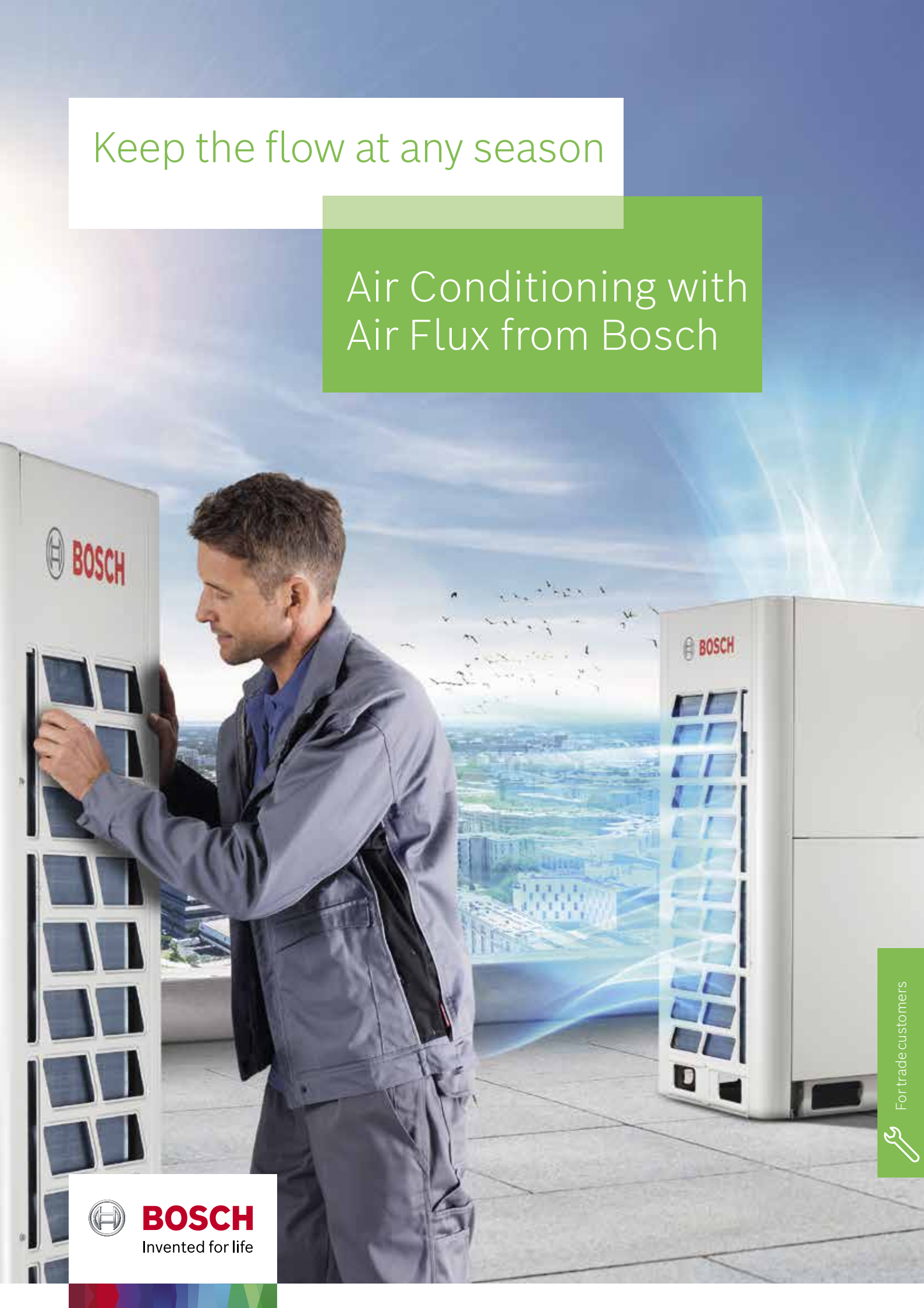
Keep the flow at any season

Air Conditioning with Air Flux from Bosch



For trade customers

BOSCH
Invented for life

Ideal room climate at the touch of a button
Thanks to variable refrigerant flow technology, the new Bosch VRF air conditioning systems are convenient and save valuable energy too. They adapt their performance to current demand and therefore also work with outstanding efficiency under partial load. The systems consist of outdoor units and several inside units and can be utilised for both cooling and heating. These new solutions from Bosch play a decisive role in ensuring that people in all areas of large buildings enjoy a comfortable climate, no matter the season.

Your powerful partner in the world of air conditioning: Bosch

Discover new opportunities: Bosch is now offering not only heating, hot water and ventilation solutions, but also VRF (Variable Refrigerant Flow) systems for efficient air conditioning in commercial buildings. This opens up attractive prospects for you and provides greater benefits from Bosch expertise.

Efficiency from a single provider
If you are looking for an industrial boiler, a combined heat and power system or high-efficiency VRF air conditioning, Bosch has a multitude of solutions to meet your precise needs. But that's not all: Bosch also creates customised package solutions with perfectly harmonised components and technology from one single provider. This means that you can comprehensively exploit all existing efficiency potentials. The result: your energy costs are permanently kept at a low level and you make a sustainable contribution to protecting the environment.

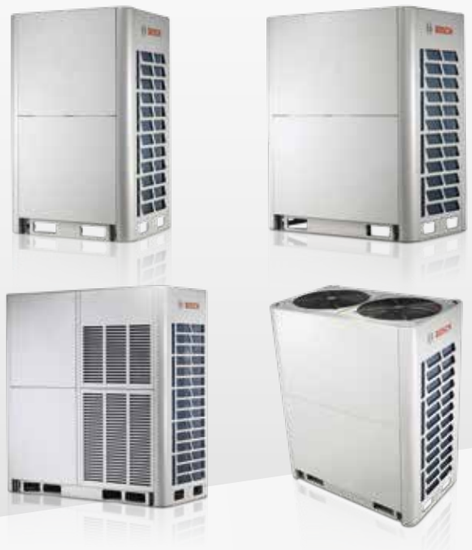
The future: Made by Bosch
Bosch enjoys a worldwide reputation for highest-quality products and services. Global organisation and production standards guarantee uncontested approval and problem-free operation of your large-scale systems from Bosch. Thanks to the enormous importance and long tradition of innovation, you benefit from the unique, pioneering spirit of Bosch engineering and technology. Advanced technology and the high quality of your new VRF system from Bosch ensure long-term fulfilment of its users' expectations.

