



AHU Plus Dx Air Handling Units

AHU Plus DX - TH: DX Air Handling Unit with 100% Fresh Air **AHU Plus DX - IGK:** DX Air Handling Unit with 100% Fresh Air & Heat Recovery **AHU Plus DX - KH:** DX Air Handling Unit with Mixture Air

Structure of the Cell Construction

DX air handling unit consists of a combination of necessary module cells according to requirement. Casing of modul cells of our DX air handling units are manufactured from natural anodized aluminum profile and plastic corner elements. Thickness of cell panel is 42 mm or 50 mm, outer wall is electrostatic powder coated and inner wall is manufactured from galvanized sheet. AHU Plus DX air handling units are indispensable for central ventilation and local air conditioning applications due to its high efficient and energy saving 70 kg/ m³ dense rock wool filled panels, modern casing structure, static and dynamic balance adjustment, silent, efficient plug-in fans. The electric motors are 380V-50Hz as the standard. High efficiency plug fans with AC motor are also used as per customer request. All double-walled panels are mounted to the aluminum casing with special torch tip M6 bolts. As standard, the service and inspection covers were manufactured by using the air-conditioning unit lock with spaceless rigid hinge, having compression feature so that it will

DX Coil

DX coil is the process of cooling the air by transferring the heat taken from the air passing through the evaporator to refrigerant with the help of compressor. To simply describe the system, a direct expansion cooling coil is adapted to an air handling unit and required number of VRF outdoor needed by this coil is connected. While performing this operation, the refrigerant is evaporated at the source (AHU) where the heat will be transferred. During the heat transfer by conventional cooling groups (chiller / hot water boiler), heat is transferred to water first and then the heat transfer is done inside the AHU via pipes and pumps. AHU with DX coil provides air conditioning in the place without need for traditional cooling groups and together with heatpump operation feature, hot water boilers.

not permit air leakage, and which does not form protrusions in the cell, and the covers have a dooble-wallrigid structure so that the covers do not rub against frames. Under the cells, there are full-length frame feet with 180 mm height made of 3 mm galvanized sheet. There are eyebolts for crane transport and blade slots for forklift transport on the corners of the frame feet. All the automation holes required on DX air handling units are drilled during the production phase (differential pressure switch, NTC temperature sensor, freeze thermostat, etc.). The motor leads were taken into the switch box outside the cell. According to customer request, all automation can be placed on the panel and the device can be delivered after all settings can be made. The cell merging elements are manufactured from an aluminum alloy material. The internal illumination lamp and sight glass are located in the aspirator, ventilator and filter cells of the air handling unit. Thanks to these accessories, it is possible to control insides of the cells without deactivating the system.

Usage Features

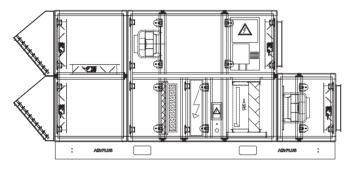
The basic characteristics required in DX Air Handling Units include doing air conditioning by highly productive operating with minimal energy, air tightness, thermal bridges' having a construction that will minimize the heat dissipation, dynamic forces' not causing vibration. Selection of DX series air handling units is made giving the first priority to the low running costs and efficiency. In order to support these priorities, energysaving fans, efficient heat recovery heat exchangers and coils, and the internal structure of the air handling unit that provides air flow at an optimum level are used in our products. With our automation systems, it is possible to increase this efficiency to higher levels.



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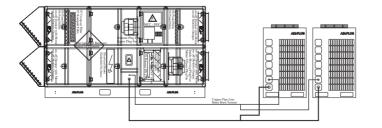






Advantages of DX Air Handling Unit

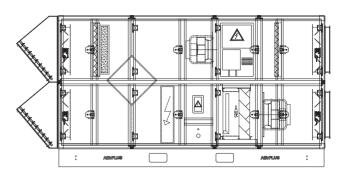
- Energy losses in the refrigerant pipes are much less.
- It is an advantageous system with COP values in terms of both operation and investment costs, it offers new, easy and fast solutions to small and medium sized facilities through a single investment.
- Heating and cooling can be performed by a single VRF outdoor unit; heating, cooling and operating costs are decreased.
- It provides optimum control with the compressors having variable capacity (inverter technology) and the fans it used, thus consumes power just as required thanks to the local control.



