

IN-ROOM PRECISION AIR CONDITIONING

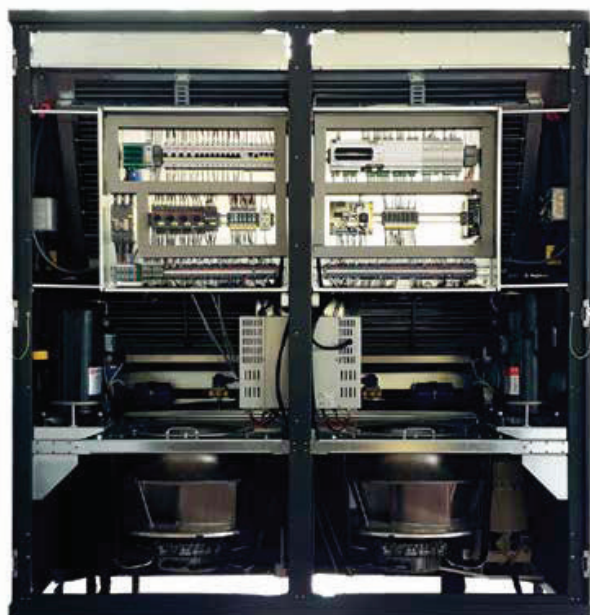
CRAC (DX BASED)



It is an industrial type, high-efficiency precision controlled air-conditioning de-vice used in applications where precision-controlled air conditioning is required to control temperature and humidity. Precision air conditioners designed on the basis of operation 365 days and 24 hours a year, provide the necessary temperature, humidity and filtration of dust in the environment, increasing the operation life and efficiency of electronic equipment.

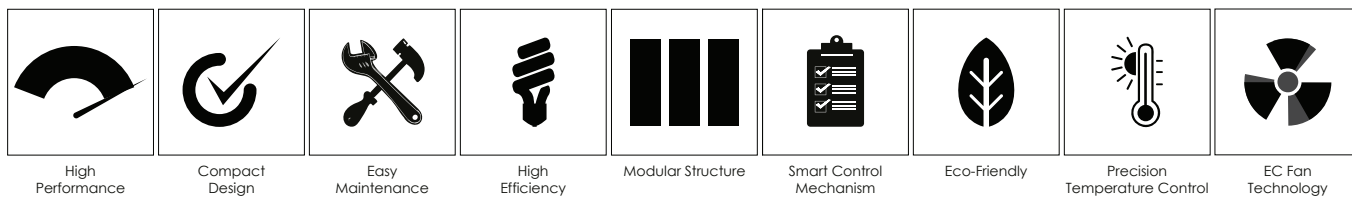
With its modular structure, Canovate Precision Controlled Air Conditioning is de-signed for easy installation by considering various needs including raised floors, lowered ceilings and air duct systems. It has a cooling capacity ranging from 7-120kW and performs precision cooling.

- Cooling capacity range from 7 kW to 120 kW
- R410A refrigerant specification
- Teamwork with up to 8 devices
- Intervention of all equipment from the front (Except device with option)
- Filter and fan control manager
- Sliding fan and filter structure
- Operation option according to pressure difference and temperature principle
- Suitable design for raised floor, low ceiling and air duct systems
- High efficiency system with direct free cooling and adiabatic cooling mode option