BOSCH

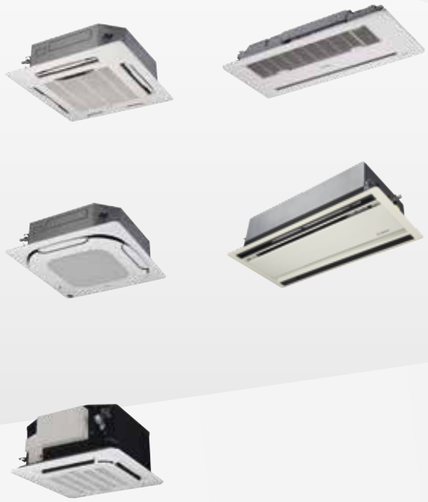
Doing good business with air-conditioning technology is simple

With Air Flux 5300, Bosch is offering you a new, attractive modular system for building air-conditioning systems. It is an extremely flexible system which is capable of meeting any requirements. You can simply and practically meet all of your customers' air-conditioning demands with one solution from a single source.

Outdoor units



Indoor units Cassette series



Indoor units Duct series

Indoor units
High-wall-mounted series

Indoor units Ceiling-mounted and floor-standing units

Air Center Control

Air Room Control

Simply variable: VRF air-conditioning technology for hotels and commercial buildings
As a VRF (Variable Refrigerant Flow) system, the Air Flux 5300 requires very little space, in contrast to a central installation, in which conditioned air is distributed via indoor units directly or with an air duct system where needed. With the Air Flux, only the refrigerant is guided from the outdoor unit to the indoor units via thin pipes. The indoor units then provide air conditioning to the various rooms, as required. The outdoor unit can therefore be used to supply a large number of rooms – while only requiring very little space.

Simply comprehensive: The Air Flux range
The newly developed range of systems provides you with highly efficient outdoor units with an overall capacity output up to 90 kW. If needed, it is possible to combine 3 modules of outdoor units up to 270 kW as one system. Then you can flexibly combine outdoor units, with 13 different types of indoor unit each, offering a wide capacity range. Specially developed, simple and easy-to-use control systems, plus an extensive range of accessories, complete the portfolio.

Simple installation and maintenance: The Air Flux technology
The technical concept is designed to make your work as easy as possible. For example, the installation process is supported by compact unit dimensions. Furthermore, intelligent electronic functions consistently reduce the time that is required for start-up and, later on, for service work.

Simple control: The advantages of a central control system
The central control system makes it extremely easy for your customers to control Air Flux in each individual room. It not only allows you to air-condition rooms individually, but it also offers a high level of operating convenience. Operation is self-explanatory and, thanks to numerous intelligent functions, saves you a lot of time each day.

Simply technology: The Air Flux design
All items in the Air Flux 5300 modular system are harmonised with each other during the design phase. Thanks to their modern look, the units make an impression wherever they are installed; visually stunning to enhance your professional reputation.

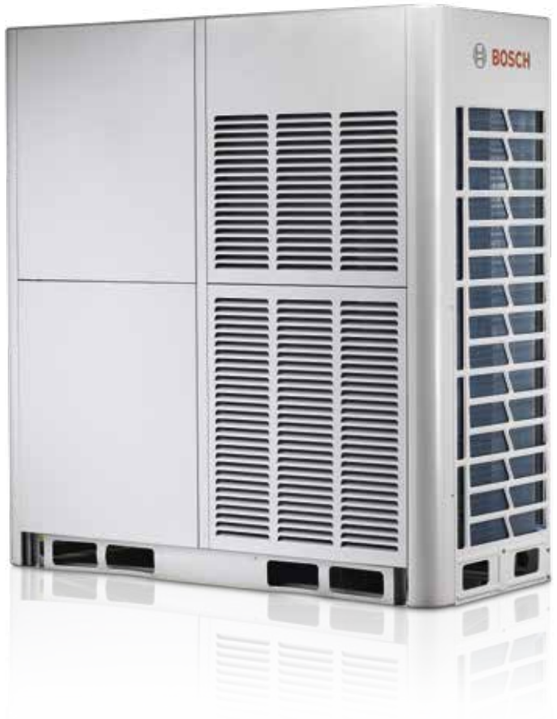
Simple, right from the start: Air Select, the Air Flux planning tool
With Air Select, Bosch has made planning particularly easy for you. The planning software allows you to configure each Air Flux system quickly, reliably and without complications. Operation is self-explanatory – for the minimum amount of work but with maximum benefits. Tool can be accessed via www.bosch-airselect.com where you can register for complete access. There is also a desktop version available for download from the website.

Simply everything from a single source: Your partner – Bosch
With Bosch as your partner, you can benefit from an extensive range of products and services for room climate control, domestic hot water and decentralised energy management. All this, complete with the excellence guaranteed by a globally recognised brand like Bosch. From the technical hotline through to the quick supply of spare parts – you can rely on Bosch.

Air Flux 5300 outdoor units

Provide the perfect climate, with a high level of quality

These efficient air-conditioning units with a new generation of controls make air conditioning simple.



Simply efficient
With Air Flux 5300, Bosch is offering you a range of units for comprehensive air conditioning of buildings. At its core is a scroll compressor with vapour injection. An intelligent energy management system automatically adjusts the temperatures in the refrigeration circuit for maximum comfort and high energy savings.