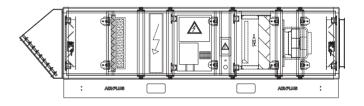
All the automation scenarios are built as suitable for and synchronized with the "Heat Pump Outdoor Unit" system.

AHU Plus DX - IGK

DX Air Handling Unit with 100% Fresh Air & Heat Recovery



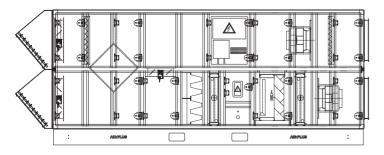
AHU Plus DX - TH DX Air Handling Unit with 100% Fresh Air



- Ability to give quick response to the partial loads.
- Saving large areas we have to reserve for the water cooling group and the boiler.
- Possibility to take it into regime in a very short time.
- Unlike the traditional AHU system water coil there is no freezing risks in this system.
- Maintenance costs are much lower than the traditional systems.
- Low noise level.
- The static charge added by the water amount circulating inside the steel piping, pump, and tubing found in the system with the conventional chiller and the hot water boiler is lower in this system.
- The advantage of not requiring enclosed space thanks to the conformity to the outdoor conditions.
- Longer lasting compared to the conventional devices.

Advantages of AHU Plus Dx Air Handling Units

- DX air handling units are manufactured in the range of 1.800 to
 25.000 m³/h air flow, and 14-250 kW cooling capacity.
- Saves energy through high efficiency heat recovery rotor or plate recuperator.
- DX Air Handling Units have a panel structure with 42 mm or 50 mm thick rock wool insulation (70kg/m³).
- All the safety and warning signs, and capacity information labels are available on the Air Handling Unit. (The warning marks should be indelible so that they will not be affected by hot, cold, and UV radiation of the sun.)
- The fans are suitable for control by frequency inverter, and have the feature of PLUG being directly coupled to the motor shaft. The plug fans with AC motor are also used as per customer request. (The productivity of the plug fans with AC motors is 92%, and fan application with EC motor is recommended).
- The fan motor powers are selected by considering the dirty filter pressures.
- There are internal MCC (Magnetic Control Center) and DDC (Direct Digital Control) panels having approved protection class on the Air Handling Unit.
- Apart from MCC & DDC panel, there is the "urgent safety" pushbutton.
- There is a compact switch, which disconnects it from the mains during the urgent intervention to the device.
- In DX Air handling unit; EEV (electronic expansion valve) and temperature sensors have been installed in the device and protected from outdoor air conditions in the production stage.
- When it comes to the defrost process of the VRF unit, which is connected to the air handling unit, the control system belonging to the air handling unit enters standby mode without alarming.
- DX Coils have been selected as having the feature to be able to work as cooling (evaporator) in summer, and heating (condenser) in winter.
- In DX Air Handling Unit; sight glass and siphon accessories are deliverable by us.



- The start-up (mechanical installation, required terminal connections, setting the parameters) operations of DX air handling unit and VRF outdoor unit are carried out by our company. Start-up and basic maintenance trainings are available as well.
- Optionally, the frequency inverter is employed for the fan with AC motor.
- The plug fans can control the air flow rate by calculating the pressure difference with the internal inverter.
- It is made sure that the air flow rate passing above DX coil is kept stable by the controller through the frequency inverter. Example; pressure changes (Filter impurity))
- Optionally, the controller with microprocessor in the DDC panel has the capability to communicate with at least one communication protocol (e.g.: ModBUS RTU).
- Optionally, the microprocessor controller is programmed with a software suitable for the operating logic of DX systems. The critical operating scenarios having mutual alarm controls (Hot Start, Defrost Time, Defrost Cycle etc.) are included in the software of the DX air handling unit automation. By this means, maximum system safety measures are taken.
- Optionally, all the site sensing and control equipment are installed on DX air handling unit. (E.g.: Damper motors, differential pressure sensors, temperature and humidity sensors, CO2 or CO/VOC sensors, 3-way valve bodies, proportional valve actuators, freezing securities, etc.)
- In DX Air Handling Unit, intra-cellular lighting can also be given optionally.