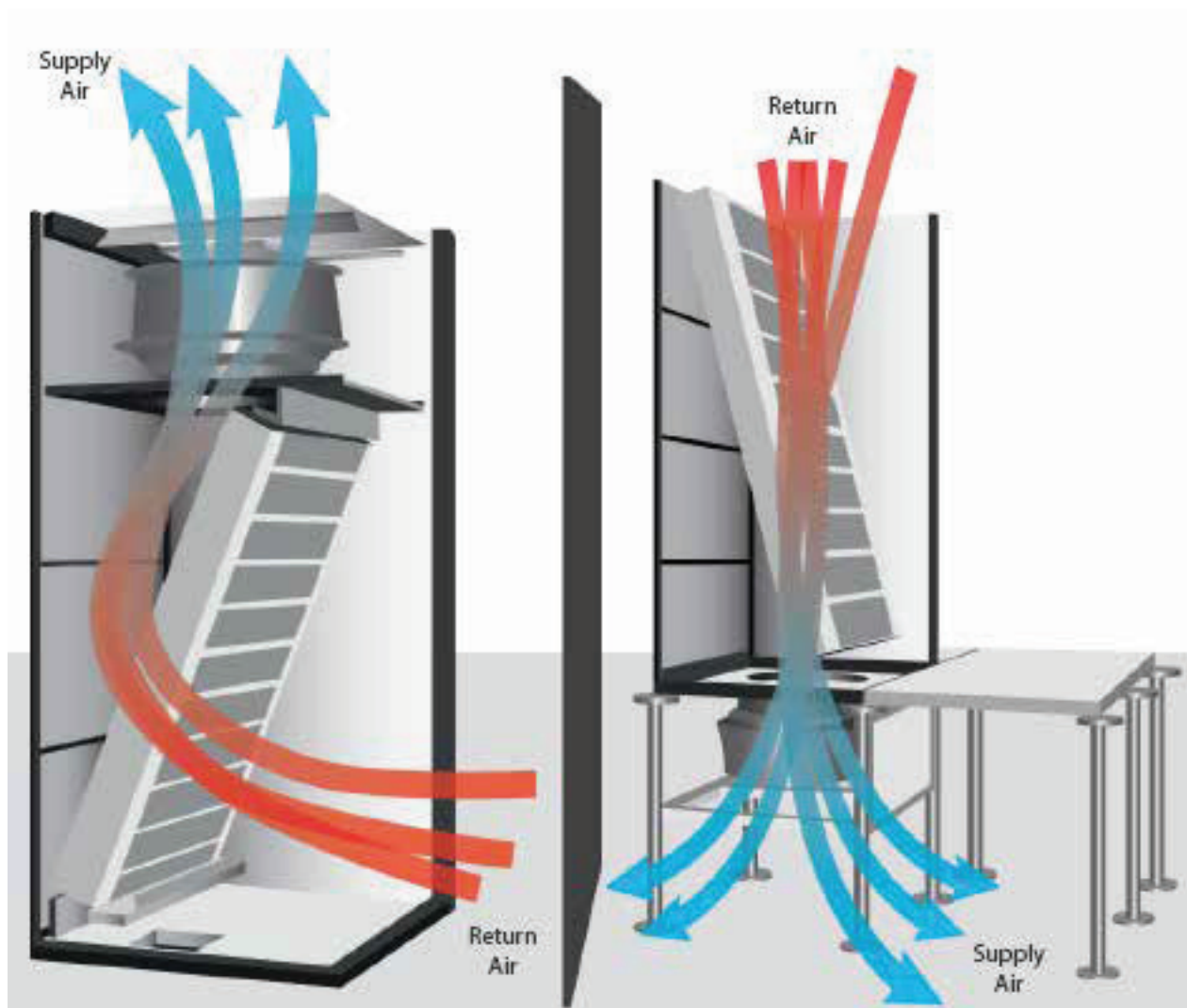
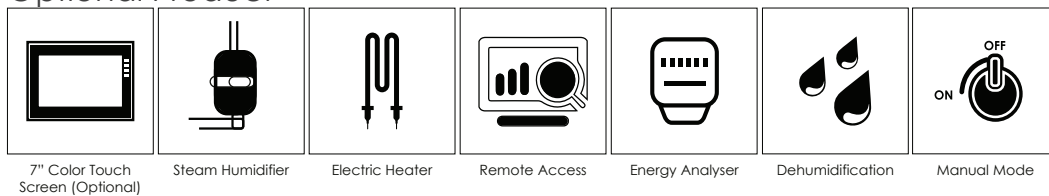


Canovate precision air conditioners are designed to serve at the optimum point according to ASHRAE standards.

Product Features



Optional Product



Precision Controlled Air Conditioning

Unit Configuration	(ADX)
Primer Coat and 2 Layers Electrostatic Painted	●
Electrostatic Powder Coated Galvanized Case	●
EC Radial Fan with Back Curved Blades	●
G4 Class Air Filter	●
Temperature at Return Air Inlet	●
Hermetic Scroll Compressor	●
Vibration Absorber for Compressor	●
DX Based Heat Exchanger	●
Water Based Heat Exchanger	-
Temperature Sensor at Supply Air Inlet	●
Fan Status Information Switch	●
Control Panel	●
Microprocessor Control	●
Outdoor Unit Fan Speed Control	●
High Pressure Sensor	●
Pressure Switch for High/Low Pressure Protection	●
BacNET	●
Modbus TCP/IP	○
Modbus RTU	●
Externally Balanced Thermostatic Expansion Valve	○
Liquid Line Solenoid	●
Dryer (Filter Dryer)	●
Liquid Tank	●
Sight Glass	●
Motorized 3 Way Valve	●
Phase Protection Relay	●
Energy analyzer	-
Current Transformer	●
Manual Operation Mode (Device Continues to Operate When PLC Fails)	○
Electrical Heater	○
Steam Humidifier	○
Web Interface	○
SNMP Module	○
Air Pressure Switch for Filter Alarm Information	●
Motorized Damper in Top Blow Devices	○
Plenum Box in Top Blow Devices	○
Air Plenum in Bottom Blowing Devices	○
Non-Return Air Damper in Top Blow Devices	○
Adjustable Leg Installation Plinth Stand	○
Water Level Switch	●
Water Leak Alarm Kit	○
Mail Message Module	○
Electronic Expansion Valve	○
Free Cooling Kit (Free Cooling Box Kit)	○
Automatic Transfer Switch (ATS)	○
Air Shutter for Supply Air	○
Air Valve for Return Air	○
Gooseneck And Air Direction Louver	○
Remote On-Off (Dry Contact)	●
Remote On-Off (Via Web Interface)	○
Team work	○

Note: "●"standard configuration, "○"option available, "—" option not available

ADX SX - S Series (On/Off Compressor-DX Condenser)