Simply flexible
Copper piping lengths of up to 1000 m and a height difference of max. 110 m between the indoor and outdoor units offer you a flexible project design and simple installation. The installation process is further simplified by the automatic refrigerant filling, automatic refrigerant charge and simple data check via the control box.

Simply reliable
A large number of automatic checks ensure that it operates reliably on a day-to-day basis. Automatic compressor backups and emergency mode functions provide operating reliability for your cooling demands in your building. Different priority profiles make it easy for you to take into consideration the different requirements in the building.

Highlights
- New development for low investment costs, low space requirement and flexible project design
- 13 outputs of up to 90 kW
- System capacity can be extended up to 270 kW thanks to cascading of up to three units
- Highly efficient with an EER of up to 4.75 and a coefficient of performance of up to 5.50*
- Attractive design

* these figures are valid for AF5300A 25C-3

Simply quiet
Multi silent mode with 11 different options for "night silent mode", "silent mode" and "super silent mode" allows to reduce the sound levels where needed. The new anti-vibration technology, together with soft metal pipes for extracting and injecting at the compressor, allow for a low noise level. This is supported by asymmetrical fans that emit an unchanging tone. When using outdoor units, you can choose between 11 different options, such as night mode. An excellent climate without noise pollution – with Air Flux from Bosch.

Simply plan
Different unit sizes and maximum copper piping length of up to 175 m simplify planning. In addition, Bosch uses the intelligent Air Select planning tool to support you: It is extremely easy to use and helps you determine your optimum system configuration in no time.

Simple project management
You can rely 100 % on Bosch – for project management too. Bosch has a dense network of service outlets and sales partners, who will support you any time you have questions and will ensure that your plans are implemented smoothly.

Simple service
The sophisticated technology reduces the need for service work. This pays off for the end user and improves the availability of the system. Self-cleaning functions for clearing dust and snow extend the service life and reduce maintenance costs. Furthermore, the ease with which you can call up the unit's history helps you complete the service work in a shorter time.

Technical data **AF5300A**

Product Type			AF5300A 25-3	AF5300A 28-3	AF5300A 33-3	AF5300A 40-3	AF5300A 45-3	AF5300A 50-3
Cooling	Rated Cooling Capacity (Prated,c)	kW	25.20	28.00	33.50	40.00	45.00	50.00
	ηs,c (EN 14825:2018)	%	301.00	295.00	285.00	241.00	233.00	269.00
	SEER		7.60	7.45	7.20	6.10	5.90	6.80
Heating	Rated Heating Capacity (Prated,h)	kW	25.20	28.00	33.50	40.00	45.00	50.00
	Design Heating Load (Pdesign,h)	kW	19.40	19.40	19.60	29.30	29.30	39.90
	ηs,h (EN 14825:2018)	%	157.00	157.00	173.40	165.00	165.00	143.00
	SCOP		4.00	4.00	4.41	4.20	4.20	3.65
Data obtained using the following indoor units[1]			2 x AF-DHE 56 + 2 x AF-DHE 71	4 x AF-DHE 71	6 x AF-DHE 56	2 x AF-DHE 56 + 4 x AF-DHE 71	4 x AF-DHE 71 + 2 x AF-DHE 80	4 x AF-DME 56 + 4 x AF-DME 71 P
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity					
	Maximum quantity		13	16	20	23	26	29
Compressor	Type		DC inverter scroll, vapor injection type					
	Quantity		1	1	1	1	1	1
	Start-up method		Soft start	Soft start	Soft start	Soft start	Soft start	Soft start
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor type		DC	DC	DC	DC	DC	DC
	Quantity		1	1	1	1	1	1
	Motor output	kW	0.56	0.56	0.92	0.92	0.92	0.56x2
	Airflow rate	m^3/h	11000	11000	11000	13000	13000	13000
	Drive type		Direct					
Data related to EU F-gas Regulation 517/2014								
Environmental impact			Contains fluorinated greenhouse gases					
Refrigerant type			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Global warming potential (GWP)		$kgCO_2$-eq	2088	2088	2088	2088	2088	2088
Amount of refrigerant		kg	11	11	11	13	13	13
		tCO_2-eq	22.968	22.968	22.968	27.144	27.144	35.496
Pipe connections	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ19.1
	Gas pipe	mm	Φ25.4	Φ25.4	Φ28.6	Φ31.8	Φ31.8	Φ31.8
Sound pressure level[2]		dB(A)	58	58	60	62	65	65
Sound power level		dB(A)	78	78	81	85	88	88
Net dimensions (W×H×D)		mm	990×1635×790	990×1635×790	990×1635×790	1340×1635×850	1340×1635×850	1340×1635×850
Packed dimensions (W×H×D)		mm	1090×1805×860	1090×1805×860	1090×1805×860	1405×1805×910	1405×1805×910	1405×1805×910
Net weight		kg	227	227	227	277	277	295
Gross weight		kg	242	242	242	304	304	322
Ambient temp. operation	Cooling	℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating	℃	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	23 ~ 24

[1] Performance might change using other combinations
[2] Sound pressure level is measured at a position 1m in front of the unit and 1.3 m above the floor in a semi-anechoic chamber.