Outdoor Units and Features Thereof

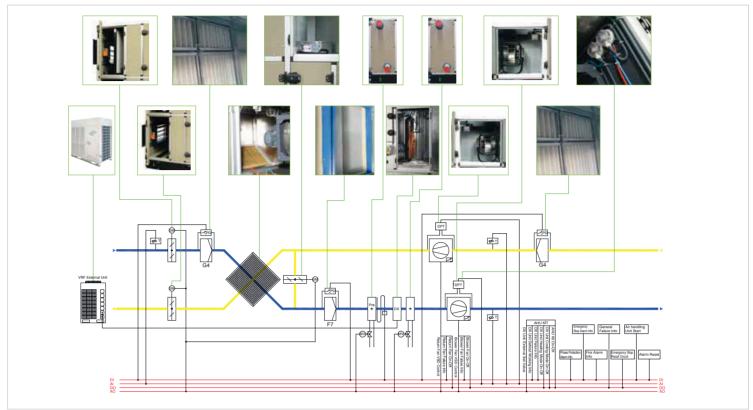




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AIR+PLUS

► DX Air Handling Unit Flow Diagram

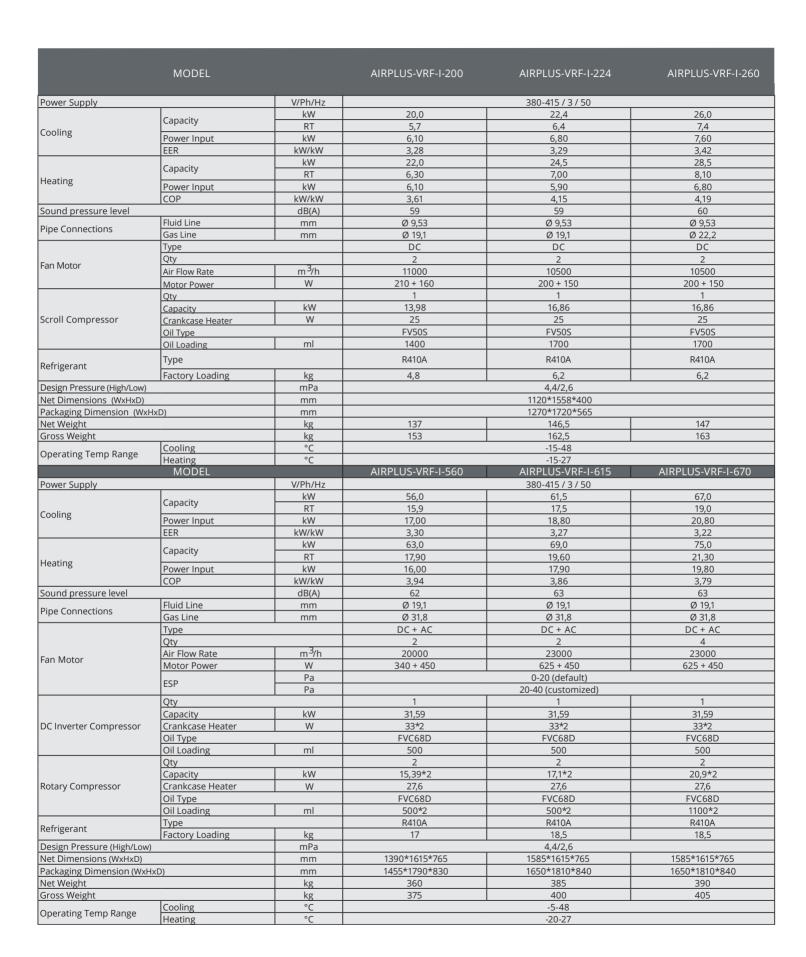


Outdoor Units and Features Thereof

	MODEL		AIRPLUS - VRF - 140	AIRPLUS - VRF - 160	
Power Supply		V/Ph/Hz	220-240 / 1 / 50 // 380-415 / 3 / 50		
Cooling	Capacity	kW	14,0	15,5	
		RT	3,9	4,3	
	Power Input	kW	3,95	4,52	
	EER	kW/kW	3,54	3,43	
Heating	Capacity	kW	15,4	17,0	
		RT	4,30	4,80	
	Power Input	kW	4,16	4,77	
	COP	kW/kW	3,70	3,56	
Sound pressure level		dB(A)	57	57	
Ding Connections	Fluid Line	mm	Ø 9,53	Ø 9,53	
Pipe Connections	Gas Line	mm	Ø 15,9	Ø 19,1	
Fan Motor	Туре		DC	DC	
	Qty		2	2	
	Air Flow Rate	m³/h	6000	6000	
	Motor Power	W	85*2	85*2	
Rotary Compressor	Qty		1	1	
	Capacity	kW	10	14	
	Crankcase Heater	W	25	25	
	Oil Type		FV50S	FV50S	
	Oil Loading	ml	870 + 630	1400 + 250	
Refrigerant	Туре		R410A	R410A	
	Factory Loading	kg	3,9	3,9	
Design Pressure (High/Low)		mPa	4,4/2,6		
Net Dimensions (WxHxD)		mm	900*1327*400		
Packaging Dimension (WxHx	:D)	mm	1030*1456*435		
Net Weight		kg	95	102	
Gross Weight		kg	106	113	
Operating Temp Paper	Cooling	°C	-15-48		
Operating Temp Range	Heating	°C	-15-27		