Model		SX010 S	SX019 S	SX025 S	SX033 S	SX038 S	SX043 S	SX048 S	SX058 S
Power Supply	V/ph/Hz	400/3+N/50							
Performance									
Gross Cooling Capacity ¹	kW	11,58	19,96	27,70	34,09	38,03	45,22	48,88	57,60
Sensible Cooling Capacity ¹	kW	10,68	18,43	25,96	31,82	35,53	42,72	45,97	53,96
SHR		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EER (Gross)		3,68	3,71	3,81	3,92	3,79	4,01	3,92	3,92
EER (Net)		3,39	3,42	3,57	3,66	3,54	3,79	3,68	3,68
Capacity Control		On / Off							
Minimum Capacity	%	100							
Refrigerant									
Refrigerant Type		R 410A							
Control		Thermostatic Expansion Valve							
Circuit	N°	1							
Compressor									
Type		Scroll On/Off							
Quantity	N°	1							
Power Consumption	kW	2,25	3,85	5,53	6,42	7,52	8,77	9,57	11,04
Fan									
Type		EC Backward Curved Centrifugal Fan							
Quantity	N°	1	1	1	1	1	2	2	2
Air Flow	m³/h	5000	7500	8500	10000	12000	12000	14500	17500
Power Consumption	kW	0,90	1,53	1,74	2,27	2,50	2,50	2,91	3,64
Noise Level									
Noise Power	dB(A)	53	55	55	57	57	57	59	61
Indoor Unit Dimensions & Weight									
Weight	kg	202	324	335	354	375	400	482	632
Width	mm	800	950	950	950	1120	1250	1380	1800
Depth	mm	890							
Height	mm	1970							
Filter									
Type		G4							
Electrical Informations									
Nominal Power Consumption	kW	3,75	5,90	8,46	9,88	11,47	12,92	13,47	15,98
Nominal Operating Current	A	8,33	11,35	18,76	21,57	25,33	28,25	26,62	33,71
Maximum Operating Current	A	14,72	17,42	26,92	28,92	34,52	38,12	37,42	43,42
Outdoor Unit									
Model		CFH1112	CFH1120	CFH2134	CFH2134	CFH2144	CFH3149	CFH3155	CFH3162
Air Flow	m³/h	6500	9000	14000	14000	18000	20000	20300	22500
Outdoor Unit Dimensions & Weight									
Weight	kg	39	59	97	97	100	142	170	195
Width	mm	880	1350	1580	1580	1880	2030	2380	2530
Depth	mm	420	420	420	420	420	420	420	420
Height	mm	780	1030	1030	1030	1030	1030	1030	1030
Humidifier									
Type		Steam Humidifier							
Quantity	°N	1							
Capacity	kg/h	8 or 15							
Power Consumption	kW	6 ~ 11,3							
Maximum Operating Current	A	9,1 ~ 17,1							
Power Supply	V/ph/Hz	380 / 3 / 50							
Electrical Heater									
Step		3							
Capacity	kW	4,5	9	9	13,5	18	18	27	27
Maximum Operating Current	A	20,5	40,9	40,9	61,4	81,8	81,8	122,7	122,7
Power Supply	V/ph/Hz	220/1/50							

ADX DX-S Series (On/Off Compressor - Condenser DX)

Model		DX035 S	DX042 S	DX050 S	DX057 S	DX067 S	DX077 S	DX082 S	DX090 S	DX113 S
Power Supply	V/ph/Hz	400/3+N/50								
Performance										
Gross Cooling Capacity ¹	kW	40,41	45,08	52,65	57,4	65,96	78,95	84,34	94,55	112,21
Sensible Cooling Capacity ¹	kW	37,35	42,67	49,82	53,8	61,26	73,95	78,8	88,17	105,4
SHR		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EER (Gross)		3,76	3,92	3,79	3,49	3,33	3,50	3,65	3,70	3,84
EER (Net)		3,47	3,71	3,59	3,27	3,10	3,28	3,41	3,45	3,61
Capacity Control		On / Off + On / Off								
Minimum Capacity	%	50								
Refrigerant										
Refrigerant Type		R 410A								
Control		Electronic Expansion Valve								
Circuit	N°	2								
Compressor										
Type		Scroll On/Off								
Quantity	N°	2								
Power Consumption	kW	7,70	9,10	11,06	12,84	15,08	17,54	17,54	19,14	22,40
Fan										
Type		EC Backward Curved Centrifugical Fan								
Quantity	N°	2	2	2	2	2	2	2	2	3
Air Flow	m³/h	15000	16000	17300	19000	22400	27200	28200	27600	33200
Power Consumption	kW	3,06	2,41	2,83	3,6	4,7	5	5,54	6,38	6,81
Noise Level										
Noise Power	dBA	60	61	61	63	63	65	65	67	69
Indoor Unit Dimensions & Weight										
Weight	kg	640	650	702	734	782	823	884	951	992
Width	mm	1850	1850	1850	1850	2210	2210	2210	2420	2570
Depth	mm	890								
Height	mm	1970								
Filter										
Type		G4								
Electrical Informations										
Nominal Power Consumption	kW	11,95	14,08	16,04	17,55	21,05	23,69	23,65	25,97	29,84
Nominal Operating Current	A	23,36	27,56	32,78	35,68	41,80	47,04	46,86	49,60	60,80
Maximum Operating Current	A	29,72	40,72	43,12	47,12	53,92	63,32	63,32	73,62	78,32
Outdoor Unit										
Model		CFH2123	CFH2134	CFH2134	CFH2144	CFH2144	CFH3151	CFH3149	CFH3152	CFH3162
Air Flow	m³/h	12500	14000	14000	18000	18000	20500	20000	21000	22500
Outdoor Unit Dimensions & Weight										
Weight	kg	97	97	97	100	100	175	158	175	195
Width	mm	1580	1580	1580	1880	1880	2230	2030	2230	2530
Depth	mm	420	420	420	420	420	420	420	420	420
Height	mm	1030	1030	1030	1030	1030	1030	1030	1030	1030
Humidifier										
Type		Steam Humidifier								
Quantity	°N	1								
Capacity	kg/h	8 or 15								
Power Consumption	kW	6 ~ 11,3								
Maximum Operating Current	A	9,1 ~ 17,1								
Power Supply	V/ph/Hz	380 / 3 / 50								
Electrical Heater										
Step		3								
Capacity	kW	18	18	18	27	27	36	36	48	48
Maximum Operating Current	A	81,8	81,8	81,8	122,7	122,7	163,6	163,6	218,2	218,2
Power Supply	V/ph/Hz	220/1/50								

