

Heat Pumps ecoGEO_Basic 5-22

		B1 5-22	B2 5-22	B3 5-22	B4 5-22	
Application	Heating	✓	✓	✓	✓	
	DHW with external storage tank	✓	✓	✓	✓	
	Integrated active cooling			✓	✓	
	Integrated passive cooling		✓		✓	
	Passive outdoor cooling control	✓			✓	
Performance	Compressor range of modulation	%	25 to 100	25 to 100	25 to 100	25 to 100
	Heating power, B0W35	kW	6 to 25	6 to 25	6 to 25	6 to 25
	COP, B0W35 max.	-	4.9	4.9	4.9	4.9
	Active cooling power, B35W7	kW			7 to 29	7 to 29
	EER, B35W7 max.	-			5	5
	Passive cooling power, B16W19 / B16W23	kW		4 / 9.3		4 / 9.3
	Maximum unassisted storage temperature	°C	58	58	58	58
	Maximum assisted storage temperature	°C	70	70	70	70
	Noise emission level	db	35 to 46	35 to 46	35 to 46	35 to 46
	Energy Label/ η_s with average temperature control			A+++ / 206%		
	Operation limits	Heating outlet temperature	°C	20 to 60	20 to 60	20 to 60
Cooling outlet temperature		°C	4 to 35	4 to 35	4 to 35	4 to 35
Brine inlet temperature		°C	-10 to 35	-10 to 35	-10 to 35	-10 to 35
Cooling circuit pressure		bar	2 to 45	2 to 45	2 to 45	2 to 45
Production circuit pressure		bar	0.5 to 3	0.5 to 3	0.5 to 3	0.5 to 3
Brine circuit pressure		bar	0.5 to 3	0.5 to 3	0.5 to 3	0.5 to 3
Working fluids	Refrigerant type / load	kg	R410A/1.70	R410A/1.70	R410A/2.00	R410A/2.00
	Compressor oil type / load	kg	POE/1.18	POE/1.18	POE/1.18	POE/1.18
Electrical data: Single-phase	Maximum recommended external protection	A	C40A	C40A	C40A	C40A
	Maximum consumption, B0W35	kW/A	5.8/25.2	5.8/25.2	5.8/25.2	5.8/25.2
	Maximum consumption, B0W55	kW/A	8.5/36.8	8.5/36.8	8.5/36.8	8.5/36.8
	Starting current	A	11.1	11.1	11.1	11.1
	Correction of cosine φ	-	0.96-1	0.96-1	0.96-1	0.96-1
Electrical data: Three-phase	Maximum recommended external protection	A	C16A	C16A	C16A	C16A
	Maximum consumption, B0W35	kW/A	5.8/8.4	5.8/8.4	5.8/8.4	5.8/8.4
	Maximum consumption, B0W55	kW/A	8.5/12.2	8.5/12.2	8.5/12.2	8.5/12.2
	Starting current	A	3.7	3.7	3.7	3.7
	Correction of cosine φ	-	0.96-1	0.96-1	0.96-1	0.96-1
Dimensions	Height x width x depth	mm	1060x600x710	1060x600x710	1060x600x710	1060x600x710
	No-load weight with desuperheater	kg	185	193	185	193