Product Type			AF5300A 56-3	AF5300A 62-3	AF5300A 67-3	AF5300A 73-3	AF5300A 79-3	AF5300A 85-3	AF5300A 90-3
Cooling	Rated Cooling Capacity (Prated,c)	kW	56.00	61.50	67.00	73.00	78.50	85.00	90.00
	ηs,c (EN 14825:2018)	%	255.00	247.00	270.60	256.60	245.00	239.00	231.80
	SEER		6.45	6.25	6.84	6.49	6.20	6.05	5.87
Heating	Rated Heating Capacity (Prated,h)	kW	56.00	61.50	67.00	73.00	78.50	85.00	90.00
	Design Heating Load (Pdesign,h)	kW	39.90	39.90	43.30	43.30	43.30	45.00	45.00
	ηs,h (EN 14825:2018)	%	143.00	143.00	145.00	145.00	145.00	147.00	147.00
	SCOP		3.65	3.65	3.70	3.70	3.70	3.75	3.75
Data obtained using the following indoor units[1]			8 x AF-DME 71 P	4 x AF-DME 71 P + 4 x AF-DME 80 P	4 x AF-DHE 80 + 4 x AF-DHE 90	8 x AF-DHE 90	8 x AF-DHE 100	4 x AF-DHE 100 + 4 x AF-DHE 112	8 x AF-DHE 112
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity						
	Maximum quantity		33	36	39	43	46	50	53
Compressor	Type		DC inverter scroll, vapor injection type						
	Quantity		2	2	2	2	2	2	2
	Start-up method		Soft start	Soft start	Soft start	Soft start	Soft start	Soft start	Soft start
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor type		DC	DC	DC	DC	DC	DC	DC
	Quantity		2	2	2	2	2	2	2
	Motor output	kW	0.56x2	0.92x2	0.92x2	0.92x2	0.92x2	0.92x2	0.92x2
	Airflow rate	m^3/h	17000	17000	25000	25000	25000	24000	24000
	Drive type		Direct						
Data related to EU F-gas Regulation 517/2014									
Environmental impact			Contains fluorinated greenhouse gases						
Refrigerant type			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Global warming potential (GWP)		$kgCO_2$-eq	2088	2088	2088	2088	2088	2088	2088
Amount of refrigerant		kg	17	17	22	22	22	25	25
		tCO_2-eq	35.496	35.496	45.936	45.936	45.936	52.200	52.200
Pipe connections	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ22.2	Φ22.2
	Gas pipe	mm	Φ31.8	Φ31.8	Φ31.8	Φ31.8	Φ31.8	Φ38.1	Φ38.1
Sound pressure level[2]		dB(A)	66	66	67	68	68	68	68
Sound power level		dB(A)	88	88	89	90	90	90	90
Net dimensions (W×H×D)		mm	1340×1635×825	1340×1635×825	1730×1830×850	1730×1830×850	1730×1830×850	1730×1830×850	1730×1830×850
Packed dimensions (W×H×D)		mm	1405×1805×910	1405×1805×910	1800×2000×910	1800×2000×910	1800×2000×910	1800×2000×910	1800×2000×910
Net weight		kg	344	344	407	429	429	475	475
Gross weight		kg	364	364	430	452	452	507	507
Ambient temp. operation	Cooling	℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating	℃	-23 ~ 24	23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24

Technical data **AF5300A C**

Product Type			AF5300A 25 C-3	AF5300A 28 C-3	AF5300A 33 C-3	AF5300A 40 C-3	AF5300A 45 C-3	AF5300A 50 C-3
Cooling	Rated Cooling Capacity (Prated,c)	kW	25.20	28.00	33.50	40.00	45.00	50.00
	ηs,c (EN 14825:2018)	%	305.00	298.60	288.20	245.8	236.20	271.00
	SEER		7.70	7.54	7.28	6.22	5.98	6.85
Heating	Rated Heating Capacity (Prated,h)	kW	25.20	28.00	33.50	40.00	45.00	50.00
	Design Heating Load (Pdesign,h)	kW	19.40	19.40	19.60	29.30	19.30	39.90
	ηs,h (EN 14825:2018)	%	161.40	161.40	177.40	169.40	169.40	149.00
	SCOP		4.11	4.11	4.51	4.31	4.31	3.80
Data obtained using the following indoor units[1]			2 x AF-DHE 56 + 2 x AF-DHE 71	4 x AF-DHE 71	6 x AF-DHE 56	2 x AF-DHE 56 + 4 x AF-DHE 71	4 x AF-DHE 71 + 2 x AF-DHE 80	4 x AF-DME 56 + 4 x AF-DME 71 P
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity					
	Maximum quantity		13	16	20	23	26	29
Compressor	Type		DC inverter scroll, vapor injection type					
	Quantity		1	1	1	1	1	2
	Start-up method		Soft start	Soft start	Soft start	Soft start	Soft start	Soft start
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor type		DC	DC	DC	DC	DC	DC
	Quantity		1	1	1	1	1	2
	Motor output	kW	0.56	0.56	0.92	0.92	0.92	0.56x2
	Airflow rate	m^3/h	11000	11000	11000	13000	13000	17000
	Drive type		Direct					
Data related to EU F-gas Regulation 517/2014								
Environmental impact			Contains fluorinated greenhouse gases					
Refrigerant type			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Global warming potential (GWP)		$kgCO_2$-eq	2088	2088	2088	2088	2088	2088
Amount of refrigerant		kg	11	11	11	13	13	17
		tCO_2-eq	22.968	22.968	22.968	27.144	27.144	35.496
Pipe connections	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ19.1
	Gas pipe	mm	Φ25.4	Φ25.4	Φ28.6	Φ31.8	Φ31.8	Φ31.8
Sound pressure level[2]		dB(A)	58	58	60	62	65	65
Sound power level		dB(A)	78	78	81	85	88	88
Net dimensions (W×H×D)		mm	990×1635×790	990×1635×790	990×1635×790	1340×1635×850	1340×1635×850	1340×1635×825
Packed dimensions (W×H×D)		mm	1090×1805×860	1090×1805×860	1090×1805×860	1405×1805×910	1405×1805×910	1405×1805×910
Net weight		kg	227	227	227	277	277	348
Gross weight		kg	242	242	242	304	304	368
Ambient temp. operation	Cooling	℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating	℃	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24

[1] Performance might change using other combinations
[2] Sound pressure level is measured at a position 1m in front of the unit and 1.3 m above the floor in a semi-anechoic chamber.

