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heating up... sustainably

SA Heat Pump Engineers

BWHE – ECONO RANGE AIR TO WATER HEAT PUMPS – NOMINAL CONDITIONS

		BWHE 2	BWHE 4	BWHE 6	BWHE 7	BWHE 8	BWHE 9	BWHE 10
Heating Capacity	Kw	14.6	26.2	44.7	52.4	89.4	104.8	209.6
Power Input	Kw	3.3	5.8	10.2	12.6	20.4	25.2	50.4
COP	w/w	4.4	4.6	4.4	4.2	4.4	4.2	4.16
Power Regulation Stages	%	81.5	89.6	90.7	91.6	90.7	91.6	91.6
Nr.		1	1	1	1	2	2	4
Type		Scroll						
Oil		P.O.E						
Oil Volume	l	1.7	1.7	3.5	3.5	7	7	14
Type		AXIAL						
Nr		1	1	1	1	2	2	4
Power Input	Kw	0.22	0.48	0.67	1.05	1.7	2.1	4.2
Current	A	0.55	1.10	2.06	2.34	4	4.68	8.775
Air Flow	m^3/H	3500	6000	10000	12000	20000	24000	48000
Type		Fin-coil Heat Exchanger						
Material		AL/CU						
Type		PHE						
Water Flow	m^3/H	0.34	0.61	1.04	1.22	2.08	2.44	4.88
Inlet/Outlet Nozzel	DN	25	40	50	50	80	80	80
Water Side Maximum Pressure	MPa	1						
Refrigerant Side Maximum Pressure	MPa	3						
Water Ressistance	m^3/H	23	28	24	26	26	28	30
Nr. Of Circuits		1	1	1	1	2	2	4
Type		R407c						
In Charge	Kg	3.5	5	8	10	16	20	40
		380V/3P/50Hz						
	Kg	116	186	320	330	670	720	1440
	dB(A)	55	56	58	58	59	59	62
L	mm	680	808	1445	1445	1975	1975	1975
W	mm	660	724	724	840	970	970	2185
H	mm	970	1174	1174	1625	1550	1550	1550
		Rated Condition: Heating capacity is based on entering water temperature 13°C; leaving hot water temperature 50°C, and outdoor ambient temperature 25°C.						