ADX SX-D Series (Inverter Compressor - DX Condenser)

Model		SX010 D	SX019 D	SX025 D	SX033 D	SX038 D	SX043 D	SX048 D	SX058 D
Power Supply	V/ph/Hz	400/3+N/50							
Performance									
Gross Cooling Capacity ¹	kW	11,39	21,53	25,42	33,17	38,00	42,53	47,71	57,16
Sensible Cooling Capacity ¹	kW	10,49	20,00	23,68	30,90	35,50	40,03	44,80	53,52
SHR		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EER (Gross)		3,47	3,74	3,62	3,82	3,59	3,69	3,65	3,55
EER (Net)		3,20	3,47	3,37	3,56	3,35	3,47	3,42	3,33
Capacity Control		Inverter							
Minimum Capacity	%	13 ~100							
Refrigerant									
Refrigerant Type		R 410A							
Control		Electronic Expansion Valve							
Circuit	N°	1							
Compressor									
Type		Scroll Inverter							
Quantity	N°	1							
Power Consumption	kW	2,38	4,23	5,28	6,42	8,08	9,02	10,17	12,45
Fan									
Type		EC Backward Curved Centrifugical Fan							
Quantity	N°	1	1	1	1	1	2	2	2
Air Flow	m³/h	5000	7500	8500	10000	12000	12000	14500	17500
Power Consumption	kW	0,90	1,53	1,74	2,27	2,50	2,50	2,91	3,64
Noise Level									
Noise Power	dBA	53	55	55	57	57	57	59	61
Indoor Unit Dimensions & Weight									
Weight	kg	202	324	335	354	375	400	482	632
Width	mm	800	950	950	950	1120	1250	1380	1800
Depth	mm	890							
Height	mm	1970							
Filter									
Type		G4							
Electrical Informations									
Nominal Power Consumption	kW	3,88	6,28	8,20	9,88	12,01	13,17	14,07	17,23
Nominal Operating Current	A	7,48	11,22	15,58	20,15	23,23	25,86	25,33	30,68
Maximum Operating Current	A	19,52	20,72	28,52	33,32	35,52	40,12	33,62	53,42
Outdoor Unit									
Model		CFH1112	CFH1120	CFH2134	CFH2134	CFH2144	CFH3149	CFH3155	CFH3162
Air Flow	m³/h	6500	9000	14000	14000	18000	20000	20300	22500
Outdoor Unit Dimensions & Weight									
Weight	kg	39	59	97	97	100	142	170	195
Width	mm	880	1350	1580	1580	1880	2030	2380	2530
Depth	mm	420	420	420	420	420	420	420	420
Height	mm	780	1030	1030	1030	1030	1030	1030	1030
Humidifier									
Type		Steam Humidifier							
Quantity	°N	1							
Capacity	kg/h	8 or 15							
Power Consumption	kW	6 ~ 11,3							
Maximum Operating Current	A	9,1 ~ 17,1							
Power Supply	V/ph/Hz	380 / 3 / 50							
Electrical Heater									
Step		3							
Capacity	kW	4,5	9	9	13,5	18	18	27	27
Maximum Operating Current	A	20,5	40,9	40,9	61,4	81,8	81,8	122,7	122,7
Power Supply	V/ph/Hz	220/1/50							

ADX DX-D Series (Inverter Compressor - DX Condenser)

