43	172.80	5.85	197.10	6.51	209.10	6.84	233.40	7.50
	75.0	112.20	3.93	136.50	4.77	160.80	5.64	172.80	6.06	197.10	6.78	209.10	7.14	233.40	7.86
	79.0	112.20	4.02	136.50	4.95	160.80	5.88	172.80	6.36	197.10	7.14	209.10	7.53	233.40	8.34
	82.0	112.20	4.14	136.50	5.16	160.80	6.18	172.80	6.69	197.10	7.53	209.10	7.98	233.40	8.85
	86.0	112.20	4.32	136.50	5.40	160.80	6.48	172.80	7.02	197.10	7.95	209.10	8.43	233.40	9.36
	90.0	112.20	4.53	136.50	5.70	160.80	6.87	172.80	7.44	197.10	8.46	209.10	8.97	233.40	10.02
	93.0	112.20	4.77	136.50	6.03	160.80	7.29	172.80	7.92	197.10	9.03	209.10	9.60	233.40	10.74
	95.0	112.20	4.98	136.50	6.27	160.80	7.56	172.80	8.19	197.10	9.39	209.10	9.96	233.40	11.16
99.0	112.20	5.37	136.50	6.81	160.80	8.22	172.80	8.94	197.10	10.20	209.10	10.83	233.40	12.09	
102.0	112.20	5.97	136.50	7.47	160.80	9.00	172.80	9.78	197.10	11.10	209.10	11.76	233.40	13.11	
106.0	112.20	6.54	136.50	8.19	160.80	9.90	172.80	10.77	197.10	12.15	209.10	12.87	233.40	14.28	
111.0	112.20	7.65	136.50	9.60	160.80	11.55	172.80	12.54	197.10	14.01	209.10	14.76	233.40	16.23	
115.0	112.20	8.55	136.50	10.65	160.80	12.75	172.80	13.83	197.10	15.36	209.10	16.14	233.40	17.67	
118.0	112.20	9.81	135.00	11.85	157.80	13.89	168.90	14.91	187.80	15.90	197.10	16.41	216.00	17.40	
120.0	112.20	10.11	128.10	12.78	150.60	14.94	162.00	15.99	178.80	16.53	187.20	16.77	204.00	17.16	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Cooling

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.	Indoor temperature (°F)													
		68 (20.0°C, DB)		73 (22.8°C, DB)		79 (26.1°C, DB)		80 (26.7°C, DB)		85 (29.4°C, DB)		87 (30.6°C, DB)		89 (31.7°C, DB)	
		TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
50	23.0	93.60	2.55	113.70	3.12	133.80	3.69	144.00	3.99	164.10	4.38	174.30	4.56	194.40	4.95
	27.0	93.60	2.61	113.70	3.18	133.80	3.75	144.00	4.02	164.10	4.41	174.30	4.59	194.40	4.98
	32.0	93.60	2.67	113.70	3.24	133.80	3.81	144.00	4.08	164.10	4.47	174.30	4.65	194.40	5.04
	37.0	93.60	2.76	113.70	3.30	133.80	3.87	144.00	4.14	164.10	4.53	174.30	4.71	194.40	5.10
	41.0	93.60	2.79	113.70	3.36	133.80	3.93	144.00	4.20	164.10	4.56	174.30	4.77	194.40	5.13
	46.0	93.60	2.85	113.70	3.42	133.80	3.99	144.00	4.26	164.10	4.65	174.30	4.83	194.40	5.22
	50.0	93.60	2.94	113.70	3.48	133.80	4.02	144.00	4.29	164.10	4.68	174.30	4.89	194.40	5.28
	54.0	93.60	2.97	113.70	3.54	133.80	4.08	144.00	4.35	164.10	4.77	174.30	4.95	194.40	5.34
	57.0	93.60	3.00	113.70	3.57	133.80	4.14	144.00	4.44	164.10	4.83	174.30	5.04	194.40	5.43
	61.0	93.60	3.03	113.70	3.63	133.80	4.20	144.00	4.50	164.10	4.92	174.30	5.13	194.40	5.52
	64.0	93.60	3.09	113.70	3.69	133.80	4.29	144.00	4.59	164.10	5.01	174.30	5.22	194.40	5.64
	68.0	93.60	3.18	113.70	3.78	133.80	4.38	144.00	4.71	164.10	5.16	174.30	5.40	194.40	5.85
	72.0	93.60	3.24	113.70	3.87	133.80	4.50	144.00	4.83	164.10	5.34	174.30	5.58	194.40	6.09
	75.0	93.60	3.27	113.70	3.96	133.80	4.62	144.00	4.98	164.10	5.52	174.30	5.79	194.40	6.36
	79.0	93.60	3.30	113.70	4.08	133.80	4.83	144.00	5.22	164.10	5.82	174.30	6.12	194.40	6.69
	82.0	93.60	3.36	113.70	4.17	133.80	5.01	144.00	5.43	164.10	6.12	174.30	6.45	194.40	7.11
	86.0	93.60	3.45	113.70	4.35	133.80	5.25	144.00	5.67	164.10	6.42	174.30	6.81	194.40	7.56
	90.0	93.60	3.63	113.70	4.56	133.80	5.49	144.00	5.97	164.10	6.78	174.30	7.20	194.40	8.04
	93.0	93.60	3.78	113.70	4.77	133.80	5.79	144.00	6.27	164.10	7.20	174.30	7.68	194.40	8.61
	95.0	93.60	3.90	113.70	4.92	133.80	5.94	144.00	6.45	164.10	7.44	174.30	7.92	194.40	8.91
99.0	93.60	4.17	113.70	5.34	133.80	6.51	144.00	7.11	164.10	8.16	174.30	8.67	194.40	9.72	
102.0	93.60	4.59	113.70	5.88	133.80	7.17	144.00	7.80	164.10	8.94	174.30	9.48	194.40	10.62	
106.0	93.60	5.10	113.70	6.51	133.80	7.95	144.00	8.67	164.10	9.87	174.30	10.47	194.40	11.64	
111.0	93.60	6.03	113.70	7.71	133.80	9.39	144.00	10.23	164.10	11.55	174.30	12.21	194.40	13.53	
115.0	93.60	6.75	113.70	8.55	133.80	10.38	144.00	11.28	164.10	12.72	174.30	13.44	194.40	14.88	
118.0	93.60	7.83	113.70	9.66	133.80	11.52	144.00	12.45	164.10	13.95	174.30	14.70	194.40	16.20	
120.0	93.60	8.07	113.70	10.53	133.80	12.42	144.00	13.32	158.70	14.34	167.10	14.82	185.40	15.75	

