

Ecodesign - Product Information - Average Climate							
Models:	Outdoor Unit: -		Indoor Unit: ecoGEO HP 400 170		R454B		
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):			200%			Seasonal space heating energy efficiency (EN14825):			151%			
Seasonal space heating energy efficiency class:			A+++			Seasonal space heating energy efficiency class:			A+++			
Prated / SCOP (EN 14825):			85 kW / 5,21			Prated / SCOP (EN 14825):			80 kW / 3,98			
Heat output / COP (EN 14511):			76,63 kW / 4,08			Heat output / COP (EN 14511):			72,14 kW /2,71			
Sound power level indoors / outdoors (Lwa) (EN 12102):			65 / - dB(A)			Sound power level indoors / outdoors (Lwa) (EN 12102):			65 / - 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	76,84	4,16	0,90		A	-7	70,55	2,9	0,90		
B	2	46,18	5,09	0,90		B	2	43,10	3,86	0,90		
C	7	29,88	5,92	0,90		C	7	27,51	4,81	0,90		
D	12	21,92	6,71	0,90		D	12	51,52	5,57	0,9		
E	Tdesignh	76,63	4,08	0,90		E	Tdesignh	72,14	2,71	0,90		
F	Tbiv	76,63	4,08	0,90		F	Tbiv	72,14	2,71	0,90		
Annual energy consumption (QHE):			33738 kWh			Annual energy consumption (QHE):			41574 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:	
											17 / 13 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:		-		