Model		DX035 D	DX042 D	DX050 D	DX057 D	DX067 D	DX077 D	DX082 D	DX090 D	DX113 D
Power Supply	V/ph/ Hz	400/3+N/50								
Performance										
Gross Cooling Capacity ¹	kW	37,31	44,38	53,03	57,6	67,6	78,34	84,34	92,04	112,21
Sensible Cooling Capacity ¹	kW	34,25	41,97	50,2	54	62,9	73,34	78,8	85,66	105,4
SHR		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EER (Gross)		3,24	4,09	3,96	4,07	3,85	3,09	3,26	3,44	3,54
EER (Net)		2,98	3,86	3,75	3,82	3,59	2,89	3,04	3,21	3,32
Capacity Control		Inverter + Inverter								
Minimum Capacity	%	13 ~ 100								
Refrigerant										
Refrigerant Type		R 410A								
Control		Electronic Expansion Valve								
Circuit	N°	2								
Compressor										
Type		Scroll Inverter								
Quantity	N°	2								
Power Consumption	kW	8,45	8,45	10,55	10,55	12,84	20,34	20,34	20,34	24,90
Fan										
Type		EC Backward Curved Centrifugical Fan								
Quantity	N°	2	2	2	2	2	2	2	2	3
Air Flow	m³/h	15000	16000	17300	19000	22400	27200	28200	27600	33200
Power Consumption	kW	3,06	2,41	2,83	3,6	4,7	5	5,54	6,38	6,81
Noise Level										
Noise Power	dBA	60	61	61	63	63	65	65	67	69
Indoor Unit Dimensions & Weight										
Weight	kg	640	650	702	734	782	823	884	951	992
Width	mm	1850	1850	1850	1850	2210	2210	2210	2420	2570
Depth	mm	890								
Height	mm	1970								
Filter										
Type		G4								
Electrical Informations										
Nominal Power Consumption	kW	12,70	13,43	15,54	15,27	18,81	26,49	26,45	27,17	32,34
Nominal Operating Current	A	23,10	24,32	26,42	25,24	34,42	45,94	45,76	47,02	54,74
Maximum Operating Current	A	36,32	39,32	46,12	46,12	55,92	67,32	67,32	66,02	98,32
Outdoor Unit										
Model		CFH2123	CFH2134	CFH2134	CFH2144	CFH2144	CFH3151	CFH3149	CFH3152	CFH3162
Air Flow	m³/h	12500	14000	14000	18000	18000	20500	20000	21000	22500
Outdoor Unit Dimensions & Weight										
Weight	kg	97	97	97	100	100	175	158	175	195
Width	mm	1580	1580	1580	1880	1880	2230	2030	2230	2530
Depth	mm	420	420	420	420	420	420	420	420	420
Height	mm	1030	1030	1030	1030	1030	1030	1030	1030	1030
Humidifier										
Type		Steam Humidifier								
Quantity	°N	1								
Capacity	kg/h	8 or 15								
Power Consumption	kW	6 ~ 11,3								
Maximum Operating Current	A	9,1 ~ 17,1								
Power Supply	V/ph/ Hz	380 / 3 / 50								
Electrical Heater										
Step		3								
Capacity	kW	18	18	18	27	27	36	36	48	48
Maximum Operating Current	A	81,8	81,8	81,8	122,7	122,7	163,6	163,6	218,2	218,2
Power Supply	V/ph/ Hz	220/1/50								

ADX DX-DS Series (On/Off+Inverter Compressor - DX Condenser)

Model		DX035 DS	DX042 DS	DX053 DS	DX057 DS	DX065 DS	DX077 DS	DX082 DS	DX090 DS	DX113 DS
Power Supply	V/ph/Hz	400/3+N/50								
Performance										
Gross Cooling Capacity ¹	kW	39,36	42,25	51,74	57,4	65,4	78,2	82,1	88,6	113,38
Sensible Cooling Capacity ¹	kW	37	41,96	50,1	54	62,3	73,3	78,8	85,6	105,1
SHR		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
EER (Gross)		3,53	3,78	3,79	3,75	3,50	3,27	3,35	3,39	3,72
EER (Net)		3,32	3,75	3,67	3,53	3,34	3,06	3,22	3,28	3,45
Capacity Control		On/Off + Inverter								
Minimum Capacity	%	13 ~ 100								
Refrigerant										
Refrigerant Type		R 410A								
Control		Electronic Expansion Valve								
Circuit	N°	2								
Compressor - 1										
Type		Scroll On/Off								
Quantity	°N	2								
Power Consumption	kW	3,85	4,55	5,53	6,42	7,54	8,77	8,77	9,57	11,2
Compressor - 2										
Type		Scroll Inverter								
Quantity	N°	2								
Power Consumption	kW	4,23	4,23	5,28	5,28	6,42	10,17	10,17	10,17	12,45
Fan										
Type		EC Backward Curved Centrifugical Fan								
Quantity	N°	2	2	2	2	2	2	2	2	3
Air Flow	m³/h	15000	16000	17300	19000	22400	27200	28200	27600	33200
Power Consumption	kW	3,06	2,41	2,83	3,6	4,7	5	5,54	6,38	6,81
Noise Level										
Noise Power	dBA	60	61	61	63	63	65	65	67	69
Indoor Unit Dimensions & Weight										
Weight	kg	640	650	702	734	782	823	884	951	992
Width	mm	1850	1850	1850	1850	2210	2210	2210	2420	2570
Depth	mm	890								
Height	mm	1970								
Filter										
Type		G4								
Electrical Informations										
Nominal Power Consumption	kW	12,32	13,76	15,79	16,41	19,93	25,09	25,05	26,57	31,09
Nominal Operating Current	A	23,23	25,94	29,60	30,46	38,11	46,49	46,31	48,31	57,77
Maximum Operating Current	A	27,52	32,52	36,52	37,52	44,12	52,72	52,72	54,32	71,32
Outdoor Unit										
Model		CFH2122	CFH2126	CFH2131	CFH2133	CFH2139	CFH3146	CFH3148	CFH3152	CFH3165
Air Flow	m³/h	12500	14000	14000	14000	14000	15500	21000	22500	24000
Outdoor Unit Dimensions & Weight										
Weight	kg	97	97	97	100	100	175	158	175	195
Width	mm	1580	1580	1580	1880	1880	2230	2030	2230	2530
Depth	mm	420	420	420	420	420	420	420	420	420
Height	mm	1030	1030	1030	1030	1030	1030	1030	1030	1030
Humidifier										
Type		Steam Humidifier								
Quantity	°N	1								
Capacity	kg/h	8 or 15								
Power Consumption	kW	6 ~ 11,3								
Maximum Operating Current	A	9,1 ~ 17,1								
Power Supply	V/ph/Hz	380 / 3 / 50								
Electrical Heater										
Step		3								
Capacity	kW	18	18	18	27	27	36	36	48	48
Maximum Operating Current	A	81,8	81,8	81,8	122,7	122,7	163,6	163,6	218,2	218,2
Power Supply	V/ph/Hz	220/1/50								