Product Type			AF5300A 56 C-3	AF5300A 62 C-3	AF5300A 67 C-3	AF5300A 73 C-3	AF5300A 79 C-3	AF5300A 85 C-3	AF5300A 90 C-3
Cooling	Rated Cooling Capacity (Prated,c)	kW	56.00	61.50	67.00	73.00	78.50	85.00	90.00
	ηs,c (EN 14825:2018)	%	258.60	251.00	277.00	257.40	245.80	241.00	233.00
	SEER		6.54	6.35	7.00	6.51	6.22	6.10	5.90
Heating	Rated Heating Capacity (Prated,h)	kW	56.00	61.50	67.00	73.00	78.50	85.00	90.00
	Design Heating Load (Pdesign,h)	kW	149.00	39.90	43.30	43.30	43.30	45.00	45.00
	ηs,h (EN 14825:2018)	%	149.00	149.00	151.40	151.40	151.40	150.60	150.60
	SCOP		3.80	3.80	3.86	3.86	3.86	3.84	3.84
Data obtained using the following indoor units[1]			8 x AF-DME 71 P	4 x AF-DME 71 P + 4 x AF-DME 80 P	4 x AF-DHE 80 + 4 x AF-DHE 90	8 x AF-DHE 90	8 x AF-DHE 100	4 x AF-DHE 100 + 4 x AF-DHE 112	8 x AF-DHE 112
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity						
	Maximum quantity		33	36	39	43	46	50	53
Compressor	Type		DC inverter scroll, vapor injection type						
	Quantity		2	2	2	2	2	2	2
	Start-up method		Soft start	Soft start	Soft start	Soft start	Soft start	Soft start	Soft start
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor type		DC	DC	DC	DC	DC	DC	DC
	Quantity		2	2	2	2	2	2	2
	Motor output	kW	0.56x2	0.92x2	0.92x2	0.92x2	0.92x2	0.92x2	0.92x2
	Airflow rate	m^3/h	17000	17000	25000	25000	25000	24000	24000
	Drive type		Direct						
Data related to EU F-gas Regulation 517/2014									
Environmental impact			Contains fluorinated greenhouse gases						
Refrigerant type			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Global warming potential (GWP)		$kgCO_2$-eq	2088	2088	2088	2088	2088	2088	2088
Amount of refrigerant		kg	17	17	22	22	22	25	25
		tCO_2-eq	35.496	35.496	45.936	45.936	45.936	52.200	52.200
Pipe connections	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ22.2	Φ22.2
	Gas pipe	mm	Φ31.8	Φ31.8	Φ31.8	Φ31.8	Φ31.8	Φ38.1	Φ38.1
Sound pressure level[2]		dB(A)	66	66	67	68	68	68	68
Sound power level		dB(A)	88	88	89	90	90	90	90
Net dimensions (W×H×D)		mm	1340×1635×825	1340×1635×825	1730×1830×850	1730×1830×850	1730×1830×850	1730×1830×850	1730×1830×850
Packed dimensions (W×H×D)		mm	1405×1805×910	1405×1805×910	1800×2000×910	1800×2000×910	1800×2000×910	1800×2000×910	1800×2000×910
Net weight		kg	348	348	430	430	430	475	475
Gross weight		kg	368	368	453	453	453	507	507
Ambient temp. operation	Cooling	℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating	℃	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24	-23 ~ 24

Electrical data **AF5300A**

Product Type	Outdoor Unit				Power Current	
	Voltage	Hz	Min. voltage	Max. voltage	MCA	MFA
AF5300A 25-3	380~415	50	342	440	24.0	32
AF5300A 28-3	380~415	50	342	440	25.2	32
AF5300A 33-3	380~415	50	342	440	26.4	32
AF5300A 40-3	380~415	50	342	440	33.1	40
AF5300A 45-3	380~415	50	342	440	33.1	40
AF5300A 50-3	380~415	50	342	440	34.8	40
AF5300A 56-3	380~415	50	342	440	45.9	50
AF5300A 62-3	380~415	50	342	440	47.9	63
AF5300A 67-3	380~415	50	342	440	54.5	63
AF5300A 73-3	380~415	50	342	440	52.9	63
AF5300A 79-3	380~415	50	342	440	58.7	63
AF5300A 85-3	380~415	50	342	440	64.9	80
AF5300A 90-3	380~415	50	342	440	66.9	80

Abbreviations:
MCA: Minimum Circuit Amps
MFA: Maximum Fuse Amps

Electrical data **AF5300A C**

Product Type	Outdoor Unit				Power Current	
	Voltage	Hz	Min. voltage	Max. voltage	MCA	MFA
AF5300A 25 C-3	380~415	50	342	440	24.0	32
AF5300A 28 C-3	380~415	50	342	440	25.2	32
AF5300A 33 C-3	380~415	50	342	440	26.4	32
AF5300A 40 C-3	380~415	50	342	440	33.1	40
AF5300A 45 C-3	380~415	50	342	440	33.1	40
AF5300A 50 C-3	380~415	50	342	440	40.8	50
AF5300A 56 C-3	380~415	50	342	440	43.9	50
AF5300A 62 C-3	380~415	50	342	440	47.9	63
AF5300A 67 C-3	380~415	50	342	440	48.4	63
AF5300A 73 C-3	380~415	50	342	440	52.9	63
AF5300A 79 C-3	380~415	50	342	440	58.7	63
AF5300A 85 C-3	380~415	50	342	440	64.9	80
AF5300A 90 C-3	380~415	50	342	440	66.9	80

Abbreviations:
MCA: Minimum Circuit Amps
MFA: Maximum Fuse Amps

Air Flux 5300 indoor units: *High-Wall Series*

Easily installed on any wall

The attractive design means that the high quality of Bosch is easily recognisable.

Highlights
- Can be effortlessly combined with all indoor units
- Control panel with LED display
- Stylish panel design

AF-W – basic unit
- Attractive design
- Auto swing function for automatically adjusting the discharge profile to the current operating stage
- Simple installation, simple service
- Easily connected to the duct system using the copper pipe connection; from the left, right or from behind.

