

Heat Pumps ecoGEO_HP 12-40

		HP1 12-40	HP3 12-40	
Applications	Heating, DHW with external storage tank and pool	✓	✓	
	Integrated active cooling		✓	
	Passive outdoor cooling control	✓	✓	
Performance	Compressor range of modulation	%	25 to 100	25 to 100
	Heating power, B0W35	kW	10.7 to 44.6	10.7 to 44.6
	COP, B0W35 max.	-	4.6	4.6
	Active cooling power, B35W7	kW		12.1 to 49.0
	EER, B35W7 max.	-	5	5
	Maximum unassisted stored DHW temperature	°C	60	60
	Maximum assisted storage temperature	°C	70	70
	Noise emission level	db	43 to 58	43 to 58
	Energy Label/ η_s with average temperature control		A+++ /	187%
Operation limits	Heating outlet temperature	°C	20 to 60	20 to 60
	Cooling outlet temperature	°C	-20 to 35	-20 to 35
	Brine inlet temperature	°C	-20 to 35	-20 to +35
	Cooling circuit pressure	bar	2 to 45	2 to 45
	Production circuit pressure	bar	0.5 to 3	0.5 to 3
	Brine circuit pressure	bar	0.5 to 3	0.5 to 3
Working fluids	Refrigerant type / load	kg	R410A/4.0	R410A/4.2
	Compressor oil type / load	kg	POE/3.3	POE/3.3
	Antifreeze agent recommended for the brine circuit	-	Propylene glycol	Propylene glycol
	Brine nominal flow, B0W35($\Delta T = 3^\circ C$)	l/h	2405 to 9830	2405 to 9830
	Production nominal flow, B0W35 ($\Delta T = 5^\circ C$)	l/h	1845 to 7685	1845 to 7685
Electrical data: Three-phase	3/N/PE 400 V / 50 Hz	-	✓	✓
	Maximum recommended external protection	A	C25A	C25A
	Maximum consumption, B0W35	kW/A	10,9/17.7	10.9/17.7
	Maximum consumption, B0W55	kW/A	15.5/24.6	15.5/24.6
	Starting current	A	9.8	9.8
	Correction of cosine ϕ	-	0.96-1	0.96-1
Dimensions and weight	Height x width x depth	mm	1000x950x900	1000x950x900
	No-load weight	Kg	280	285



Heat Pumps ecoGEO_HP 15-70

		Units	HP1 15-70	HP3 15-70
Applications	Heating, DHW with external storage tank and pool		✓	✓
	Integrated active cooling			✓
	Passive outdoor cooling control		✓	✓
Performance	Compressor range of modulation	%	25 to 100	25 to 100
	Heating power, B0W35	kW	17.1 to 59.6	17.1 to 59.6
	COP, B0W35 max.	-	4,5	4.5
	Active cooling power, B35W7	kW		19.6 to 65.8
	EER, B35W7 max.	-		5
	Maximum unassisted stored DHW temperature	°C	60	60
	Maximum assisted storage temperature	°C	70	70
	Noise emission level	db	45 to 62	45 to 62
	Energy Label/ η_s with average temperature control		A+++ / 192%	
	Operation limits	Heating outlet temperature	°C	20 to 60
Cooling outlet temperature		°C	-20 to 35	-20 to 35
Brine inlet temperature		°C	-20 to 35	-20 to +35
Cooling circuit pressure		bar	2 to 45	2 to 45
Production circuit pressure		bar	0.5 to 3	0.5 to 3
Brine circuit pressure		bar	0.5 to 3	0.5 to 3
Working fluids	Refrigerant type / load	kg	R410A/4.7	R410A/5.5
	Compressor oil type / load	kg	POE/3.6	POE/3.6
	Antifreeze agent recommended for the brine circuit	-	Propylene glycol Propylene glycol	
	Brine nominal flow, B0W35($\Delta T = 3^\circ C$)	l/h	3230 to 13195	3230 to 13195
	Production nominal flow, B0W35($\Delta T = 5^\circ C$)	l/h	2465 to 10265	2465 to 10265
Electrical data: Three-phase	3/N/PE 400 V / 50 Hz	-	✓	✓
	Maximum recommended external protection	A	C40A	C40A
	Maximum consumption, B0W35	kW/A	14.3/23.2	14.3/23.2
	Maximum consumption, B0W55	kW/A	20.4/32.3	20.4/32.3
	Starting current	A	12.8	12.8
	Correction of cosine ϕ	-	0.96-1	0.96-1
Dimensions and weight	Height x width x depth	mm	1000x950x900	1000x950x900
	No-load weight	kg	320	325



Heat Pumps ecoGEO_HP 25-100

			HP1 25-100	HP3 25-100
Application	Heating, DHW with external storage tank and pool		✓	✓
	Integrated active cooling			✓
	Passive outdoor cooling control		✓	✓
Performance	Compressor range of modulation	%	25 to 100	25 to 100
	Heating power, B0W35	kW	21.1 to 86.7	21.1 to 86.7
	COP, B0W35 max.	-	4.5	4.5
	Active cooling power, B35W7	kW		28.3 to 116.9
	EER, B35W7 max.	-		5.2
	Maximum unassisted stored DHW temperature	°C	60	60
	Maximum assisted storage temperature	°C	70	70
	Noise emission level	db	47 to 65	47 to 65
	Energy Label/ η_s with average temperature control			Pending
Operation limits	Heating outlet temperature	°C	20 to 60	20 to 60
	Cooling outlet temperature	°C	-20 to 35	-20 to 35
	Brine inlet temperature	°C	-20 to 35	-20 to +35
	Cooling circuit pressure	bar	2 to 45	2 to 45
	Production circuit pressure	bar	0.5 to 3	0.5 to 3
	Brine circuit pressure	bar	0.5 to 3	0.5 to 3
Working fluids	Refrigerant type / load	kg	R410A/8.5	R410A/9.1
	Compressor oil type / load	kg	POE/6.7	POE/6.7
	Antifreeze agent recommended for the brine circuit	-	Propylene glycol	Propylene glycol
	Brine nominal flow, B0W35 ($\Delta T = 3\text{ °C}$)	l/h	4765 to 19360	4765 to 19360
	Production nominal flow, B0W35 ($\Delta T = 5\text{ °C}$)	l/h	3625 to 14935	3625 to 14935
Electrical data: Three-phase	3/N/PE 400 V / 50 Hz	-	✓	✓
	Maximum recommended external protection	A	C50A	C50A
	Maximum consumption, B0W35	kW/A	20.3/31.8	20.3/31.8
	Maximum consumption, B0W55	kW/A	29.6/45.1	29.6/45.1
	Starting current	A	15.7	15.7
	Correction of cosine ϕ	-	0.96-1	0.96-1
Dimensions and weight	Height x width x depth	mm	1000x950x900	1000x950x900
	No-load weight	kg	350	355

