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Login

Summary of	S18L-M-CC	Reg. No.	011-1W0479
Certificate Holder			
Name	Heliotherm GmbH		
Address	Sportplatzweg 18	Zip	A-6336
City	Langkampfen	Country	Austria
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	S18L-M-CC		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	8 kg		
Certification Date	14.12.2017		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

Model: HELIOTHERM - Luft/Wasserwärmepumpe modulierend Baureihe Sensor Comfort Compact

Configure model	
Model name	HELIOTHERM - Luft/Wasserwärmepumpe modulierend Baureihe Sensor Comfort Compact
Application	Heating (low temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	17.55 kW
El input	3.50 kW
COP	5.01

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	51 dB(A)

EN 14825	
	Low temperature
η_s	247 %
Prated	18.00 kW
SCOP	6.25
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	18.04 kW
COP Tj = +2°C	4.18
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	11.30 kW
COP Tj = +7°C	5.87
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	7.33 kW
COP Tj = 12°C	7.03
Cdh Tj = +12 °C	0.990

Pdh Tj = Tbiv	18.04 kW
COP Tj = Tbiv	4.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990
WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	4032 kWh

Colder Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	51 dB(A)

EN 14825	
	Low temperature

η_s	166 %
Prated	18.00 kW
SCOP	4.64
Tbiv	-18 °C
TOL	-22 °C
Pdh Tj = -7°C	10.98 kW
COP Tj = -7°C	3.52
Cdh Tj = -7 °C	0.990
Pdh Tj = +2°C	6.83 kW
COP Tj = +2°C	5.25
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	6.26 kW
COP Tj = +7°C	5.84
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	7.52 kW
COP Tj = 12°C	7.26
Cdh Tj = +12 °C	0.990
Pdh Tj = Tbiv	16.52 kW
COP Tj = Tbiv	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.81

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990
WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	4.23 kW
Annual energy consumption Qhe	8147 kWh
Pdh Tj = -15°C (if TOL<-20°C)	14.48
COP Tj = -15°C (if TOL<-20°C)	2.42
Cdh Tj = -15 °C	0.990

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	51 dB(A)

EN 14825	
	Low temperature
η_s	195 %

Prated	18.00 kW
SCOP	4.96
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	15.86 kW
COP Tj = -7°C	3.04
Cdh Tj = -7 °C	0.990
Pdh Tj = +2°C	9.02 kW
COP Tj = +2°C	4.97
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	6.80 kW
COP Tj = +7°C	6.32
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	7.97 kW
COP Tj = 12°C	7.28
Cdh Tj = +12 °C	0.990
Pdh Tj = Tbiv	18.11 kW
COP Tj = Tbiv	2.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990

WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	7500 kWh