- 1) The performance table shows the average value of each conditions.
- 2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)										
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)		
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	
130	60.0	56.0	500.10	30.63	484.50	28.38	421.20	20.16	405.30	19.23	389.70	18.30	
	57.0	53.0	500.10	33.21	484.50	30.84	421.20	22.08	405.30	20.94	389.70	19.86	
	54.0	50.0	500.10	36.00	484.50	33.42	421.20	24.15	405.30	22.86	389.70	21.57	
	51.0	47.0	500.10	38.94	484.50	36.30	421.20	26.43	405.30	24.90	389.70	23.40	
	47.0	43.0	500.10	41.88	484.50	39.18	421.20	28.92	405.30	27.12	389.70	25.38	
	44.0	40.0	500.10	44.88	484.50	42.15	421.20	31.62	405.30	29.55	389.70	27.57	
	39.0	36.0	500.10	48.12	484.50	45.21	421.20	34.38	405.30	32.10	389.70	29.94	
	35.0	32.0	500.10	51.39	484.50	48.42	421.20	37.14	405.30	34.71	389.70	32.37	
	30.0	28.0	500.10	54.66	484.50	51.69	421.20	40.23	405.30	37.53	389.70	34.95	
	26.0	24.0	500.10	57.93	484.50	54.96	421.20	43.32	405.30	40.50	389.70	37.74	
	23.0	21.0	500.10	61.23	484.50	58.23	421.20	46.38	405.30	43.44	389.70	40.56	
	19.0	18.0	498.30	64.26	484.50	61.53	421.20	49.50	405.30	46.41	389.70	43.41	
	17.0	15.0	492.60	64.44	484.50	63.30	421.20	51.18	405.30	48.00	389.70	44.91	
	13.0	12.0	479.70	64.29	479.70	65.55	421.20	54.54	405.30	51.27	389.70	48.06	
	10.0	9.0	466.80	64.14	466.80	65.40	421.20	57.84	405.30	54.51	389.70	51.18	
	6.0	5.0	447.30	63.93	447.30	65.19	421.20	62.82	405.30	59.40	389.70	56.01	
	2.0	1.0	434.40	63.78	434.40	65.04	421.20	66.27	405.30	62.64	389.70	59.19	
	-1.8	-2.2	421.20	63.63	421.20	64.89	421.20	69.96	405.30	66.27	389.70	62.61	
	-3.6	-4.0	414.90	63.57	414.90	64.83	414.60	69.87	404.40	67.80	389.70	64.41	
	-7.1	-7.6	402.00	63.42	402.00	64.68	401.70	69.72	391.50	67.65	381.30	65.58	
	-12.6	-13.0	382.50	63.21	382.50	64.47	382.20	69.51	372.00	67.44	361.80	65.37	
	120	60.0	56.0	461.70	25.56	447.00	23.91	388.80	17.85	374.10	17.13	359.70	16.44
		57.0	53.0	461.70	27.75	447.00	25.95	388.80	19.38	374.10	18.51	359.70	17.70
		54.0	50.0	461.70	30.06	447.00	28.17	388.80	21.06	374.10	20.07	359.70	19.11
51.0		47.0	461.70	32.61	447.00	30.51	388.80	22.95	374.10	21.78	359.70	20.64	
47.0		43.0	461.70	35.28	447.00	33.06	388.80	24.99	374.10	23.64	359.70	22.29	
44.0		40.0	461.70	37.95	447.00	35.64	388.80	27.18	374.10	25.62	359.70	24.12	
39.0		36.0	461.70	40.74	447.00	38.28	388.80	29.46	374.10	27.72	359.70	26.04	
35.0		32.0	461.70	43.71	447.00	41.10	388.80	31.74	374.10	29.88	359.70	28.05	
30.0		28.0	461.70	46.80	447.00	44.04	388.80	34.11	374.10	32.10	359.70	30.12	
26.0		24.0	461.70	49.98	447.00	47.10	388.80	36.72	374.10	34.53	359.70	32.40	
23.0		21.0	461.70	53.22	447.00	50.28	388.80	39.42	374.10	37.11	359.70	34.83	
19.0		18.0	461.70	56.43	447.00	53.49	388.80	42.15	374.10	39.75	359.70	37.38	
17.0		15.0	461.70	58.05	447.00	55.11	388.80	43.62	374.10	41.13	359.70	38.70	
13.0		12.0	461.70	61.44	447.00	58.32	388.80	46.68	374.10	44.07	359.70	41.49	
10.0		9.0	458.40	64.08	447.00	61.74	388.80	49.86	374.10	47.10	359.70	44.40	
6.0		5.0	438.90	63.87	436.80	64.11	388.80	54.60	374.10	51.75	359.70	48.93	
2.0		1.0	426.00	63.72	423.90	63.99	388.80	57.78	374.10	54.87	359.70	51.99	
-1.8		-2.2	413.10	63.57	410.70	63.84	388.80	61.17	374.10	58.11	359.70	55.08	
-3.6		-4.0	406.50	63.51	404.40	63.75	388.80	62.94	374.10	59.85	359.70	56.79	