Outdoor Units and Features Thereof

	MODEL		AIRPLUS-VRF-252	AIRPLUS-VRF-280	AIRPLUS-VRF-335
Power Supply		V/Ph/Hz		380-415 / 3 / 50	
	Capacity	kW	25,2	28,0	33,5
ooling		RT	7,2	8,0	9,5
0	Power Input	kW kW/kW	5,88	7,20	9,05
	EER	kW	4,29 27,0	<u>3,89</u> 31,5	<u> </u>
	Capacity	RT	7,70	9,00	10,70
eating	Power Input	kW	6,15	7,61	8,99
	COP	kW/kW	4,39	4,14	4,17
ound pressure level		dB(A)	57	57	59
•	Fluid Line	mm	Ø 9,53	Ø 9,53	Ø 12,7
ipe Connections	Gas Line	mm	Ø 22,2	Ø 22,2	Ø 25,4
	Oil Line	mm	Ø 6	Ø 6	Ø 6
Fan Motor	Туре		DC	DC	DC + AC
	Qty		1	1	1 + 1
	Air Flow Rate	m ³ /h	11500	11500	15100
	Motor Power	W	750	750	560 + 380
	ESP	Pa	0-20 (default)	0-20 (default)	0-20 (default)
	0.5	Pa	20-40 (customized)	20-40 (customized) 1	20-60 (customized)
DC Inverter Compressor	Qty	100/	1	-	1 11 00
	Capacity Crankcase Heater	kW	31,59 27,6*2	<u>31,59</u> 27,6*2	<u>11,80</u> 27,6*2
	Oil Type	VV	27,6*2 FVC68D		27,6*2 FVC68D
	Oil Loading	ml	500	500	500
	Qty		-	-	1
	Capacity	kW	-		17,1
croll Compressor	Crankcase Heater	W	-	-	27,6
	Oil Type		-	-	FVC68D
	Oil Loading	ml	-	-	500
c	Туре		R410A	R410A	R410A
efrigerant	Factory Loading	kg	9	9	11
esign Pressure (High/Low)		mPa	4,4/2,6	4,4/2,6	4,4/2,6
et Dimensions (WxHxD)		mm	960*1615*765	960*1615*765	1250*1615*765
ackaging Dimension (WxH	xD)	mm	1025*1790*830	1025*1790*830	1305*1790*820
et Weight		kg	198	198	268
ross Weight		kg	213	213	288
perating Temp Range	Cooling	°C		-5-48	
p	Heating	°C		-20-27	
	MODEL		AIRPLUS-VRF-400	AIRPLUS-VRF-450	AIRPLUS-VRF-500
auror Cummlur					
ower Supply		V/Ph/Hz	40.0	380-415 / 3 / 50	50.0
ower Supply	Capacity	kW	40,0	45,0	50,0
		kW RT	11,4	45,0 12,8	14,2
	Power Input	kW RT kW	11,4 12,31	45,0 12,8 14,02	14,2 15,20
ower Supply ooling		kW RT kW kW/kW	11,4 12,31 3,25	45,0 12,8 14,02 3,21	14,2 15,20 3,29
ooling	Power Input	kW RT kW kW/kW kW	11,4 12,31 3,25 45,0	45,0 12,8 14,02 3,21 50,0	14,2 15,20 3,29 56,0
ooling	Power Input EER Capacity	kW RT kW kW/kW kW RT	11,4 12,31 3,25 45,0 12,80	45,0 12,8 14,02 3,21 50,0 14,20	14,2 15,20 3,29 56,0 15,90
ooling	Power Input EER Capacity Power Input	kW RT kW kW/kW kW RT kW kW	11,4 12,31 3,25 45,0 12,80 11,19	45,0 12,8 14,02 3,21 50,0 14,20 12,79	14,2 15,20 3,29 56,0 15,90 14,25
eating	Power Input EER Capacity	kW RT kW kW/kW kW RT	11,4 12,31 3,25 45,0 12,80	45,0 12,8 14,02 3,21 50,0 14,20	14,2 15,20 3,29 56,0 15,90
eating	Power Input EER Capacity Power Input	kW RT kW/kW kW/kW RT kW kW	11,4 12,31 3,25 45,0 12,80 11,19 4,02	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91	14,2 15,20 3,29 56,0 15,90 14,25 3,93
eating	Power Input EER Capacity Power Input COP	kW RT kW kW/kW RT kW kW dB(A)	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61
eating	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line	kW RT kW kW/kW RT kW RT kW dB(A) mm	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6
ooling eating ound pressure level	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type	kW RT kW kW/kW RT kW RT kW dB(A) mm mm	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC
eating	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty	kW RT kW/kW kW/kW RT kW gamma mm mm mm	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1
eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Oil Line Type Qty Air Flow Rate	kW RT kW/kW kW/kW RT kW gamma mm	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200
ooling eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty	kW RT kW kW/kW kW RT kW dB(A) mm mm mm mm mm W	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380
eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power	kW RT kW kW/kW kW RT kW dB(A) mm mm mm mm mm W V Pa	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default)	45,0 12,8 14,02 3,21 50,0 14,20 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default)	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default)
eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP	kW RT kW kW/kW kW RT kW dB(A) mm mm mm mm mm W	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized)	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized)	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized)
eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty	kW RT kW/kW kW/kW RT kW RT kW mm mm mm mm mm Pa Pa	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1
pooling eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity	kW RT kW/kW kW/kW RT kW RT kW mm mm mm mm mm Pa Pa kW	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80
pooling eating pund pressure level pe Connections n Motor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater	kW RT kW/kW kW/kW RT kW RT kW mm mm mm mm mm Pa Pa	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2
pooling eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater Oil Type	kW RT kW/kW kW/kW RT kW RT kW mm kW kW kW W Pa kW W	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D
pooling eating pund pressure level pe Connections n Motor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater Oil Type Oil Loading	kW RT kW/kW kW/kW RT kW RT kW mm mm mm mm mm Pa Pa kW	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6 ⁴ 2 FVC68D 500	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500
pooling eating pund pressure level pe Connections	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater Oil Loading Qty	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW RT kW RT mm mm mm mm mm Pa Pa Pa KW W ml	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1
pooling eating pund pressure level pe Connections in Motor C Inverter Compressor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Type Oil Loading Qty Capacity	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW RT kW B(A) mm mm mm mm Pa Pa RXW W ml kW kW	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9
pooling eating pund pressure level pe Connections in Motor C Inverter Compressor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Capacity Crankcase Heater	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW RT kW RT mm mm mm mm mm Pa Pa Pa KW W ml	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 1 13,39 27,6	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6
pooling eating pund pressure level pe Connections in Motor C Inverter Compressor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater Oil Loading Qty Capacity Crankcase Heater Oil Type Oty Capacity Crankcase Heater Oil Joading Oty Capacity Crankcase Heater Oil Type Oil Type	kW RT kW/kW kW/kW RT kW RT kW RT kW mm kW W ml kW W	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 1 13,39 27,6 FVC68D	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D
eating eating pund pressure level pe Connections an Motor C Inverter Compressor croll Compressor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater Oil Loading Qty Capacity Crankcase Heater Oil Loading Qty Capacity Crankcase Heater Oil Loading Oty Oil Loading Oil Loading Oil Loading	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW RT kW B(A) mm mm mm mm Pa Pa RXW W ml kW kW	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D 500
eating eating pund pressure level pe Connections an Motor C Inverter Compressor croll Compressor	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Capacity Crankcase Heater Oil Loading Oty Capacity Crankcase Heater Oil Loading Type	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW RT kW B(A) mm mm mm mm mm M Pa Pa Pa MI KW W ml ml ml	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6 ⁴ 2 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D 500 R410A
eating eating pund pressure level pe Connections an Motor C Inverter Compressor croll Compressor efrigerant	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Capacity Crankcase Heater Oil Loading Oil Loading	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW RT kW B(A) mm mm mm M Pa Pa Pa KW W KW W ml kW kg	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A 13	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 1 13,39 27,6 FVC68D 500 13	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D 500 R410A 16
