AIR SOURCE HEAT PUMP UNIT

FS-S FS-S-R 260～1500



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Outdoor installation
Cooling capacity from 260 to 1530 kW
Heating capacity from 270 to 1590 kW

Characteristics

Semi-hermetic screw compressor
Moduler design
Shared water loop with other chillers. Online controller support

Available configurations

FS-S/FS-S-R 260 R(XX)% FC ST A 2
(1) (2) (3) (4) (5) (6)

(1)Type:
FS-S Cooling type
FS-S-R Heat pump type

(2) Heat Recovery:
XX Percentage of recovery

(3) Free-Cooling:
FC Free-Cooling

(4) Version:
ST Standard
EN Low noise type
RD Low temp(-15°C)heat pump

(5) Refrigerants:
A R22
B R407C
C R134a
D R410A
E Other refrigerants

(6) Power Supply:
2 380/3/50
4 460/3/60
6 Other power supply

Applications



Functions and features



Optional

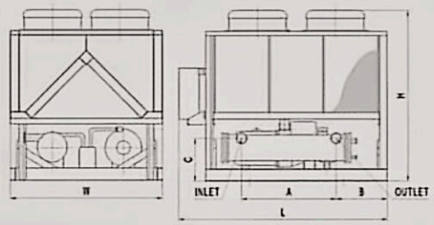
Partial heat recovery
Copper fins
Free-Cooling
Water pump

Technical data

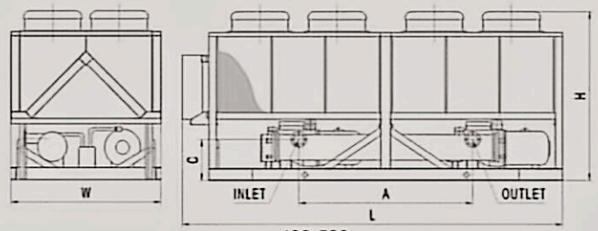
Model	FS-S-R	Size	260	260x2	260x3	400	400x2	400x3	500	500x2	500x3
General	Cooling capacity	KW	260	520	780	426	852	1278	510	1020	1530
	Power inlut	KW	89	178	267	149	298	447	178	356	534
	Heating capacity	KW	270	540	810	440	880	1320	530	1060	1590
	Power input	KW	85	170	255	140	280	420	170	340	510
	Power regulation stage	%	(25-50-75-100)/N(n: Number of modular)			(12.5-25-37.5-50-62.5-75-87.5-100)/N(n: Number of modular)					
Compressor	Nr.		1	2	3	2	4	6	2	4	6
	Type		Screw								
	Oil		P.O.E.								
	Oil volume	L	22	44	66	30	60	90	44	88	176
Fan	Type		Axial								
	Nr.		4	8	12	8	16	24	8	16	24
	Power input	KW	5.2	10.4	15.6	10.4	20.8	31.2	10.4	20.8	31.2
	Air flow	m³/h	88000	176000	264000	176000	352000	528000	176000	352000	528000
Coil	Type		Fin coil								
	Material		Al/Cu								
Evaporator	Type		Shell and tube								
	Water flow	m³/h	45	90	135	70	140	210	90	180	270
	Inlet/outlet nozzle	DN	125								
	Resistance	KPa	50								
Refrigerant	Nr. of circuits		1	2	3	2	4	6	2	4	6
	Type		407C								
	Weight	kg	75	150	225	120	240	360	150	300	450
Power supply			380V/3P/50Hz								
Noise		dB(A)	78	78.5	79	77	78	79	78	78.5	80
Weight		kg	2850	5700	8550	4700	9400	14100	5200	10400	15600

Note:
Cooling rated condition: evaporator water inlet/outlet temperature12°C/7°C,ambient temperature35°C.
Heating rated condition: evaporator water inlet/outlet temperature 40°C/45°C,ambient temperature 7°C(DB)/6°C(WB).
Noise measured at 1m in open field.

Dimensions



260



400-500

Size	L	W	H	A	B
260	3020	2226	2504	1400	800
400	5158	2226	2446	2092	/
500	5686	2226	2504	2600	/