



DMVT SERIES



MULTI-POSITION, VARIABLE-SPEED, ECM-BASED AIR HANDLER WITH INTERNAL TXV COMMUNICATING 1½ TO 5 TONS

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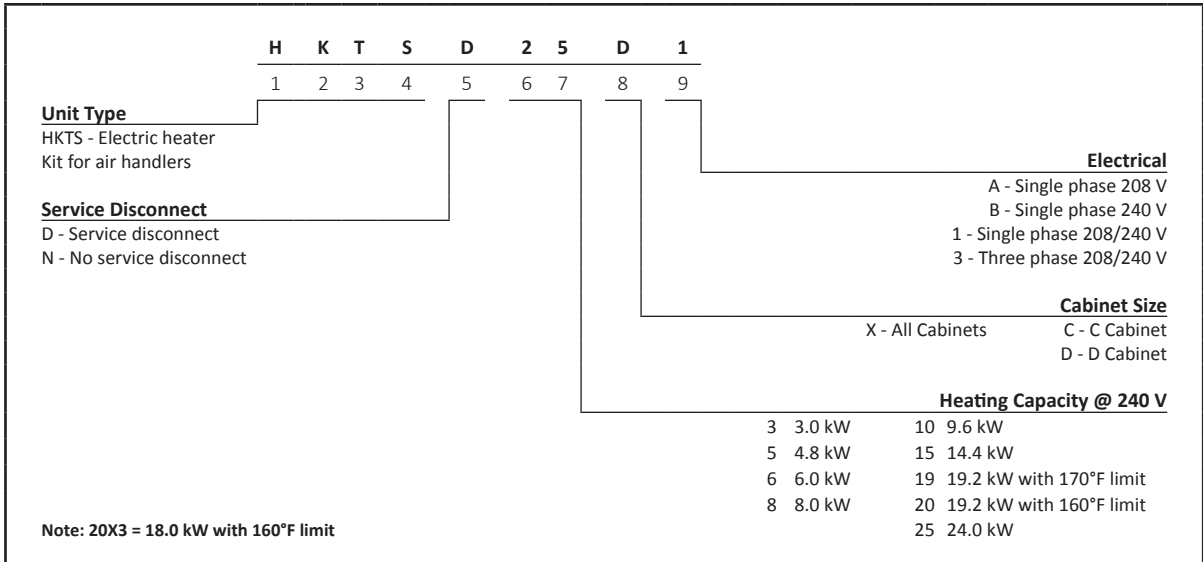
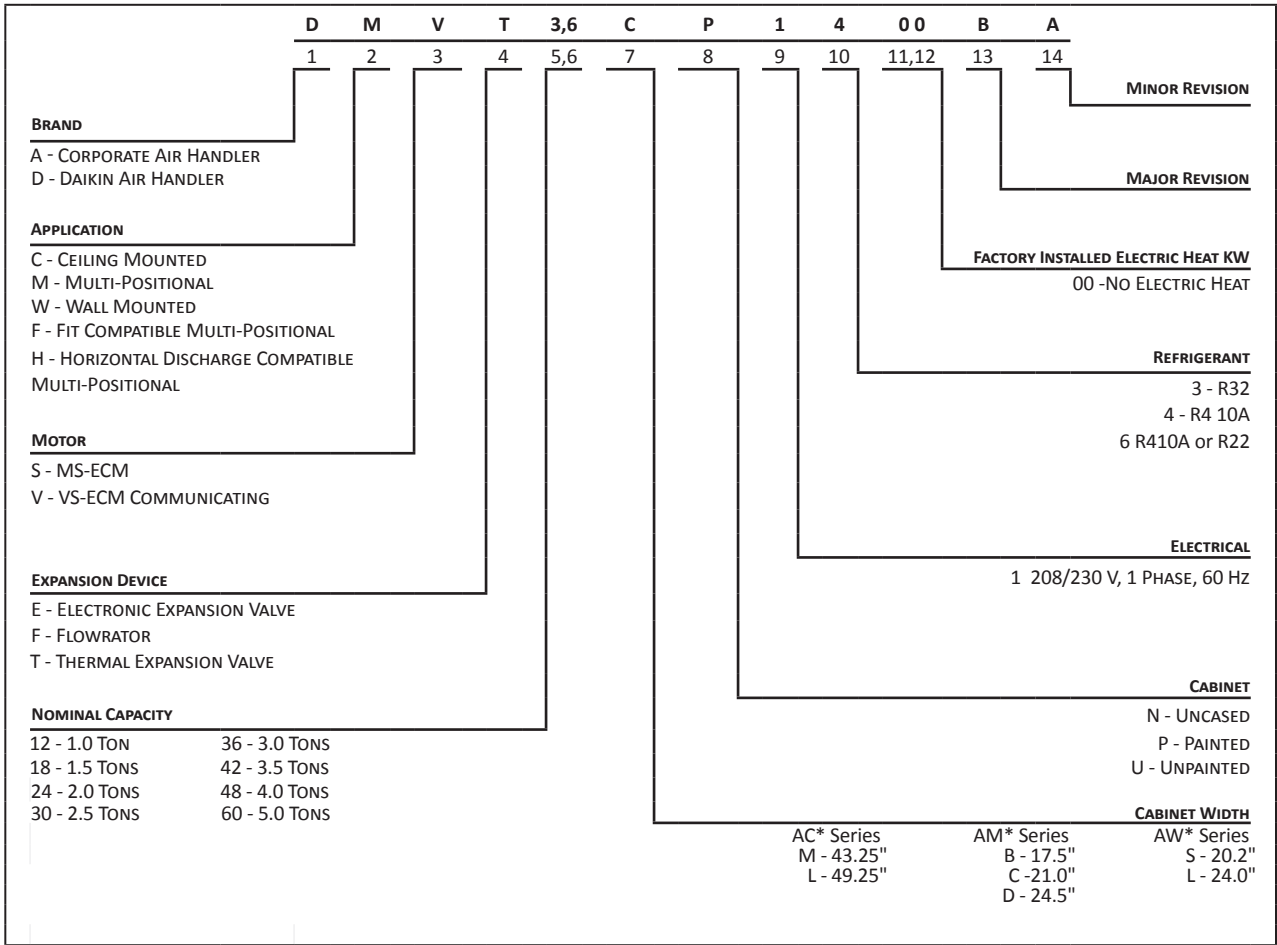
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■ Product Features