ADX-W (ADX-SX-W Series On/Off Compressor - Water Condenser)

Model		SX010 W	SX019 W	SX025 W	SX033 W	SX038 W	SX043 W	SX048 W	SX058 W
Power Supply	V/ph/ Hz	400/3+N/50							
Performance									
Sensible Cooling Capacity ¹	kW	10,68	18,43	25,96	31,82	35,53	42,72	45,97	53,96
EER		3,39	3,42	3,57	3,66	3,54	3,79	3,68	3,68
Capacity Control		On/Off							
Minimum Capacity	%	100							
Refrigerant									
Refrigerant Type		R 410A							
Control		Electronic Expansion Valve							
Circuit	N°	1							
Compressor									
Type		Scroll On/Off							
Quantity	N°	1							
Power Consumption	kW	2,25	3,85	5,53	6,42	7,52	8,77	9,57	11,04
Fan									
Type		EC Backward Curved Centrifugal Fan							
Quantity	N°	1	1	1	1	1	2	2	2
Air Flow	m³/h	5000	7500	8500	10000	12000	12000	14500	17500
Power Consumption	kW	0,90	1,53	1,74	2,27	2,50	2,50	2,91	3,64
Water Cooled Heat Exchanger - Condenser									
Type		Lehimli Plakalı Eşanjör							
Water Flow	m³/h	2,22	3,83	5,42	6,58	7,40	8,86	9,55	11,18
Pressure Drop	kPa	36	38	35	37	39	40	42	41
Operating Range									
Water Side	°C	20 ~ 60							
Water Circuit									
Connection Type		Threaded							
Diameter	inç	1 1/4"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Noise Level									
Noise Power	dBA	53	55	55	57	57	57	59	61
Dimensions & Weight									
Weight	kg	202	324	335	354	375	400	482	632
Width	mm	800	950	950	950	1120	1250	1380	1800
Depth	mm	800	890	890	890	890	890	890	890
Height	mm	1970	1970	1970	1970	1970	1970	1970	1970
Humidifier									
Type		Steam Humidifier							
Quantity	°N	1							
Capacity	kg/h	8 or 15							
Power Consumption	kW	6 ~ 11,3							
Maximum Operating Current	A	9,1 ~ 17,1							
Power Supply	V/ph/ Hz	380 / 3 / 50							
Electrical Heater									
Step		3							
Capacity	kW	4,5	9	9	13,5	18	18	27	27
Maximum Operating Current	A	20,5	40,9	40,9	61,4	81,8	81,8	122,7	122,7
Power Supply	V/ph/ Hz	220/1/50							

ADX-W (On/Off Compressor - Water Condenser)

Model		DX035W	DX042 W	DX053 W	DX057 W	DX065 W	DX077 W	DX082 W	DX090 W	DX113 W
Power Supply	V/ph/ Hz	400/3+N/50								
Performance										
Sensible Cooling Capacity ¹	kW	37,35	42,67	49,82	53,8	61,26	73,95	78,8	88,17	105,4
EER		3,47	3,71	3,59	3,27	3,10	3,28	3,41	3,45	3,61
Capacity Control		On/Off + On/Off								
Minimum Capacity	%	50								
Refrigerant										
Refrigerant Type		R 410A								
Control		Electronic Expansion Valve								
Circuit	N°	2								
Compressor										
Compressor Type		Scroll On/Off								
Compressor Piece	N°	2	2	2	2	2	2	2	2	2
Power Consumption	kW	7,70	9,10	11,06	12,84	15,08	17,54	17,54	19,14	22,40
Fan										
Type		EC Backward Curved Centrifugical Fan								
Quantity	N°	2	2	2	2	2	2	2	2	3
Air Flow	m³/h	15000	16000	17300	19000	22400	27200	28200	27600	33200
Power Consumption	kW	3,06	2,41	2,83	3,6	4,7	5	5,54	6,38	6,81
Water Cooled Heat Exchanger - Condenser										
Type		Lehimli Plakalı Eşanjör								
Water Flow	m³/h	7,75	8,90	10,47	11,46	13,13	15,74	16,57	18,46	21,98
Pressure Drop	kPa	35	37	38	36	36	39	40	38	40
Operating Range										
Water Side	°C	20 ~ 60								
Water Circuit										
Connection Type		Threaded								
Diameter	inç	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Noise Level										
Noise Power	dB(A)	60	61	61	63	63	65	65	67	69
Dimensions & Weight										
Weight	kg	640	650	702	734	782	823	884	951	992
Width	mm	1850	1850	1850	1850	2210	2210	2210	2420	2570
Depth	mm	890	890	890	890	890	890	890	890	890
Height	mm	1970	1970	1970	1970	1970	1970	1970	1970	1970
Humidifier										
Type		Steam Humidifier								
Quantity	°N	1								
Capacity	kg/h	8 or 15								
Power Consumption	kW	6 ~ 11,3								
Maximum Operating Current	A	9,1 ~ 17,1								
Power Supply	V/ph/ Hz	380 / 3 / 50								
Electrical Heater										
Step		3								
Capacity	kW	18	18	18	27	27	36	36	48	48
Maximum Operating Current	A	81,8	81,8	81,8	122,7	122,7	163,6	163,6	218,2	218,2
Power Supply	V/ph/ Hz	220/1/50								

ADX-WD (With Inverter Compressor - With Water Condenser)

