

Ecodesign - Product Information - Average Climate							
Models:	Outdoor Unit: -		Indoor Unit: ecoGEO HP 400 12-45		R410A		
Brine/Water heat pump:	Yes	Capacity control:	Variable	Low temperature heat pump:	No	Equipped with supplementary heater:	No
Applied standards: EN 14511, EN 12102, EN 14825 and EN 16147						Heat pump combination heater:	No

Space Heating Low Temperature Application: 35°C						Space Heating Medium Temperature Application: 55°C					
Seasonal space heating energy efficiency (EN14825):			187%			Seasonal space heating energy efficiency (EN14825):			140%		
Seasonal space heating energy efficiency class:			A+++			Seasonal space heating energy efficiency class:			A++		
Prated / SCOP (EN 14825):			42 kW / 4,88			Prated / SCOP (EN 14825):			35 kW / 3,71		
Heat output / COP (EN 14511):			40,49 kW / 3,64			Heat output / COP (EN 14511):			34,87 kW / 2,45		
Sound power level indoors / outdoors (Lwa) (EN 12102):			58 / - dB(A)			Sound power level indoors / outdoors (Lwa) (EN 12102):			58 / - dB(A)		
Declared Capacity and coefficient of performance for part load at outdoor temperature Tj. Variable sink outlet temp (EN 14825)											
Condition	Tj [°C]	Pdh [kW]	COPd [-]	Cdh [-]		Condition	Tj [°C]	Pdh [kW]	COPd [-]	Cdh [-]	
A	-7	36,95	3,84	0,90		A	-7	30,60	2,69	0,90	
B	2	22,63	4,83	0,90		B	2	18,50	3,70	0,90	
C	7	14,48	5,63	0,90		C	7	13,68	4,41	0,90	
D	12	11,43	6,29	0,90		D	12	11,25	5,28	0,9	
E	Tdesignh	40,49	3,64	0,90		E	Tdesignh	34,87	2,45	0,90	
F	Tbiv	40,49	3,64	0,90		F	Tbiv	34,87	2,45	0,90	
Annual energy consumption (QHE):			17764 kWh			Annual energy consumption (QHE):			19503 kWh		
Tdesignh:		-10°C	Tbiv:		-10°C	TOL:		-10°C	Heating water operating limit (WTOL):		60°C
Supplement.heat output 35/55°C (Psup):			- / - kW		Type of supplementary energy input:			Electrical		Rated brine flow rate 35/55°C: 8 / 6 m³/h	
Power consumption in modes other than active mode											
Off mode (Poff):		20 W	Thermostat-off mode (Pto):		20 W	Standby mode (Psb):		20 W	Crankcase heater mode (Pck):		0 W
Domestic Hot Water (EN 16147)											
Declared load profile:		-		Efficiency ηDHW:		-		Reference hot water temperature:		-	
Stand-by power input (Pes):		-		Rated heat output (Prated):		-		Rated volume of the tank:		-	
COPDHW:		-		Heating up time:		-		Max. volume of mixed water at 40°C:		-	
Daily elec. energy consumption (Qelec):		-		Annual energy consumption (AEC):		-		Stand-by heat losses:		-	