- Internal factory-installed thermal expansion valves for cooling and heat pump applications
- Variable-speed ECM blower motor
- Compatible with Daikin *One+* smart thermostat and other Daikin communicating equipment
- Auto configuration of the airflow and tonnage in communicating mode
- All-aluminum evaporator coil
- Provides constant CFM over a wide range of static pressure conditions independent of duct system
- CFM indicator
- Fault recall of six most recent faults
- Provides adjustable low CFM for efficient fan-only operation
- Improved humidity and comfort control
- Built-in compatibility with multi-stage heat pump and cooling applications
- AHRI certified; ETL listed
- UL 60335 2-40 Compliant
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- 3 kW – 25 kW electric heater kits
- Horizontal or vertical configuration capabilities
- 21" depth for easier attic access
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Screw-less sides and back helps to reduce condensation when installed in humid locations
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Galvanized, leather grain-embossed finish
- Glue-less cabinet insulation retention
- Tool-less filter access

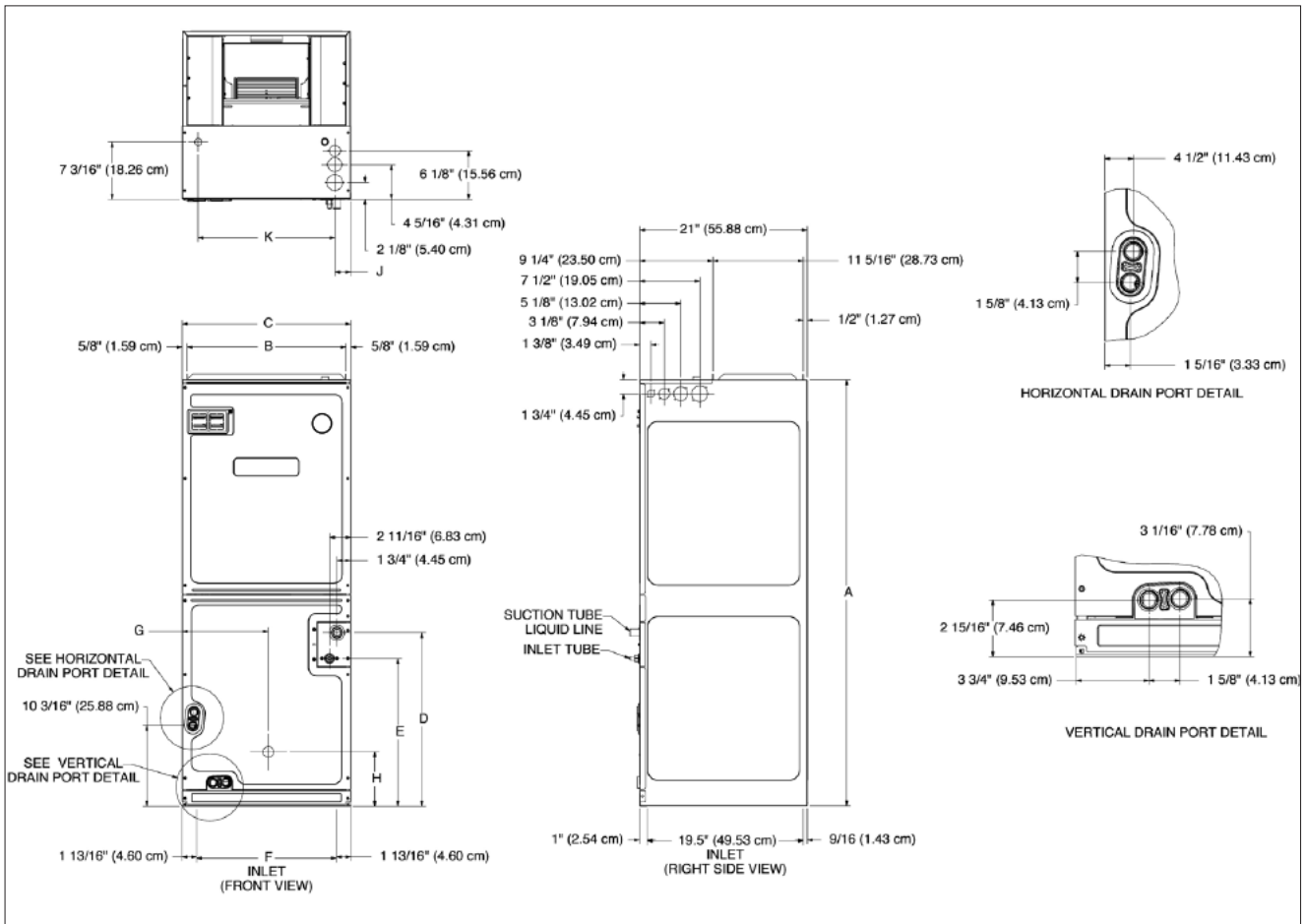


* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Québec. The duration of warranty coverage in Texas and Florida differs in some cases.



	DMVT 24BP1400	DMVT 30BP1400	DMVT 36BP1400	DMVT 36CP1400	DMVT 42CP1400	DMVT 48CP1400	DMVT 48DP1400	DMVT 60DP1400
NOMINAL RATINGS								
Cooling (Btu/h)	24,000	30,000	36,000	36,000	42,000	48,000	48,000	60,000
BLOWER								
Diameter	10"	10"	10"	10"	10"	10"	10"	11"
Width	6"	6"	6"	8"	8"	10"	10"	10"
REFRIGERANT LINE CONNECTION SIZE								
Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
Coil Drain Connect FPT	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
ELECTRICAL DATA								
Voltage	208/240	208/240	208/240	208/240	208/240	208/240	208/240	208/240
Min Circuit Ampacity	4.9/4.9	4.9/4.9	6.5/6.5	6.5/6.5	6.5/6.5	6.5/6.5	8.6/8.6	8.6/8.6
Max. Overcurrent Device (amps)	15/15	15/15	15/15	15/15	15/15	15/15	15/15	15/15
Min. / Max VAC	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253
Blower Motor								
Blower Motor (FLA)	3.9	3.9	5.2	5.2	5.2	5.2	6.9	6.9
Blower Motor (HP)	1/2	1/2	3/4	3/4	3/4	3/4	1	1
SHIP WEIGHT (LBS)	117	134	134	158	158	158	160	172