Model		SX010 WD	SX019 WD	SX025 WD	SX033 WD	SX038 WD	SX043 WD	SX048 WD	SX058 WD
Power Supply	V/ph/ Hz	400/3+N/50							
Performance									
Sensible Cooling Capacity ¹	kW	11,23	19,45	25,50	33,20	38,27	42,20	48,10	55,50
EER		3,61	3,52	3,71	3,76	3,58	3,54	3,64	3,48
Capacity Control		Inverter							
Minimum Capacity	%	25 ~ 100							
Refrigerant									
Refrigerant Type		R 410A							
Control		Electronic Expansion Valve							
Circuit	N°	1							
Compressor									
Type		Scroll							
Quantity	N°	1	1	1	1	1	1	1	1
Power Consumption	kW	2,383	4,225	5,277	6,42	8,079	9,019	10,17	12,45
Fan									
Type		EC Backward Curved Centrifugal Fan							
Quantity	N°	1	1	1	1	1	2	2	2
Air Flow	m³/h	5000	8500	10000	11700	12200	13800	15600	17600
Power Consumption	kW	0,73	1,30	1,60	2,40	2,60	2,90	3,05	3,48
Water Cooled Heat Exchanger - Condenser									
Type		Lehimli Plakalı Eşanjör							
Water Flow	m³/h	2,34	4,07	5,29	6,81	7,97	8,81	10,02	11,69
Pressure Drop	kPa	36	38	35	37	39	40	42	41
Operating Range									
Water Side	°C	20 ~ 60							
Water Circuit									
Connection Type		Threaded							
Diameter	inç	1 1/4"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Noise Level									
Noise Power	dBA	53	55	55	57	57	57	59	61
Dimensions & Weight									
Weight	kg	202	295	334	368	442	552	632	691
Width	mm	675	950	950	950	1250	1250	1800	1800
Depth	mm	728	890	890	890	890	890	890	890
Height	mm	1970	1970	1970	1970	1970	1970	1970	1970
Humidifier									
Type		Steam Humidifier							
Quantity	°N	1							
Capacity	kg/h	8 or 15							
Power Consumption	kW	6 ~ 11,3							
Maximum Operating Current	A	9,1 ~ 17,1							
Power Supply	V/ph/ Hz	380 / 3 / 50							
Electrical Heater									
Step		3							
Capacity	kW	4,5	9	9	13,5	18	18	27	27
Maximum Operating Current	A	20,5	40,9	40,9	61,4	81,8	81,8	122,7	122,7
Power Supply	V/ph/ Hz	220/1/50							

ADX-WD (With Inverter Compressor - With Water Condenser)

Model		DX035 WD	DX042 WD	DX053 WD	DX057 WD	DX065 WD	DX077 WD	DX082 WD	DX090 WD	DX113 WD
Power Supply	V/ph/Hz	400/3+N/50								
Performance										
Sensible Cooling Capacity ¹	kW	34,25	41,97	50,2	54	62,9	73,34	78,8	85,66	105,4
EER		2,98	3,86	3,75	3,82	3,59	2,89	3,04	3,21	3,32
Capacity Control		Inverter + Inverter								
Minimum Capacity	%	13 ~100								
Refrigerant										
Refrigerant Type		R 410A								
Control		Electronic Expansion Valve								
Circuit	N°	2								
Compressor										
Type		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	On / Off
Quantity	N°	2								
Power Consumption	kW	8,45	8,45	10,55	10,55	12,84	20,34	20,34	20,34	24,90
Fan										
Type		EC Backward Curved Centrifugical Fan								
Quantity	N°	2	2	2	2	2	2	2	2	3
Air Flow	m³/h	15000	16000	17300	19000	22400	27200	28200	27600	33200
Power Consumption	kW	3,06	2,41	2,83	3,6	4,7	5	5,54	6,38	6,81
Water Cooled Heat Exchanger - Condenser										
Type		Lehimli Plakalı Eşanjör								
Water Flow	m³/h	7,34	8,67	10,45	11,10	13,03	16,11	17,05	18,23	22,41
Pressure Drop	kPa	36	37	38	36	36	39	40	38	40
Operating Range										
Water Side	°C	20 ~ 60								
Water Circuit										
Connection Type		Threaded								
Diameter	inç	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Noise Level										
Noise Power	dBA	60	61	61	63	63	65	65	67	69
Dimensions & Weight										
Weight	kg	640	650	702	734	782	823	884	951	992
Width	mm	1850	1850	1850	1850	2210	2210	2210	2420	2570
Depth	mm	890	890	890	890	890	890	890	890	890
Height	mm	1970	1970	1970	1970	1970	1970	1970	1970	1970
Humidifier										
Type		Steam Humidifier								
Quantity	°N	1								
Capacity	kg/h	8 or 15								
Power Consumption	kW	6 ~ 11,3								
Maximum Operating Current	A	9,1 ~ 17,1								
Power Supply	V/ph/Hz	380 / 3 / 50								
Electrical Heater										
Step		3								
Capacity	kW	18	18	18	27	27	36	36	48	48
Maximum Operating Current	A	81,8	81,8	81,8	122,7	122,7	163,6	163,6	218,2	218,2
Power Supply	V/ph/Hz	220/1/50								

ADX-WD (Onn/Off+Inverter Compressor - Water Condenser)