-7.1		-7.6	393.60	63.36	391.50	63.63	382.20	64.62	371.40	62.52	359.70	60.18	
-12.6		-13.0	374.10	63.15	372.00	63.39	363.00	64.41	351.90	62.31	341.10	60.24	
110		60.0	56.0	423.30	20.94	409.80	19.83	356.40	15.69	342.90	15.15	329.70	14.61
		57.0	53.0	423.30	22.74	409.80	21.48	356.40	16.86	342.90	16.23	329.70	15.60
		54.0	50.0	423.30	24.72	409.80	23.31	356.40	18.18	342.90	17.46	329.70	16.74
	51.0	47.0	423.30	26.85	409.80	25.32	356.40	19.68	342.90	18.84	329.70	18.00	
	47.0	43.0	423.30	29.19	409.80	27.48	356.40	21.36	342.90	20.37	329.70	19.38	
	44.0	40.0	423.30	31.65	409.80	29.79	356.40	23.16	342.90	21.99	329.70	20.85	
	39.0	36.0	423.30	34.14	409.80	32.13	356.40	24.99	342.90	23.70	329.70	22.41	
	35.0	32.0	423.30	36.72	409.80	34.50	356.40	26.82	342.90	25.41	329.70	24.03	
	30.0	28.0	423.30	39.51	409.80	37.08	356.40	28.68	342.90	27.15	329.70	25.65	
	26.0	24.0	423.30	42.39	409.80	39.84	356.40	30.63	342.90	29.01	329.70	27.42	
	23.0	21.0	423.30	45.39	409.80	42.66	356.40	32.85	342.90	31.11	329.70	29.40	
	19.0	18.0	423.30	48.57	409.80	45.69	356.40	35.28	342.90	33.45	329.70	31.62	
	17.0	15.0	423.30	50.16	409.80	47.25	356.40	36.54	342.90	34.65	329.70	32.76	
	13.0	12.0	423.30	53.37	409.80	50.43	356.40	39.24	342.90	37.23	329.70	35.22	
	10.0	9.0	423.30	56.55	409.80	53.58	356.40	42.09	342.90	39.96	329.70	37.86	
	6.0	5.0	423.30	61.65	409.80	58.44	356.40	46.62	342.90	44.34	329.70	42.06	
	2.0	1.0	417.90	63.66	409.50	61.86	356.40	49.65	342.90	47.28	329.70	44.94	
	-1.8	-2.2	405.00	63.51	400.50	62.76	356.40	52.74	342.90	50.31	329.70	47.88	
	-3.6	-4.0	398.40	63.45	393.90	62.70	356.40	54.36	342.90	51.87	329.70	49.41	
	-7.1	-7.6	385.50	63.30	381.00	62.55	356.40	57.75	342.90	55.17	329.70	52.62	
	-12.6	-13.0	366.00	63.09	361.50	62.34	343.50	59.28	331.80	57.18	320.40	55.11	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
100	60.0	56.0	384.90	16.62	372.60	15.99	324.00	13.68	312.00	13.29	299.70	12.87
	57.0	53.0	384.90	18.09	372.60	17.34	324.00	14.49	312.00	14.04	299.70	13.62
	54.0	50.0	384.90	19.77	372.60	18.84	324.00	15.48	312.00	14.97	299.70	14.49
	51.0	47.0	384.90	21.60	372.60	20.55	324.00	16.65	312.00	16.05	299.70	15.48
	47.0	43.0	384.90	23.61	372.60	22.41	324.00	18.00	312.00	17.28	299.70	16.59
	44.0	40.0	384.90	25.77	372.60	24.39	324.00	19.44	312.00	18.63	299.70	17.79
	39.0	36.0	384.90	28.05	372.60	26.49	324.00	20.88	312.00	19.95	299.70	19.02
	35.0	32.0	384.90	30.39	372.60	28.62	324.00	22.32	312.00	21.30	299.70	20.25
	30.0	28.0	384.90	32.79	372.60	30.75	324.00	23.76	312.00	22.65	299.70	21.51
	26.0	24.0	384.90	35.43	372.60	33.18	324.00	25.20	312.00	24.03	299.70	22.83
	23.0	21.0	384.90	38.19	372.60	35.76	324.00	26.62	312.00	25.56	299.70	24.33
	19.0	18.0	384.90	40.95	372.60	38.37	324.00	28.80	312.00	27.45	299.70	26.13
	17.0	15.0	384.90	42.42	372.60	39.75	324.00	29.88	312.00	28.50	299.70	27.09
	13.0	12.0	384.90	45.54	372.60	42.72	324.00	32.22	312.00	30.72	299.70	29.25
	10.0	9.0	384.90	48.72	372.60	45.81	324.00	34.74	312.00	33.15	299.70	31.56
	6.0	5.0	384.90	53.46	372.60	50.46	324.00	38.88	312.00	37.14	299.70	35.37
	2.0	1.0	384.90	56.67	372.60	53.58	324.00	41.76	312.00	39.93	299.70	38.07
	-1.8	-2.2	384.90	60.09	372.60	56.88	324.00	44.64	312.00	42.75	299.70	40.83
	-3.6	-4.0	384.90	61.86	372.60	58.62	324.00	46.08	312.00	44.16	299.70	42.21
