

Ecodesign - Product Information - Average Climate							
Models:	Outdoor Unit: -		Indoor Unit: ecoGEO HP 400 15-60		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):			196%			Seasonal space heating energy efficiency (EN14825):			144%			
Seasonal space heating energy efficiency class:			A+++			Seasonal space heating energy efficiency class:			A++			
Prated / SCOP (EN 14825):			55 kW / 5,10			Prated / SCOP (EN 14825):			51 kW / 3,81			
Heat output / COP (EN 14511):			54,74 kW / 3,69			Heat output / COP (EN 14511):			51,11 kW /2,50			
Sound power level indoors / outdoors (Lwa) (EN 12102):			62 / - dB(A)			Sound power level indoors / outdoors (Lwa) (EN 12102):			62 / - 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	47,55	3,97	0,90		A	-7	44,46	2,73	0,90		
B	2	29,73	5,03	0,90		B	2	27,08	3,76	0,90		
C	7	18,52	6,01	0,90		C	7	17,41	4,62	0,90		
D	12	18,69	6,62	0,90		D	12	18,35	5,49	0,9		
E	Tdesignh	54,74	3,69	0,90		E	Tdesignh	51,11	2,50	0,90		
F	Tbiv	54,74	3,69	0,90		F	Tbiv	51,11	2,50	0,90		
Annual energy consumption (QHE):			22265 kWh			Annual energy consumption (QHE):			27647 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:	
											11 / 10 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:		-		