Model		DX035 WDS	DX042 WDS	DX053 WDS	DX057 WDS	DX065 WDS	DX077 WDS	DX082 WDS	DX090 WDS	DX113 WDS	
Power Supply	V/ph/Hz	400/3+N/50									
Performance											
Sensible Cooling Capacity ¹	kW	37	41,96	50,1	54	62,3	73,3	78,8	85,6	105,1	
EER		3,32	3,75	3,67	3,53	3,34	3,06	3,22	3,28	3,45	
Capacity Control		On/Off + Inverter									
Minimum Capacity	%	13 ~100									
Refrigerant											
Refrigerant Type		R 410A									
Control		Electronic Expansion Valve									
Circuit	N°	2									
Compressor - 1											
Type		Scroll On/Off									
Power Consumption	kW	3,85	4,55	5,53	6,42	7,54	8,77	8,77	9,57	11,2	
Compressor - 2											
Type		Scroll Inverter									On / Off
Power Consumption	kW	4,23	4,23	5,28	5,28	6,42	10,17	10,17	10,17	12,45	
Fan											
Type		EC Backward Curved Centrifugical Fan									
Quantity	N°	2	2	2	2	2	2	2	2	3	
Air Flow	m³/h	15000	16000	17300	19000	22400	27200	28200	27600	33200	
Power Consumption	kW	3,06	2,41	2,83	3,6	4,7	5	5,54	6,38	6,81	
Water Cooled Heat Exchanger - Condenser											
Type		Lehimli Plakalı Eşanjör									
Water Flow	m³/h	7,06	7,97	9,55	10,29	11,92	14,24	15,18	16,42	20,11	
Pressure Drop	kPa	36	37	38	36	36	39	40	38	40	
Operating Range											
Water Side	°C	20 ~ 60									
Water Circuit											
Connection Type		Threaded									
Diameter	inç	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
Noise Level											
Noise Power	dBA	60	61	61	63	63	65	65	67	69	
Dimensions & Weight											
Weight	kg	640	650	702	734	782	823	884	951	992	
Width	mm	1850	1850	1850	1850	2210	2210	2210	2420	2570	
Depth	mm	890	890	890	890	890	890	890	890	890	
Height	mm	1970	1970	1970	1970	1970	1970	1970	1970	1970	
Humidifier											
Type		Steam Humidifier									
Quantity	°N	1									
Capacity	kg/h	8 or 15									
Power Consumption	kW	6 ~ 11,3									
Maximum Operating Current	A	9,1 ~ 17,1									
Power Supply	V/ph/Hz	380 / 3 / 50									
Electrical Heater											
Step		3									
Capacity	kW	18	18	18	27	27	36	36	48	48	
Maximum Operating Current	A	81,8	81,8	81,8	122,7	122,7	163,6	163,6	218,2	218,2	
Power Supply	V/ph/Hz	220/1/50									



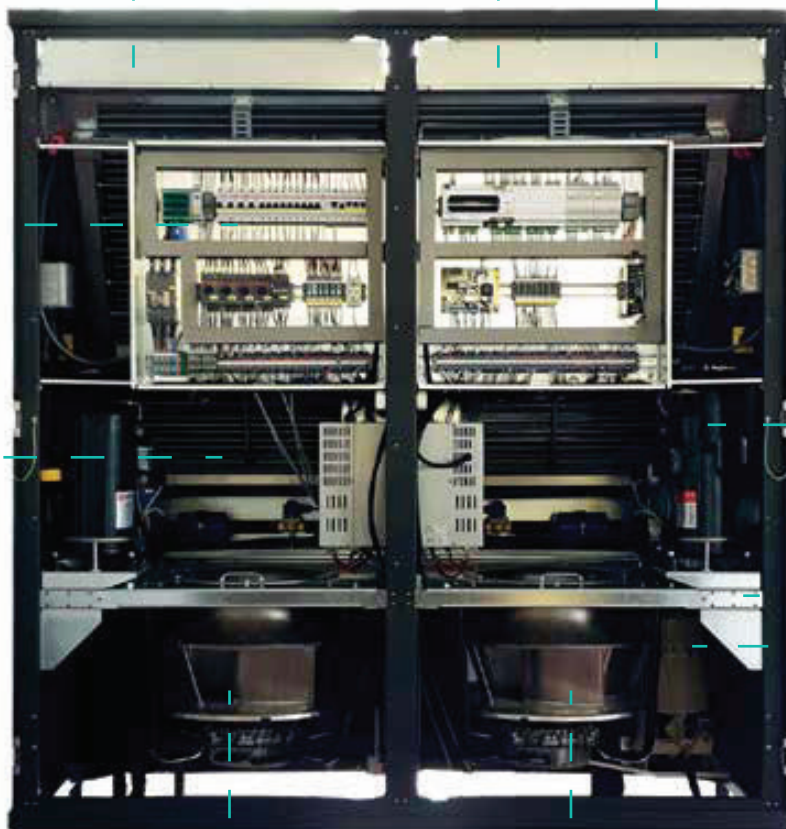
Sliding G4 Filter



Electrical Heater

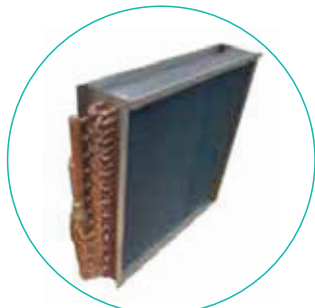


Compressor



Control Panel

Sliding Fan Design



Evaporador



Fan



Humidifier