	-7.1	-7.6	377.10	63.24	370.50	61.47	324.00	49.32	312.00	47.28	299.70	45.27
-12.6	-13.0	357.90	63.03	351.00	61.26	324.00	54.18	312.00	52.08	299.70	49.95	
90	60.0	56.0	346.20	14.46	335.40	13.98	291.60	12.12	280.80	11.79	269.70	11.49
	57.0	53.0	346.20	15.51	335.40	14.97	291.60	12.81	280.80	12.48	269.70	12.12
	54.0	50.0	346.20	16.74	335.40	16.08	291.60	13.62	280.80	13.23	269.70	12.84
	51.0	47.0	346.20	18.06	335.40	17.34	291.60	14.58	280.80	14.13	269.70	13.65
	47.0	43.0	346.20	19.50	335.40	18.72	291.60	15.69	280.80	15.12	269.70	14.58
	44.0	40.0	346.20	21.06	335.40	20.16	291.60	16.83	280.80	16.20	269.70	15.57
	39.0	36.0	346.20	22.77	335.40	21.75	291.60	17.97	280.80	17.28	269.70	16.59
	35.0	32.0	346.20	24.57	335.40	23.43	291.60	19.14	280.80	18.36	269.70	17.58
	30.0	28.0	346.20	26.46	335.40	25.17	291.60	20.37	280.80	19.50	269.70	18.66
	26.0	24.0	346.20	28.59	335.40	27.09	291.60	21.63	280.80	20.70	269.70	19.80
	23.0	21.0	346.20	30.84	335.40	29.19	291.60	23.01	280.80	22.05	269.70	21.09
	19.0	18.0	346.20	33.21	335.40	31.44	291.60	24.72	280.80	23.67	269.70	22.59
	17.0	15.0	346.20	34.44	335.40	32.61	291.60	25.65	280.80	24.54	269.70	23.43
	13.0	12.0	346.20	37.02	335.40	35.10	291.60	27.66	280.80	26.46	269.70	25.23
	10.0	9.0	346.20	39.78	335.40	37.74	291.60	29.85	280.80	28.56	269.70	27.24
	6.0	5.0	346.20	44.13	335.40	41.94	291.60	33.51	280.80	32.04	269.70	30.57
	2.0	1.0	346.20	47.13	335.40	44.85	291.60	36.09	280.80	34.53	269.70	32.97
	-1.8	-2.2	346.20	50.16	335.40	47.85	291.60	38.76	280.80	37.11	269.70	35.46
	-3.6	-4.0	346.20	51.75	335.40	49.38	291.60	40.11	280.80	38.43	269.70	36.75
	-7.1	-7.6	346.20	55.02	335.40	52.59	291.60	43.08	280.80	41.31	269.70	39.51
-12.6	-13.0	330.00	55.65	322.50	54.06	291.60	47.73	280.80	45.84	269.70	43.95	
80	60.0	56.0	307.80	12.39	298.20	12.00	259.20	10.56	249.60	10.32	239.70	10.11
	57.0	53.0	307.80	13.08	298.20	12.69	259.20	11.13	249.60	10.89	239.70	10.65
	54.0	50.0	307.80	13.89	298.20	13.47	259.20	11.76	249.60	11.49	239.70	11.22
	51.0	47.0	307.80	14.79	298.20	14.34	259.20	12.51	249.60	12.18	239.70	11.85
	47.0	43.0	307.80	15.72	298.20	15.27	259.20	13.35	249.60	12.96	239.70	12.57
	44.0	40.0	307.80	16.71	298.20	16.23	259.20	14.22	249.60	13.77	239.70	13.35
	39.0	36.0	307.80	17.85	298.20	17.31	259.20	15.09	249.60	14.61	239.70	14.13
	35.0	32.0	307.80	19.14	298.20	18.51	259.20	15.96	249.60	15.42	239.70	14.91
	30.0	28.0	307.80	20.58	298.20	19.86	259.20	16.95	249.60	16.38	239.70	15.78
	26.0	24.0	307.80	22.20	298.20	21.33	259.20	18.03	249.60	17.40	239.70	16.74
	23.0	21.0	307.80	23.97	298.20	23.01	259.20	19.23	249.60	18.54	239.70	17.82
	19.0	18.0	307.80	25.89	298.20	24.84	259.20	20.64	249.60	19.86	239.70	19.08
	17.0	15.0	307.80	26.91	298.20	25.80	259.20	21.42	249.60	20.58	239.70	19.77
	13.0	12.0	307.80	29.04	298.20	27.84	259.20	23.10	249.60	22.17	239.70	21.24
	10.0	9.0	307.80	31.32	298.20	30.03	259.20	24.99	249.60	23.94	239.70	22.92
	6.0	5.0	307.80	35.13	298.20	33.72	259.20	28.11	249.60	26.94	239.70	25.74
	2.0	1.0	307.80	37.80	298.20	36.30	259.20	30.42	249.60	29.13	239.70	27.84
	-1.8	-2.2	307.80	40.68	298.20	39.12	259.20	32.88	249.60	31.47	239.70	30.09
	-3.6	-4.0	307.80	42.15	298.20	40.53	259.20	34.17	249.60	32.73	239.70	31.29
	-7.1	-7.6	307.80	45.09	298.20	43.44	259.20	36.84	249.60	35.31	239.70	33.78
-12.6	-13.0	302.40	48.27	293.70	46.86	259.20	41.25	249.60	39.57	239.70	37.92	

