

Heat Pumps ecoGEO_Basic 3-12

		B1 3-12	B2 3-12	B3 3-12	B4 3-12	
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	3 to 14.3	3 to 14.3	3 to 14.3	3 to 14.3
	COP, B0W35 max.	-	4.6	4.6	4.6	4.6
	Active cooling power, B35W7	kW			4 to 16	4 to 16
	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 45	35 to 45	35 to 45	35 to 45
	Energy Label/ η_s with average temperature control			A+++ / 187%		
Working fluids	Heating outlet temperature	°C	20 to 60	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
	Refrigerant type / load	kg	R410A/1.35	R410A/1.35	R410A/1.50	R410A/1.50
	Compressor oil type / load	kg	POE/1.18	POE/1.18	POE/1.18	POE/1.18
Electrical data: Single phase	1/N/PE 230 V / 50 Hz	-	✓	✓	✓	✓
	Maximum recommended external protection	A	C25A	C25A	C25A	C25A
	Maximum consumption, B0W35	kW/A	3.3/14.4	3.3/14.4	3.3/14.4	3.3/14.4
	Maximum consumption, B0W55	kW/A	5.1/22.4	5.1/22.4	5.1/22.4	5.1/22.4
	Starting current	A	6.8	6.8	6.8	6.8
	Correction of cosine φ	-	0.96-1	0.96-1	0.96-1	0.96-1
Dimensions and weight	Height x width x depth	mm	1060x600x710	1060x600x710	1060x600x710	1060x600x710
	No-load weight with desuperheater	kg	185	193	185	193

