

Floe Air Source Heat Pumps with WiFi

Model		Floe 6.40 R290	Floe 8.30 R290	Floe 12.00 R290	Floe 16.30 R290
Heating at A7/W35					
Heating capacity (min~max)	KW	6.40 (2.83~8.00)	8.30 (3.65~10.38)	12.00 (5.28~15.00)	16.30 (8.80~21.20)
Power input (min~max)	KW	1.47(0.65~1.84)	1.93(0.85~2.42)	2.90(1.28~3.63)	3.69(1.99~4.80)
COP	W/W	4.34 (3.03~5.21)	4.30 (3.01~5.16)	4.15 (3.00~5.00)	4.42 (3.10~5.30)
Heating at A2/W35					
Heating capacity (min~max)	KW	5.80 (2.55~7.25)	7.11 (3.13~8.89)	10.30 (4.53~12.88)	14.31 (6.86~18.60)
Power input (min~max)	KW	1.60 (0.71~2.00)	2.06 (0.91~2.58)	2.85 (1.25~3.56)	3.67(1.98~4.84)
COP	W/W	3.60 (2.52~4.32)	3.45 (2.48~4.30)	3.61 (2.53~4.40)	3.90 (2.73~4.68)
Heating at A7/W55					
Heating capacity (min~max)	KW	5.75 (2.53~7.19)	7.70 (3.40~9.63)	11.43(5.03~14.29)	14.71 (7.94~19.13)
Power input (min~max)	KW	2.03 (0.89~2.54)	2.70 (1.19~3.38)	4.07 (1.79~5.09)	5.02 (2.71~6.53)
COP	W/W	2.83 (2.30~3.80)	2.85 (2.00~3.42)	2.81 (2.02~3.41)	2.93(2.05~3.52)
Heating at A2/W55					
Heating capacity(min~max)	KW	5.14 (2.27~6.43)	6.72 (2.96~8.40)	9.70 (4.59~12.63)	13.81 (7.45~17.95)
Power input (min~max)	KW	2.06 (0.91~2.58)	2.71 (1.20~3.39)	3.99 (1.76~4.84)	4.93 (2.66~6.41)
COP	W/W	2.45 (2.00~3.45)	2.48 (2.00~3.60)	2.43 (2.00~3.60)	2.80 (2.20~3.90)
SCOP					
SCOP (TWW for 35°C class)	N/A	4.46	4.48	4.62	4.50
Energy label (TWW at 35°C)	N/A	A+++	A+++	A+++	A+++
SCOP (TWW for 55°C class)	N/A	3.58	3.57	3.60	3.62
Energy label (TWW at 55°C)	N/A	A++	A++	A++	A++
Power supply	V/Ph	220~240/1/50	220~240/1/50	380~415/3N/50	380~415/3N/50
Compressor	N/A	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Fan motor	N/A	DC	DC	DC	DC
Fan motor qty	pc	1	1	2	2
Refrigerant	N/A	R290/700g	R290/1100g	R290/1200g	R290/1600g
CO2 equivalent	T	0.0021	0.0033	0.0036	0.0048
Refrigerant regulation	N/A	Electronic expansion valve			
Heat exchanger	N/A	Brazed plate heat exchanger			
Circulation pump	N/A	Inverter			
Water connection	Inch	1	1	1	1
Nominal water flow	m3/h	1.4	1.8	2.7	3.6
Operating outdoor temp	°C	-25~43	-25~43	-25~43	-25~43
Max heating water temp	°C	75	75	75	75
Min cooling water temp	°C	10	10	10	10
Sound level	dB(A)	54.4	52.2	57.8	61.5
Degree of protection	N/A	IPX4	IPX4	IPX4	IPX4
Net weight	kg	80	85	99	135
Dimension	mm	1100*460*795	1100*460*795	1115*470*1020	1165*470*1280

- Test condition:
- 1. A7/W35: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 30°C /35°C
 - 2. A2/W35: outdoor air temperature 2°C DB/1°C WB, water inlet/outlet temperature 30°C /35°C
 - 3. A7/W55: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 47°C /55°C
 - 4. A2/W55: outdoor air temperature 2°C DB/1°C WB, water inlet/outlet temperature 47°C /55°C
 - 5. A35/W7: outdoor air temperature 35°C, water inlet/outlet temperature 12°C /7°C