1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

9. Capacity Table

AM288*XVT**

Heating

TC : Total Capacity, PI : Power Input

Combination, % (Capacity index)	Outdoor Air Temp.		Indoor temperature (°F)									
			61 (16.1°C, DB)		64 (17.8°C, DB)		70 (21.1°C, DB)		72 (22.2°C, DB)		75 (23.9°C, DB)	
	DB	WB	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)	TC(MBH)	PI(kW)
70	60.0	56.0	269.40	10.53	260.70	10.23	226.80	9.06	218.40	8.91	209.70	8.73
	57.0	53.0	269.40	11.04	260.70	10.74	226.80	9.57	218.40	9.39	209.70	9.18
	54.0	50.0	269.40	11.58	260.70	11.28	226.80	10.08	218.40	9.87	209.70	9.63
	51.0	47.0	269.40	12.24	260.70	11.91	226.80	10.65	218.40	10.41	209.70	10.14
	47.0	43.0	269.40	12.87	260.70	12.57	226.80	11.31	218.40	11.01	209.70	10.71
	44.0	40.0	269.40	13.56	260.70	13.23	226.80	11.94	218.40	11.64	209.70	11.31
	39.0	36.0	269.40	14.37	260.70	14.01	226.80	12.60	218.40	12.27	209.70	11.94
	35.0	32.0	269.40	15.27	260.70	14.88	226.80	13.29	218.40	12.93	209.70	12.57
	30.0	28.0	269.40	16.35	260.70	15.90	226.80	14.13	218.40	13.71	209.70	13.32
	26.0	24.0	269.40	17.55	260.70	17.07	226.80	15.03	218.40	14.55	209.70	14.10
	23.0	21.0	269.40	18.93	260.70	18.33	226.80	15.99	218.40	15.48	209.70	14.97
	19.0	18.0	269.40	20.43	260.70	19.77	226.80	17.10	218.40	16.53	209.70	15.99
	17.0	15.0	269.40	21.27	260.70	20.55	226.80	17.73	218.40	17.13	209.70	16.53
	13.0	12.0	269.40	22.95	260.70	22.17	226.80	19.11	218.40	18.42	209.70	17.73
	10.0	9.0	269.40	24.81	260.70	23.97	226.80	20.61	218.40	19.83	209.70	19.05
	6.0	5.0	269.40	27.93	260.70	26.97	226.80	23.19	218.40	22.26	209.70	21.33
	2.0	1.0	269.40	30.18	260.70	29.16	226.80	25.11	218.40	24.12	209.70	23.10
	-1.8	-2.2	269.40	32.70	260.70	31.62	226.80	27.24	218.40	26.13	209.70	25.02
	-3.6	-4.0	269.40	34.02	260.70	32.88	226.80	28.41	218.40	27.24	209.70	26.07
	-7.1	-7.6	269.40	36.63	260.70	35.46	226.80	30.72	218.40	29.46	209.70	28.23
-12.6	-13.0	269.40	40.71	260.70	39.51	226.80	34.71	218.40	33.30	209.70	31.89	
60	60.0	56.0	231.00	8.82	223.50	8.58	194.40	7.65	187.20	7.53	179.70	7.38
	57.0	53.0	231.00	9.24	223.50	9.03	194.40	8.10	187.20	7.92	179.70	7.77
	54.0	50.0	231.00	9.72	223.50	9.48	194.40	8.52	187.20	8.34	179.70	8.16
	51.0	47.0	231.00	10.20	223.50	9.96	194.40	9.00	187.20	8.79	179.70	8.58
	47.0	43.0	231.00	10.71	223.50	10.47	194.40	9.51	187.20	9.27	179.70	9.03
	44.0	40.0	231.00	11.31	223.50	11.04	194.40	9.99	187.20	9.75	179.70	9.51
	39.0	36.0	231.00	11.97	223.50	11.70	194.40	10.56	187.20	10.29	179.70	10.05
	35.0	32.0	231.00	12.72	223.50	12.39	194.40	11.16	187.20	10.89	179.70	10.59
	30.0	28.0	231.00	13.50	223.50	13.17	194.40	11.85	187.20	11.52	179.70	11.22
	26.0	24.0	231.00	14.43	223.50	14.07	194.40	12.57	187.20	12.21	179.70	11.85
	23.0	21.0	231.00	15.45	223.50	15.03	194.40	13.32	187.20	12.93	179.70	12.54
	19.0	18.0	231.00	16.56	223.50	16.08	194.40	14.16	187.20	13.74	179.70	13.32
	17.0	15.0	231.00	17.13	223.50	16.62	194.40	14.61	187.20	14.16	179.70	13.71
	13.0	12.0	231.00	18.36	223.50	17.82	194.40	15.66	187.20	15.15	179.70	14.64
	10.0	9.0	231.00	19.77	223.50	19.17	194.40	16.77	187.20	16.20	179.70	15.66
	6.0	5.0	231.00	22.20	223.50	21.48	194.40	18.69	187.20	18.03	179.70	17.37
	2.0	1.0	231.00	24.00	223.50	23.25	194.40	20.19	187.20	19.47	179.70	18.75
	-1.8	-2.2	231.00	26.07	223.50	25.23	194.40	21.87	187.20	21.06	179.70	20.25
	-3.6	-4.0	231.00	27.15	223.50	26.28	194.40	22.83	187.20	21.96	179.70	21.12
	-7.1	-7.6	231.00	29.37	223.50	28.44	194.40	24.75	187.20	23.82	179.70	22.86
-12.6	-13.0	231.00	32.94	223.50	31.95	194.40	28.05	187.20	26.97	179.70	25.89	
50	60.0	56.0	192.30	7.11	186.30	6.96	162.00	6.27	156.00	6.15	150.00	6.03
	57.0	53.0	192.30	7.47	186.30	7.32	162.00	6.63	156.00	6.48	150.00	6.36
	54.0	50.0	192.30	7.83	186.30	7.68	162.00	6.99	156.00	6.81	150.00	6.66
	51.0	47.0	192.30	8.19	186.30	8.04	162.00	7.35	156.00	7.17	150.00	6.99
	47.0	43.0	192.30	8.55	186.30	8.40	162.00	7.71	156.00	7.53	150.00	7.35
	44.0	40.0	192.30	9.06	186.30	8.88	162.00	8.07	156.00	7.89	150.00	7.71
	39.0	36.0	192.30	9.60	186.30	9.39	162.00	8.52	156.00	8.31	150.00	8.13
	35.0	32.0	192.30	10.14	186.30	9.93	162.00	9.06	156.00	8.82	150.00	8.61
	30.0	28.0	192.30	10.68	186.30	10.47	162.00	9.60	156.00	9.36	150.00	9.12
	26.0	24.0	192.30	11.28	186.30	11.07	162.00	10.14	156.00	9.87	150.00	9.60
	23.0	21.0	192.30	11.97	186.30	11.73	162.00	10.68	156.00	10.38	150.00	10.11
	19.0	18.0	192.30	12.66	186.30	12.39	162.00	11.22	156.00	10.92	150.00	10.65
	17.0	15.0	192.30	13.02	186.30	12.72	162.00	11.49	156.00	11.19	150.00	10.92
	13.0	12.0	192.30	13.80	186.30	13.50	162.00	12.21	156.00	11.88	150.00	11.58
	10.0	9.0	192.30	14.76	186.30	14.40	162.00	12.93	156.00	12.60	150.00	12.27
	6.0	5.0	192.30	16.47	186.30	16.02	162.00	14.19	156.00	13.80	150.00	13.41
	2.0	1.0	192.30	17.85	186.30	17.34	162.00	15.27	156.00	14.82	150.00	14.40
	-1.8	-2.2	192.30	19.41	186.30	18.84	162.00	16.53	156.00	16.02	150.00	15.51
	-3.6	-4.0	192.30	20.28	186.30	19.68	162.00	17.25	156.00	16.68	150.00	16.14
	-7.1	-7.6	192.30	22.11	186.30	21.45	162.00	18.78	156.00	18.15	150.00	17.52
-12.6	-13.0	192.30	25.17	186.30	24.42	162.00	21.39	156.00	20.64	150.00	19.89	