AF-W	17	22	28	36	45	56	71	80	90
Rated Cooling Capacity (kW)	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0
Rated Heating Capacity (kW)	2.2	2.4	3.2	4.0	5.0	6.3	8.0	9.0	10.0

Air Flux 5300 indoor units: *Cassette series*

Simply perfect on any ceiling

Large selection, attractive and compact design: Our cassette series units make things simple for you.

Highlights
- Seven-stage direct-current fan
- Drainage pump already integrated
- Available with a fresh-air connection as an option
- LED display

AF-1C

1C – blow out on one side
- Compact ultra-slim design
- Ideal for narrow ceilings
- Auto swing function for automatically adjusting the flaps
- Low noise level

AF-1C	18	22	28	36	45	56	71
Rated Cooling Capacity (kW)	1.8	2.2	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity (kW)	2.2	2.6	3.2	4.0	5.0	6.3	8.0

AF-2C

2C – blow-out on two sides
- Compact design
- Low noise level
- High air flow

AF-2C	22	28	36	45	56	71
Rated Cooling Capacity (kW)	2.2	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity (kW)	2.6	3.2	4.0	5.0	6.3	8.0

AF-4C

4C – blow-out on four sides
- Unique panel (honeycomb) design
- Slim design
- Advanced 3D spiral fan design, high performance

AF-4C	28	36	45	56	71	80	90	100	112	140
Rated Cooling Capacity (kW)	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	14.0
Rated Heating Capacity (kW)	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	14.0

AF-4CC

4CC – blow-out on four sides, compact version
- Unique panel (honeycomb) design
- Adapt easily to 60 x 60 false ceiling
- Entire range available in slim design

AF-4CC	17	22	28	36	45	52
Rated Cooling Capacity (kW)	1.7	2.2	2.8	3.6	4.5	5.2
Rated Heating Capacity (kW)	2.2	2.4	3.2	4.0	5.0	5.6

AF-4CR

4CR – blow-out on all sides
- Even air distribution
- 360° air flow
- Slim design
- Advanced 3D spiral fan design
- High performance
- LED display on panel

AF-4CR	28	36	45	56	71	80	90	100	112	140
Rated Cooling Capacity (kW)	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	14.0
Rated Heating Capacity (kW)	3.2	4.0	5.0	6.3	8.0	9.0	10.0	11.1	12.5	15.0

AF-4CE

4CE – blow-out on four sides
- Unique panel (honeycomb) design
- Advanced 3D spiral fan design, high performance

AF-4CE	56	71	80	90	100	112
Rated Cooling Capacity (kW)	5.6	7.1	8.0	9.0	10.0	11.2
Rated Heating Capacity (kW)	6.3	8.0	9.0	10.0	11.1	12.5

Air Flux 5300 indoor units: *Duct series*

High quality that effortlessly complements the architecture

With these duct series units, you can guarantee an excellent climate with ease – and almost invisibly.

AF-DL

DL – for low external static pressure

- External static pressure of up to 50 Pa
- Compact design
- Simple installation, simple service
- Flexible regulation and control
- Adjustment of the external static pressure over six control levels
- Extract air inlet on the rear or underside

AF-DL	17	22	28	36	45	56	71
Rated Cooling Capacity (kW)	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity (kW)	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Max. ESP (Pa)Fact. default setting at PCB is 10	0-10-30-50						

AF-DM

DM – for medium external static pressure

- For external static pressure of up to 150 Pa
- Compact design
- Simple installation, simple service
- Flexible regulation and control
- Adjustment of the external static pressure over ten control levels
- Extract air inlet on the rear or underside

AF-DM	80	90	112	140
Rated Cooling Capacity (kW)	8.0	9.0	11.2	14.0
Rated Heating Capacity (kW)	9.0	10.0	12.5	15.5
Max. ESP (Pa) Fact. default setting at PCB is 20 (40 for AF-DM 140 P)	20-40-70-100		40-70-100-150	

Highlights

- Can be effortlessly combined with all indoor units
- Seven-stage direct-current fan
- Wide range of control options for external static pressure
- Drainage pump already integrated (AF-DL/DM)
- Air-filter included (Class G1)
- Auto restart function

AF-DH

AF-DH 71 – 112

AF-DH 140 – 160

AF-DH 200 – 280

DH – for high external static pressure

- For external static pressure of up to 250 Pa
- Simple installation, simple service
- Flexible regulation and control
- Adjustment of the external static pressure over eight control levels

AF-DH	71	80	90	112	140	160	200	250	280
Rated Cooling Capacity (kW)	7.1	8.0	9.0	11.2	14.0	16.0	20.0	25.0	28.0
Rated Heating Capacity (kW)	8.0	9.0	10.0	12.5	16.0	17.0	22.5	26.0	31.5
Max. ESP (Pa) Fact. default setting at PCB is 100 (170 for models 200-280)	50-100-170-200						100-170-200-250		

AF-DME

DME - for medium external static pressure

- For external static pressure of up to 50 Pa
- Simple installation, simple service
- Flexible regulation and control
- Adjustment of the external static pressure over six control levels

AF-DME	56	71	80	90	100	112
Rated Cooling Capacity (kW)	5.6	7.1	8.0	9.0	10.0	11.2
Rated Heating Capacity (kW)	6.3	8.0	9.0	10.0	11.1	12.5
Max. ESP (Pa)	0-25-50			0-37-50		