DIMENSIONS



MODEL	A"	B"	C"	D"	E"	F"	G"	H"	J"	K"
DMVT24BP1400	45	16 ⁵ / ₁₆	17 ⁹ / ₁₆	15 ¹ / ₄	12	12 ¹ / ₂	9	12 ⁹ / ₁₆	2	13 ⁵ / ₈
DMVT30BP1400	53 ³ / ₁₆	16 ⁵ / ₁₆	17 ⁹ / ₁₆	23 ¹¹ / ₁₆	20 ¹ / ₁₆	12 ¹ / ₂	9	12 ³ / ₄	2	13 ⁵ / ₈
DMVT36BP1400	53 ³ / ₁₆	16 ⁵ / ₁₆	17 ⁹ / ₁₆	23 ¹¹ / ₁₆	20 ¹ / ₁₆	12 ¹ / ₂	9	12 ³ / ₄	2	13 ⁵ / ₈
DMVT36CP1400	49	19 ¹³ / ₁₆	21 ¹ / ₈	21 ¹² / ₁₆	17 ³ / ₄	16 ¹ / ₁₆	9	12 ³ / ₄	2	17 ¹ / ₂
DMVT42CP1400	53 ³ / ₁₆	19 ¹³ / ₁₆	21 ¹ / ₈	21 ¹² / ₁₆	18 ¹ / ₂	16 ¹ / ₁₆	9	12 ³ / ₄	2	17 ¹ / ₂
DMVT48CP1400	58	19 ¹³ / ₁₆	21 ¹ / ₈	26 ³ / ₁₆	22 ¹⁵ / ₁₆	14 ¹⁰ / ₁₆	10 ¹³ / ₁₆	6 ¹³ / ₁₆	2	17 ¹ / ₂
DMVT48DP1400	53 ³ / ₁₆	23 ¹ / ₁₄	24 ⁵ / ₈	21 ¹ / ₁₆	18 ³ / ₄	17 ¹¹ / ₁₆	12 ⁹ / ₁₆	6 ¹⁵ / ₁₆	2	20 ⁵ / ₈
DMVT60DP1400	58	23 ¹ / ₁₄	24 ⁵ / ₈	26	22 3/4	17 ¹¹ / ₁₆	12 ⁹ / ₁₆	13 ¹³ / ₁₆	2	20 ⁵ / ₈

MODEL NUMBER	Low/ High	OUTDOOR TONNAGE						
		1.5	2	2.5	3	3.5	4	5
DMVT24BP1400	Low	402	536	-	-	-	-	-
	High	600	800	-	-	-	-	-
DMVT30BP1400	Low	402	536	670	-	-	-	-
	High	600	800	1,000	-	-	-	-
DMVT36BP1400	Low	-	-	670	804	-	-	-
	High	-	-	1,000	1,200	-	-	-
DMVT36CP1400	Low	-	536	670	804	-	-	-
	High	-	800	1,000	1,200	-	-	-
DMVT42CP1400	Low	-	-	-	804	938	-	-
	High	-	-	-	1,200	1,400	-	-
DMVT48CP1400	Low	-	-	-	-	938	1,072	-
	High	-	-	-	-	1,400	1,600	-
DMVT48DP1400	Low	-	-	-	-	-	1,072	-
	High	-	-	-	-	-	1,600	-
DMVT60DP1400	Low	-	-	-	-	-	1,072	1,340
	High	-	-	-	-	-	1,600	2,000

Notes

1. Airflow data indicated is at 230V without air filter in place.
2. The chart is for information only. For satisfactory operation, external static pressure must not exceed value shown on rating plate.
3. Use the CFM adjustment factors of 0.98 for horizontal left and 0.96 for horizontal right & downflow orientations
4. When applying a humidistat (normally closed), refer to the installation and operating instructions. The humidistat can adjust the cooling airflow to 85%.