1) The performance table shows the average value of each conditions.

2) Please contact your local Samsung representative for further details if the project requires you to design the project with a connection ratio greater than 130%.

10. Capacity Correction


AM072*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.74	0.73	0.72
328	-	-	-	-	-	-	-	-	-	-	-	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74
295	-	-	-	-	-	-	-	-	-	0.88	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74
262	-	-	-	-	-	-	-	-	0.88	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73
230	-	-	-	-	-	-	-	0.89	0.89	0.88	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.74	0.73
197	-	-	-	-	-	-	0.91	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73
164	-	-	-	-	-	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.74	0.73	0.72
131	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73
98	-	-	-	0.95	0.94	0.93	0.91	0.90	0.89	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.74	0.73
66	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.74	0.73
33	-	0.98	0.97	0.96	0.94	0.93	0.92	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.74	0.73
0	0.99	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74
-33	-	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74
-66	-	-	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74
-98	-	-	-	0.97	0.95	0.94	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.74
-131	-	-	-	-	0.95	0.94	0.93	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.74


Heating



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
328	-	-	-	-	-	-	-	-	-	-	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
295	-	-	-	-	-	-	-	-	-	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
262	-	-	-	-	-	-	-	-	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
230	-	-	-	-	-	-	-	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
197	-	-	-	-	-	-	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
164	-	-	-	-	-	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
131	-	-	-	-	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
98	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
66	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
33	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
0	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
-33	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
-66	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
-98	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
-131	-	-	-	-	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88


AM096*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.79
328	-	-	-	-	-	-	-	-	-	-	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79	0.79
295	-	-	-	-	-	-	-	-	-	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.79
262	-	-	-	-	-	-	-	-	0.90	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79
230	-	-	-	-	-	-	-	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.80
197	-	-	-	-	-	-	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.80
164	-	-	-	-	-	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.80	0.80
131	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.80
98	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80
66	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.81
33	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.81	0.81
0	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81	0.81
-33	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81
-66	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81
-98	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81
-131	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.82

Heating




Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.91	0.91	0.91
328	-	-	-	-	-	-	-	-	-	-	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.91	0.91	0.91
295	-	-	-	-	-	-	-	-	-	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.91	0.91	0.91
262	-	-	-	-	-	-	-	-	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92</				

10. Capacity Correction


AM192*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76
328	-	-	-	-	-	-	-	-	-	-	-	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76
295	-	-	-	-	-	-	-	-	-	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75
262	-	-	-	-	-	-	-	-	-	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75
230	-	-	-	-	-	-	-	-	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
197	-	-	-	-	-	-	-	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
164	-	-	-	-	-	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76
131	-	-	-	-	0.95	0.94	0.93	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76
98	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
66	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
33	-	0.99	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
0	0.99	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
-33	-	0.99	0.98	0.97	0.96	0.95	0.94	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77
-66	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78
-98	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78
-131	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78


Heating



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
328	-	-	-	-	-	-	-	-	-	-	-	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90
295	-	-	-	-	-	-	-	-	-	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
262	-	-	-	-	-	-	-	-	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
230	-	-	-	-	-	-	-	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
197	-	-	-	-	-	-	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
164	-	-	-	-	-	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
131	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
98	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
66	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
33	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
0	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
-33	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
-66	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
-98	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90
-131	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.90