eating pund pressure level pe Connections an Motor C Inverter Compressor croll Compressor efrigerant esign Pressure (High/Low)	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Capacity Crankcase Heater Oil Loading Oty Capacity Crankcase Heater Oil Loading Type	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW RT kW dB(A) mm mm mm mm mm Pa Pa Pa kW W w ml kW w ml kW w kW w	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D 500 R410A 16 4,4/2,6
eating eating pund pressure level ipe Connections an Motor C Inverter Compressor croll Compressor efrigerant esign Pressure (High/Low) et Dimensions (WxHxD)	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Type Oil Loading Type Oil Loading Type Factory Loading	kW RT kW/kW kW/kW RT kW RT kW RT kW RT kW gath mm mm mm mm mm mm mm mm mm Pa Pa Pa kW W w ml kW w ml kg mPa	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1305*1790*820	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 1 13,39 27,6 FVC68D 500 13 4,4/2,6 1250*1615*76	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D 500 R410A 16 4,4/2,6 1250*1615*765
eating pund pressure level pe Connections in Motor C Inverter Compressor croll Compressor efrigerant esign Pressure (High/Low) et Dimensions (WxHxD) ackaging Dimension (WxH	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Type Oil Loading Type Oil Loading Type Factory Loading	kW RT kW/kW kW/kW RT kW RT kW RT kW mm kW W ml kg mPa	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 1 33,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1305*1790*820 1305*1790*820	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 1 13,39 27,6 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1250*1615*76 1305*1790*820	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 1 20,9 27,6 FVC68D 500 R410A 16 4,4/2,6 1250*1615*765 1250*1615*765
eating pund pressure level pe Connections in Motor C Inverter Compressor croll Compressor efrigerant esign Pressure (High/Low) et Dimensions (WxHxD) ackaging Dimension (WxH	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Type Oil Loading Type Oil Loading Type Factory Loading	kW RT kW/kW kW/kW RT kW RT kW RT kW mm kW W ml kW ml kg mm kg	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1305*1790*820 1305*1790*82 280	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1250*1615*76 1305*1790*820 280	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 1,80 27,6*2 FVC68D 500 1 1,80 27,6*2 FVC68D 500 1 20,9 27,6 FVC68D 500 R410A 16 4,4/2,6 1250*1615*765 1250*1615*765 300
	Power Input EER Capacity Power Input COP Fluid Line Gas Line Oil Line Type Qty Air Flow Rate Motor Power ESP Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Qty Crankcase Heater Oil Loading Type Oil Loading Type Oil Loading Type Factory Loading	kW RT kW/kW kW/kW RT kW RT kW RT kW mm kW W ml kg mPa	11,4 12,31 3,25 45,0 12,80 11,19 4,02 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 1 33,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1305*1790*820 1305*1790*820	45,0 12,8 14,02 3,21 50,0 14,20 12,79 3,91 60 Ø 15,9 Ø 31,8 Ø 6 DC + AC 1 + 1 15100 560 + 380 0-20 (default) 20-40 (customized) 1 31,59 27,6*2 FVC68D 500 1 13,39 27,6 FVC68D 500 1 13,39 27,6 FVC68D 500 1 13,39 27,6 FVC68D 500 R410A 13 4,4/2,6 1250*1615*76 1305*1790*820	14,2 15,20 3,29 56,0 15,90 14,25 3,93 61 Ø 19,1 Ø 31,8 Ø 6 DC + AC 1 + 1 15200 560 + 380 0-20 (default) 20-60 (customized) 1 11,80 27,6*2 FVC68D 500 1 1 20,9 27,6 FVC68D 500 R410A 16 4,4/2,6 1250*1615*765 1250*1615*765



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Sırapınar Mah.Beykoz Cad.Çanakçı Dere Mevki No:99-3 Çekmeköy – İstanbul

Tel : +90 (216) 420 65 58 Faks : +90 (216) 420 65 59

www.airplus.com.tr