HEAT KIT DATA

HEATER KIT MODEL	CIRCUIT 1 (208V/240V)			CIRCUIT 2 (208V/240V)			SINGLE-POINT KIT (208V/240V)	
	HEATER AMPS	MCA ¹	MOP ²	HEATER AMPS	MCA ¹	MOP ²	MCA ¹	MOP ²
DMVT24BU1400BA	0/0	4.9/4.9	15/15	---	---	---	---	---
HKTSN03X1	10.8/12.5	18.4/20.5	20/25	---	---	---	---	---
HKTS*05X1	17.3/20.0	26.5/29.9	30/30	---	---	---	---	---
HKTSN06X1	21.7/25.0	32.0/36.1	35/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	41.0/46.5	45/50	---	---	---	---	---
HKTS*10X1	34.7/40.0	48.2/54.9	50/60	---	---	---	---	---
HKTS15XA/B	34.7/40.0	48.2/54.9	50/60	17.3/20.0	21.6/25.0	25/25	69.9/79.9	70/80
DMVT30BU1400BA	0/0	4.9/4.9	15/15	---	---	---	---	---
HKTSN03X1	10.8/12.5	18.4/20.5	20/25	---	---	---	---	---
HKTS*05X1	17.3/20.0	26.5/29.9	30/30	---	---	---	---	---
HKTSN06X1	21.7/25.0	32.0/36.1	35/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	41.0/46.5	45/50	---	---	---	---	---
HKTS*10X1	34.7/40.0	48.2/54.9	50/60	---	---	---	---	---
HKTS15XA/B	34.7/40.0	48.2/54.9	50/60	17.3/20.0	21.6/25.0	25/25	69.9/79.9	70/80
DMVT36BU1400BA	0/0	6.5/6.5	15/15	---	---	---	---	---
HKTSN03X1	10.8/12.5	20.0/22.1	20/25	---	---	---	---	---
HKTS*05X1	17.3/20.0	28.1/31.5	30/35	---	---	---	---	---
HKTSN06X1	21.7/25.0	33.6/37.8	35/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	42.6/48.1	45/50	---	---	---	---	---
HKTS*10X1	34.7/40.0	49.9/56.5	50/60	---	---	---	---	---
HKTS15XA/B	34.7/40.0	49.9/56.5	50/60	17.3/20.0	21.6/25.0	25/25	71.5/81.5	80/90
DMVT36CU1400BA	0/0	6.5/6.5	15/15	---	---	---	---	---
HKTSN03X1	10.8/12.5	20.0/22.1	20/25	---	---	---	---	---
HKTS*05X1	17.3/20.0	28.1/31.5	30/35	---	---	---	---	---
HKTSN06X1	21.7/25.0	33.6/37.8	35/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	42.6/48.1	45/50	---	---	---	---	---
HKTS*10X1	34.7/40.0	49.9/56.5	50/60	---	---	---	---	---
HKTS*15X3 ^	0/0	6.5/6.5	15/15	30.0/34.6	37.5/43.3	40/45	---	---
HKTS15XA/B	34.7/40.0	49.9/56.5	50/60	17.3/20.0	21.6/25.0	25/25	71.5/81.5	80/90
HKTS19CA/B	34.7/40.0	49.9/56.5	50/60	34.7/40.0	43.4/50.0	45/50	93.2/106	100/110
DMVT42CU1400BA	0/0	6.5/6.5	15/15	---	---	---	---	---
HKTS*05X1	17.3/20.0	28.1/31.5	30/35	---	---	---	---	---
HKTSN06X1	21.7/25.0	33.6/37.8	35/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	42.6/48.1	45/50	---	---	---	---	---
HKTS*10X1	34.7/40.0	49.9/56.5	50/60	---	---	---	---	---
HKTS*15X3 ^	0/0	6.5/6.5	15/15	30.0/34.6	37.5/43.3	40/45	---	---
HKTS15XA/B	34.7/40.0	49.9/56.5	50/60	17.3/20.0	21.6/25.0	25/25	71.5/81.5	80/90
HKTS19CA/B	34.7/40.0	49.9/56.5	50/60	34.7/40.0	43.4/50.0	45/50	93.2/106	100/110
DMVT48CU1400BA	0/0	6.5/6.5	15/15	---	---	---	---	---
HKTS*05X1	17.3/20.0	28.1/31.5	30/35	---	---	---	---	---
HKTSN06X1	21.7/25.0	33.6/37.8	35/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	42.6/48.1	45/50	---	---	---	---	---
HKTS*10X1	34.7/40.0	49.9/56.5	50/60	---	---	---	---	---
HKTS*15X3 ^	0/0	6.5/6.5	15/15	30.0/34.6	37.5/43.3	40/45	---	---
HKTS15XA/B	34.7/40.0	49.9/56.5	50/60	17.3/20.0	21.6/25.0	25/25	71.5/81.5	80/90
HKTS19CA/B	34.7/40.0	49.9/56.5	50/60	34.7/40.0	43.4/50.0	45/50	93.2/106	100/110
DMVT48DU1400BA	0/0	8.6/8.6	15/15	---	---	---	---	---
HKTS*05X1	17.3/20.0	30.2/33.6	35/35	---	---	---	---	---
HKTSN06X1	21.7/25.0	35.8/39.9	40/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	44.8/50.2	45/60	---	---	---	---	---
HKTS*10X1	34.7/40.0	52.0/58.6	60/60	---	---	---	---	---
HKTS*15X3 ^	0/0	8.6/8.6	15/15	30.0/34.6	37.5/43.3	40/45	---	---
HKTS15XA/B	34.7/40.0	52.0/58.6	60/60	17.3/20.0	21.6/25.0	25/25	73.6/83.6	80/90
HKTS*20X3 ^	0/0	8.6/8.6	15/15	37.5/43.3	46.9/54.1	50/60	---	---
HKTS20DA/B	34.7/40.0	52.0/58.6	60/60	34.7/40.0	43.4/50.0	45/50	95.3/109	100/110