AM216*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.74	0.73	0.72	0.72
328	-	-	-	-	-	-	-	-	-	-	-	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.73	0.72
295	-	-	-	-	-	-	-	-	-	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.74	0.72	0.72
262	-	-	-	-	-	-	-	-	-	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.74	0.72	0.72
230	-	-	-	-	-	-	-	0.89	0.88	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.74	0.73	0.73
197	-	-	-	-	-	-	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.77	0.75	0.74	0.73	0.73
164	-	-	-	-	-	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.74	0.73	0.73
131	-	-	-	-	0.94	0.93	0.91	0.90	0.89	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.73	0.73
98	-	-	-	0.95	0.94	0.93	0.92	0.90	0.89	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.74	0.74
66	-	-	0.97	0.96	0.94	0.93	0.92	0.90	0.89	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.74	0.74
33	-	0.98	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.79	0.78	0.76	0.75	0.74	0.74
0	0.99	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.77	0.75	0.74	0.74
-33	-	0.99	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.74	0.74
-66	-	-	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74
-98	-	-	-	0.97	0.95	0.94	0.93	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.74
-131	-	-	-	-	0.96	0.94	0.93	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.75

Heating




Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
328	-	-	-	-	-	-	-	-	-	-	-	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88
295	-	-	-	-	-	-	-	-	-	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.88
262	-	-	-	-	-	-	-	-	-	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88	0.88
230	-	-	-	-	-	-	-	0.96																

10. Capacity Correction


AM240*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.84	0.83	0.82	0.80	0.79	0.77	0.76	0.74	0.73	0.72	0.70	0.69	0.68
328	-	-	-	-	-	-	-	-	-	-	-	0.84	0.83	0.82	0.80	0.79	0.77	0.76	0.75	0.73	0.72	0.71	0.69	0.68
295	-	-	-	-	-	-	-	-	-	0.86	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.76	0.75	0.73	0.72	0.71	0.69	0.68
262	-	-	-	-	-	-	-	-	0.86	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.76	0.75	0.74	0.72	0.71	0.70	0.68	0.68
230	-	-	-	-	-	-	-	0.88	0.86	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.77	0.75	0.74	0.72	0.71	0.70	0.68	0.68
197	-	-	-	-	-	-	0.90	0.88	0.86	0.86	0.85	0.84	0.82	0.81	0.80	0.78	0.77	0.75	0.74	0.73	0.71	0.70	0.69	0.69
164	-	-	-	-	-	0.91	0.90	0.88	0.87	0.87	0.85	0.84	0.82	0.81	0.80	0.78	0.77	0.76	0.74	0.73	0.71	0.70	0.69	0.69
131	-	-	-	-	0.93	0.91	0.90	0.88	0.87	0.87	0.85	0.84	0.83	0.81	0.80	0.79	0.77	0.76	0.74	0.73	0.72	0.70	0.69	0.69
98	-	-	-	0.95	0.93	0.92	0.90	0.89	0.87	0.87	0.86	0.84	0.83	0.82	0.80	0.79	0.77	0.76	0.75	0.73	0.72	0.71	0.69	0.69
66	-	-	0.97	0.95	0.93	0.92	0.90	0.89	0.87	0.87	0.86	0.84	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.73	0.72	0.71	0.69	0.69
33	-	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.87	0.87	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.76	0.75	0.74	0.72	0.71	0.70	0.70
0	0.99	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.88	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.77	0.75	0.74	0.72	0.71	0.70	0.70
-33	-	0.99	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.88	0.86	0.85	0.84	0.82	0.81	0.80	0.78	0.77	0.75	0.74	0.73	0.71	0.70	0.70
-66	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.88	0.88	0.87	0.85	0.84	0.83	0.81	0.80	0.78	0.77	0.76	0.74	0.73	0.71	0.70	0.70
-98	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.88	0.87	0.85	0.84	0.83	0.81	0.80	0.79	0.77	0.76	0.74	0.73	0.71	0.70	0.70
-131	-	-	-	-	0.95	0.93	0.92	0.90	0.88	0.88	0.87	0.86	0.84	0.83	0.82	0.80	0.79	0.77	0.76	0.75	0.73	0.72	0.71	0.70


Heating



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
328	-	-	-	-	-	-	-	-	-	-	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
295	-	-	-	-	-	-	-	-	-	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
262	-	-	-	-	-	-	-	-	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
230	-	-	-	-	-	-	0.95	0.94	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
197	-	-	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
164	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
131	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
98	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
66	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
33	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
0	0.99	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
-33	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
-66	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
-98	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85
-131	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85


AM264*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82	0.82
328	-	-	-	-	-	-	-	-	-	-	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.83	0.82	0.82
295	-	-	-	-	-	-	-	-	-	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.82
262	-	-	-	-	-	-	-	-	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.82
230	-	-	-	-	-	-	0.93	0.92	0.92	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.83	0.83
197	-	-	-	-	-	-	0.94	0.93	0.92	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.83
164	-	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.84	0.83	0.83
131	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83
98	-	-	-	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.85	0.84	0.83
66	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.85	0.84	0.84
33	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.84
0	0.99	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.85	0.84	0.84
-33	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.84
-66	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.84
-98	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.84
-131	-	-	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.85	0.85

Heating




Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92
328	-	-	-	-	-	-	-	-	-	-	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92
295	-	-	-	-	-	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92
262	-	-	-	-	-	-	-	-	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.93	0.92	0.92
230	-																							

10. Capacity Correction


AM288*XVT**

Cooling



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.80
328	-	-	-	-	-	-	-	-	-	-	-	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80
295	-	-	-	-	-	-	-	-	-	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.81	0.80
262	-	-	-	-	-	-	-	-	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81	0.81	0.80
230	-	-	-	-	-	-	-	0.92	0.91	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82	0.81	0.80
197	-	-	-	-	-	-	0.93	0.92	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.81
164	-	-	-	-	-	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.81
131	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81	0.81
98	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.81
66	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81
33	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.82
0	0.99	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.82
-33	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.82
-66	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.82
-98	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.82
-131	-	-	-	-	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82

