

INSTANT HOT WATER AIR SOURCE HEAT PUMP

IWH 16~110



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Outdoor installation

Capacity from 16 to 110 KW

Characteristics

Water temperature difference between inlet and outlet can reach 47°C

The maximum outlet temperature is 65°C

Heat pump adopted modular design

Wide range of operational ambient temperature: -5~43°C

Available configurations

IWH 16 S 1

(1) (2)

(1) Version:

S Standard

T Stainlesssteel sheet metal

(2) Power Supply:

2 380/3/50

4 460/3/60

6 Other power supply

Applications



arts and crafts



industry



commerce



workshop



agriculture



domestic use

Functions and features



Heating only



Air cooled



Outdoor inst.



Refrig. R-134a



Herm. Scroll

Optional

Stainless steel plate casing

Water pump

Water flow regulate valve

Copper-Nickel Heat exchanger

Titanium heat exchanger

Technical data

Model	IWH	Size	16	20	24	28	48	80	110
General	Heating capacity	KW	16	20	24	28	48	80	110
	Power input	KW	4.6	5.7	6.9	7.9	13.7	22.6	30.7
	Power regulation stage	%	0-100	0-100	0-100	0-100	0-50-100	0-33-66-100	25-50-75-100
Compressor	Nr.		1	1	1	2	2	3	4
	Type		Scroll						
	Oil		P.O.E.						
	Oil volume	L	2	2	4	6	8	12	16
Fan	Type		Axial						
	Nr.		1	1	1	1	2	2	2
	Power input	KW	0.25	0.45	0.55	0.75	0.47×2	0.7×2	0.7×2
	Current	A	0.6	1	1.2	1.6	2	3	3
Evaporator	Air flow	m ³ /h	3600	4500	5500	6500	6200×2	13000×2	13000×2
	Type		Fin coil						
	Material		Al/Cu						
Condenser	Type		Co-axial						
	Water flow	m ³ /h	0.29	0.37	0.44	0.51	0.88	1.47	2.02
	Inlet/outlet nozzle	DN	20	20	20	25	32	40	40
	Max water side operation pressure	MPa	1						
	Max refrigerant side operation pressure	MPa	3						
Refrigerant	Resistance	KPa	23	25	28	28	24	26	28
	Nr. of circuits		1	1	1	2	2	2	2
	Type		R134a						
	Weight	kg	4.5	5	6.5	8	12	18	22
Power supply	Power supply		380V/3P/50Hz						
	Noise	dB(A)	60	61	61	63	65	66	68
	Weight	kg	470	500	520	540	560	870	950

Note:

Heating capacity is based on entering water temperature 13°C. leaving hot water temperature 60°C, and outdoor ambient temperature 25°C/60%RH.

Noise measured at 1m in open field.

Dimensions

Size	16	20	24	28	48	80	110
L	1160	1300	1300	1300	1800	2100	2108
W	780	900	900	900	1100	1160	1080
H	1016	1042	1042	1592	1600	1750	2050
A	198	198	198	202	204	204	120
B	100	119	224	182	224	224	444
C	148	175	202	202	202	202	120