See Notes on Page 7.

HEATER KIT MODEL	CIRCUIT 1 (208V/240V)			CIRCUIT 2 (208V/240V)			SINGLE-POINT KIT (208V/240V)	
	HEATER AMPS	MCA ¹	MOP ²	HEATER AMPS	MCA ¹	MOP ²	MCA ¹	MOP ²
DMVT60DU1400BA	0/0	8.6/8.6	15/15	---	---	---	---	---
HKTS*05X1	17.3/20.0	30.2/33.6	35/35	---	---	---	---	---
HKTSN06X1	21.7/25.0	35.8/39.9	40/40	---	---	---	---	---
HKTS*08X1	28.9/33.3	44.8/50.2	45/60	---	---	---	---	---
HKTS*10X1	34.7/40.0	52.0/58.6	60/60	---	---	---	---	---
HKTS*15X3 ^	0/0	8.6/8.6	15/15	30.0/34.6	37.5/43.3	40/45	---	---
HKTSD15XA/B	34.7/40.0	52.0/58.6	60/60	17.3/20.0	21.6/25.0	25/25	73.6/83.6	80/90
HKTS*20X3 ^	0/0	8.6/8.6	15/15	37.5/43.3	46.9/54.1	50/60	---	---
HKTSD20DA/B	34.7/40.0	52.0/58.6	60/60	34.7/40.0	43.4/50.0	45/50	95.3/109	100/110
HKTSD25DA/B	52.0/60.0	73.6/83.6	80/90	34.7/40.0	43.4/50.0	45/50	117/134	125/150

¹ Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25

² Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps

^ Three-phase Heater Kits (Circuit 1: Single-phase for Air Handlers Circuit 2: Three-phase for Heater Kits)

* D - Service disconnect, N - No service disconnect

--- indicates Not Required

Note: The 208 or 240 in the heat kit part number field is for clarification of the nominal voltage for this model.

DOWNFLOW KITS

DFKE-02	DFKE-03
DMVT24BU1400**	DMVT48CU1400**
DMVT30BU1400**	DMVT48DU1400**
DMVT36BU1400**	DMVT60DU1400**
DMVT36CU1400**	
DMVT42CU1400**	

HIGH HUMIDITY KIT

HHK0004	HHK0005	HHK0006	HHK0007
DMVT24BU1400**	DMVT36CU1400**	DMVT48DU1400**	DMVT60DU1400**
DMVT30BU1400**	DMVT42CU1400**		
DMVT36BU1400**	DMVT48CU1400**		

CONDENSATE MANAGEMENT KIT

CMK0018	CMK0019	CMK0020
DMVT24BU1400**	DMVT30BU1400**	DMVT48CU1400**
DMVT36CU1400**	DMVT36BU1400**	DMVT48DU1400**
	DMVT42CU1400**	DMVT60DU1400**

FILTERS

CHASSIS	PART #	SIZE
B	ALFH16201E	16.0" x 20.0"
C	ALFH1912201E	19.5" x 20.0"
D	ALFH20231E	23.0" x 20.0"

SINGLE POINT WIRING KIT (SPW-01)

HEATER KIT MODEL	SPWK-B	SPWK-C	SPWK-D
HKTSD15XA	DMVT24BU1400**	DMVT36CU1400** DMVT42CU1400** DMVT48CU1400**	DMVT48DU1400** DMVT60DU1400**
HKTSD15XB	DMVT30BU1400**		
HKTSD19CA	DMVT36BU1400**		
HKTSD19CB			
HKTSD20DA			DMVT48DU1400** DMVT60DU1400**
HKTSD20DB			
HKTSD25DA			DMVT60DU1400**
HKTSD25DB			

NOTES

Lined area for notes, consisting of multiple horizontal lines.