Heating



Level Difference (ft)	Pipe Length (ft)																							
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	591	623	656	689	722	
361	-	-	-	-	-	-	-	-	-	-	-	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
328	-	-	-	-	-	-	-	-	-	-	-	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
295	-	-	-	-	-	-	-	-	-	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
262	-	-	-	-	-	-	-	-	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
230	-	-	-	-	-	-	-	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
197	-	-	-	-	-	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
164	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
131	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
98	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
66	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
33	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
-33	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
-66	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
-98	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91
-131	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.91

Appendix. AHRI Data

Model	Rated Capacity (Btu/h)		EER (Btu/h / W)		IEER (Btu/h / W)		High COP (47F) (W/W)		Low COP (17F) (W/W)		SCHE (Btu/h / W)	
	Cooling	Heating	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted
AM072KXVTFH	69,000	77,000	14.1	11.7	32.6	25.3	4.35	3.64	2.58	2.40	-	-
AM072KXVTJH	69,000	77,000	14.1	11.7	32.6	25.3	4.35	3.64	2.58	2.40	-	-
AM096KXVTFH	92,000	103,000	14.4	12.2	33.0	24.7	4.32	3.59	2.45	2.38	-	-
AM096KXVTJH	92,000	103,000	14.4	12.2	33.0	24.7	4.32	3.59	2.45	2.38	-	-
AM144KXVTFH	138,000	154,000	13.3	11.4	29.8	23.0	3.71	3.60	2.15	2.30	-	-
AM144KXVTJH	138,000	154,000	13.3	11.4	29.8	23.0	3.71	3.60	2.15	2.30	-	-
AM168KXVTFH	160,000	180,000	13.4	11.5	29.7	22.7	3.74	3.60	2.15	2.25	-	-
AM168KXVTJH	160,000	180,000	13.4	11.5	29.7	22.7	3.74	3.60	2.15	2.25	-	-
AM192KXVTFH	184,000	206,000	13.1	11.5	29.1	22.5	3.78	3.55	2.15	2.25	-	-
AM192KXVTJH	184,000	206,000	13.1	11.5	29.1	22.5	3.78	3.55	2.15	2.25	-	-
AM216KXVTFH	206,000	230,000	13.3	11.3	28.3	21.4	3.81	3.55	2.12	2.15	-	-
AM216KXVTJH	206,000	230,000	13.3	11.3	28.3	21.4	3.81	3.55	2.12	2.15	-	-
AM240KXVTFH	228,000	258,000	13.4	11.4	28.5	21.0	3.77	3.53	2.11	2.15	-	-
AM240KXVTJH	228,000	258,000	13.4	11.4	28.5	21.0	3.77	3.53	2.11	2.15	-	-
AM264KXVTFH	252,000	282,000	12.8	11.3	28.3	20.4	3.70	3.51	2.11	2.10	-	-
AM264KXVTJH	252,000	282,000	12.8	11.3	28.3	20.4	3.70	3.51	2.11	2.10	-	-
AM288KXVTFH	276,000	308,000	12.8	11.2	28.1	20.1	3.70	3.50	2.10	2.10	-	-
AM288KXVTJH	276,000	308,000	12.8	11.2	28.1	20.1	3.70	3.50	2.10	2.10	-	-
AM072KXVTFR	69,000	77,000	14.1	11.7	32.6	25.3	4.35	3.64	2.58	2.40	29.5	25.8
AM072KXVTJR	69,000	77,000	14.1	11.7	32.6	25.3	4.35	3.64	2.58	2.40	29.5	25.8
AM096KXVTFR	92,000	103,000	14.4	12.2	33.0	24.7	4.32	3.59	2.45	2.38	29.3	26.1
AM096KXVTJR	92,000	103,000	14.4	12.2	33.0	24.7	4.32	3.59	2.45	2.38	29.3	26.1
AM144KXVTFR	138,000	154,000	13.3	11.4	29.8	23.0	3.71	3.60	2.15	2.30	27.3	25.5
AM144KXVTJR	138,000	154,000	13.3	11.4	29.8	23.0	3.71	3.60	2.15	2.30	27.3	25.5
AM168KXVTFR	160,000	180,000	13.4	11.5	29.7	22.7	3.74	3.60	2.15	2.25	26.5	24.6
AM168KXVTJR	160,000	180,000	13.4	11.5	29.7	22.7	3.74	3.60	2.15	2.25	26.5	24.6
AM192KXVTFR	184,000	206,000	13.1	11.5	29.1	22.5	3.78	3.55	2.15	2.25	25.6	23.7
AM192KXVTJR	184,000	206,000	13.1	11.5	29.1	22.5	3.78	3.55	2.15	2.25	25.6	23.7
AM216KXVTFR	206,000	230,000	13.3	11.3	28.3	21.4	3.81	3.55	2.12	2.15	26.1	23.7
AM216KXVTJR	206,000	230,000	13.3	11.3	28.3	21.4	3.81	3.55	2.12	2.15	26.1	23.7
AM240KXVTFR	228,000	258,000	13.4	11.4	28.5	21.0	3.77	3.53	2.11	2.15	23.2	23.2
AM240KXVTJR	228,000	258,000	13.4	11.4	28.5	21.0	3.77	3.53	2.11	2.15	23.2	23.2
AM264KXVTFR	252,000	282,000	12.8	11.3	28.3	20.4	3.70	3.51	2.11	2.10	23.3	22.8
AM264KXVTJR	252,000	282,000	12.8	11.3	28.3	20.4	3.70	3.51	2.11	2.10	23.3	22.8
AM288KXVTFR	276,000	308,000	12.8	11.2	28.1	20.1	3.70	3.50	2.10	2.10	23.6	21.8
AM288KXVTJR	276,000	308,000	12.8	11.2	28.1	20.1	3.70	3.50	2.10	2.10	23.6	21.8

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