AF-DHE

DHE - for high external static pressure

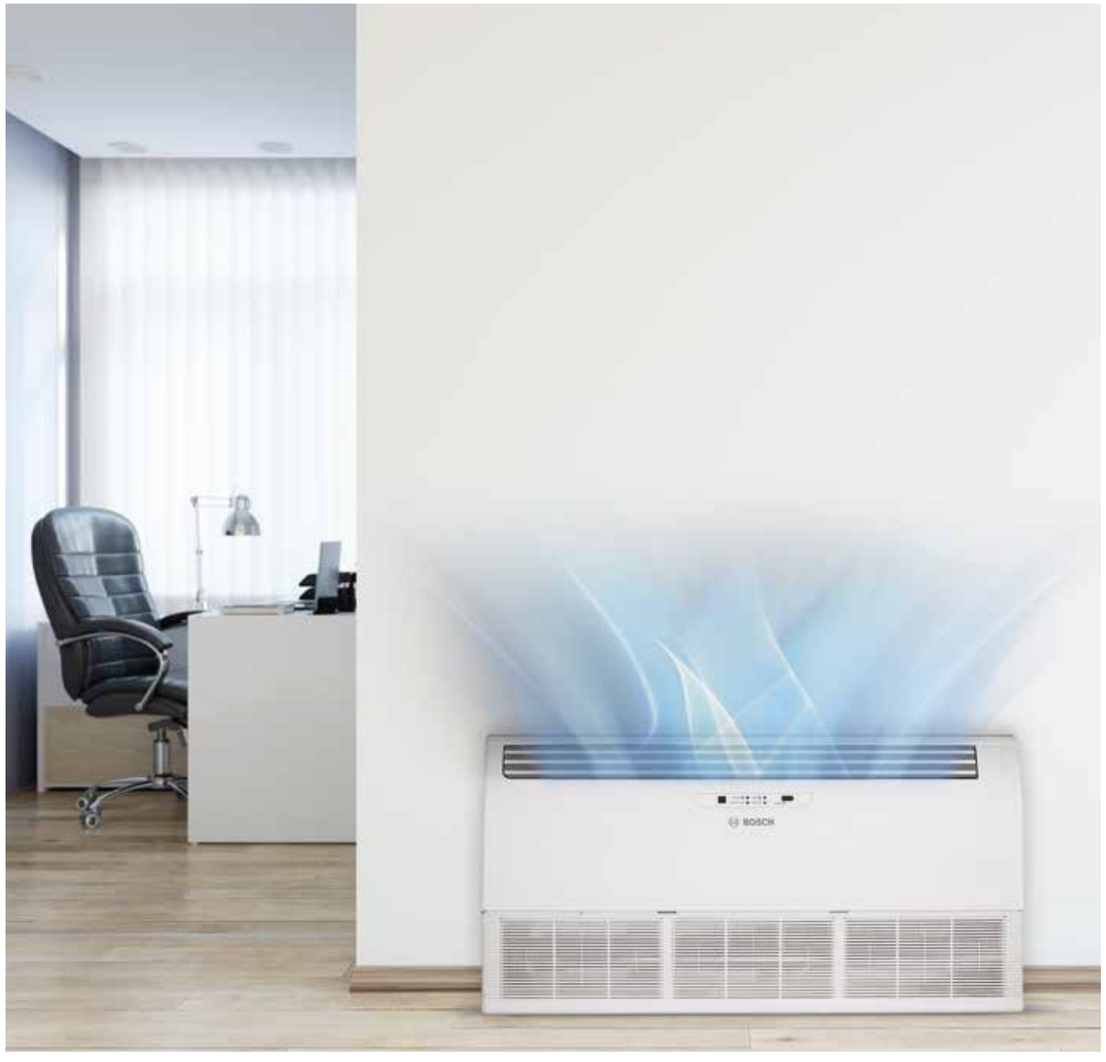
- For external static pressure of up to 100 Pa
- Simple installation, simple service
- Flexible regulation and control
- Adjustment of the external static pressure over six control levels

AF-DHE	56	71	80	90	100	112
Rated Cooling Capacity (kW)	5.6	7.1	8.0	9.0	10.0	11.2
Rated Heating Capacity (kW)	6.3	8.0	9.0	10.0	11.1	12.5
Max. ESP (Pa)	0-25-100			20-37-100		

Air Flux 5300 indoor units: *Ceiling-floor Series*

Whether on the floor or on the ceiling – simply fantastic

Simply meeting high demands – our built-in and ceiling-mounted units support you.



Highlights
- Seven-stage direct-current fan
- Integrated electronic expansion valve
- LED display
- Auto restart function

AF-CF

CF – for ceilings and floors
- Simple to install on the ceiling or on the floor
- Auto swing function for automatically adjusting the flaps
- Particularly wide angle of air flow

AF-CF 36 – 90

AF-CF 112-140

AF-CF	36	45	56	71	80	90	112	140
Rated Cooling Capacity (kW)	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0
Rated Heating Capacity (kW)	4.0	5.0	6.3	8.0	9.0	10.0	12.5	15.0

AF-F

F – without housing
- Slim design with depth of 212 mm and height of 545 mm
- Extract air inlet on the underside

AF-F	22	28	36	45	56	71	80
Rated Cooling Capacity (kW)	2.2	2.8	3.6	4.5	5.6	7.1	8.0
Rated Heating Capacity (kW)	2.4	3.2	4.0	5.0	6.3	8.0	9.0

AF-FC

FC – with housing
- Slim design with depth of 220 mm and height of 677 mm
- Extract air inlet on the underside

AF-FC	22	28	36	45	56	71	80
Rated Cooling Capacity (kW)	2.2	2.8	3.6	4.5	5.6	7.1	8.0
Rated Heating Capacity (kW)	2.4	3.2	4.0	5.0	6.3	8.0	9.0

Air Center Control for Air Flux
Intelligent management of air conditioning systems

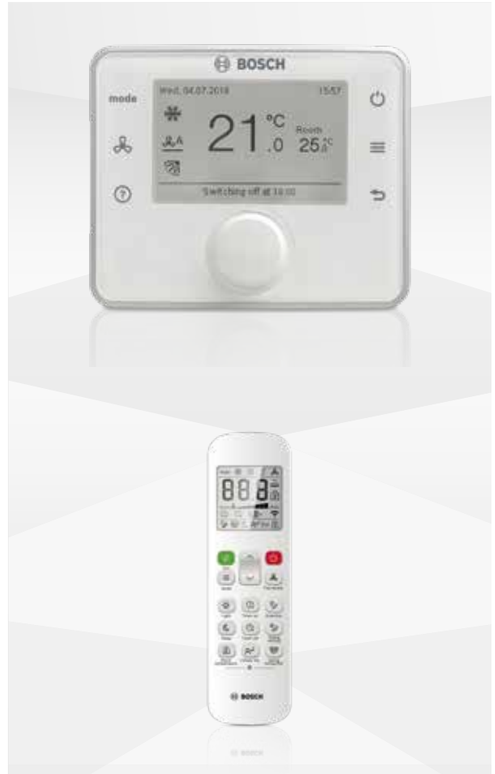
The new central control guarantees comfort and reliability when handling the Air Flux hardware and software developed by Bosch.

ACC MT – Air Center Control with touch display
- Modern 10.1" touch display
- Software from Bosch for a high level of operational safety and reliability
- Clear user interface
- Simple updates via the Internet
- Simple management of building plans
- Power over Ethernet function for supplying power to the control via the Ethernet
- Automatic e-mail notifications
- Integrated web browser for simple networking with a computer
- Group editor for quickly finding and easily controlling indoor units
- Convenient management of schedules
- Icons for quickly identifying outdoor and indoor units
- Easy access to the menus via the dashboard

Highlights
- Hardware and software developed by Bosch
- Attractive design
- Self-explanatory operation
- Web access
- Power over Ethernet technology

Air Room Control for Air Flux
Simply perfect air conditioning for every room

As our room controls are developed in-house, every indoor unit can be easily controlled by software developed by Bosch.



ARC C – wired room control
- 7-step fan speed
- Twin-control function for simplified operation
- Follow-me function for precise temperature controlling
- Clock and date function for conveniently creating time schedules
- Turbo Heat and Turbo Cool function for quick heating and cooling
- Away mode/Setback function for setting comfortable room conditions irrespective of whether the room is occupied
- Schedule function for effortlessly setting multiple different weekly schedules
- Integrated rotary knob for simple operation

ARC H – wired room control for hotels
- 7-step fan speed
- Easy usage
- Context-sensitive help function
- Clear-text information line, context sensitive
- Integrated Dry Contact
- Wall Socket Lock
- Night-silent function for particularly low-noise operation

ARC C IR – room control with infrared remote control
- Function for switching off the LED light on indoor units
- Daily timer function for easily setting daily programmes
- Background light for effortless operation, even when it is dark
- Precise temperature setting in 0.5 degree increments

Highlights
- Software developed by Bosch
- 7 Step Speed Fan Speed
- Integrated help function
- Monitor system parameters
- Easily addressable

BMS Solutions for Air Flux

ACC BAC

BACnet Gateway

- The ACC BAC Gateway allows Bosch AF series to be monitored and controlled with BMS technology and combine with other equipment using BACnet platform such as fire detection and lighting systems.
- Contains 4 groups of RS485 communication ports and can connect up to 256 Indoor units to the BMS
- Built-in web server function
- Each port can connect to XYE ports of the outdoor units

ACC LON

LonWorks Gateway

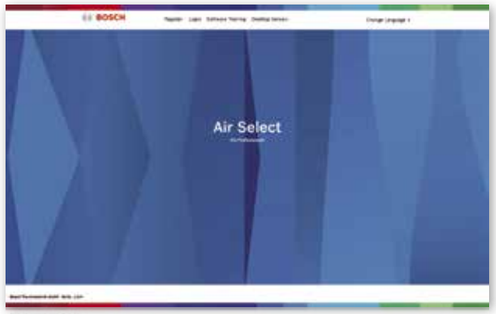
- The ACC LON Gateway allows Bosch AF series to be monitored and controlled with BMS technology and combine with other equipments using LonWorks platform such as security, fire safety and lighting systems
- Can connect up to 64 Indoor units to BMS
- Built-in web server function

ACC MOD

Modbus Gateway

- The ACC MOD Gateway connects Bosch AF series to BMS systems built on the Modbus communication protocol
- Connect up to 64 indoor units
- Built-in web server function

Professional Planning with Air Select
User-friendly planning tool



- Web-based planning software developed by Bosch.
- System planning with all indoor and outdoor units, including controls
- User-friendly
- **http://www.bosch-airselect.com/**

Solutions For Large Capacity Requirement in One System
AF5300A C Recommended Outdoor Unit Combination Table

System capacity		Number of units											Outdoor branch joint kit[2]
kW	HP		12	14	16	18	20	22	24	26	28	30	32	
95.0	34	2	●					●						AF-BJO 02
101.5	36	2		●				●						
106.5	38	2			●			●						
112.0	40	2	●								●			
117.5	42	2					●	●						
123.0	44	2						●●						
128.5	46	2						●	●					
134.5	48	2						●		●				
140.0	50	2						●			●			
146.0	52	2								●●				
151.5	54	2								●	●			
157.0	56	2									●●			
163.5	58	2									●	●		
168.5	60	2									●		●	
175.0	62	2										●	●	
180.0	64	2											●●	
185.0	66	3	●					●					●	AF-BJO 03
191.5	68	3		●				●					●	
196.5	70	3			●			●					●	
202.0	72	3	●								●		●	
207.5	74	3					●	●					●	
213.0	76	3						●●					●	
218.5	78	3						●	●				●	
224.5	80	3						●		●			●	
230.0	82	3						●			●		●	
236.0	84	3								●●			●	
241.5	86	3								●	●		●	
247.0	88	3									●●		●	
253.5	90	3									●	●	●	
258.5	92	3									●		●●	
265.0	94	3										●	●●	
270.0	96	3											●●●	

[1] The combinations of units shown in the table are factory-recommended. Other combinations of units are also possible.
[2] For systems with two or more outdoor units, outdoor branch joints (sold separately) are required.

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EUROVENT CERTIFIED PERFORMANCE
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