Login

Summary of	HP08L-M-BC	Reg. No.	011-1W0203
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	HP08L-M-BC		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	7.4 kg		
Certification Date	14.12.2017		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

Model: HELIOTHERM - Luft-/Wasserwärmepumpe in Splittbauweise modulierend Baureihe Basic Comfort

Configure model	
Model name	HELIOTHERM - Luft-/Wasserwärmepumpe in Splittbauweise modulierend Baureihe Basic Comfort
Application	Heating (low temp)
Units	Indoor + 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	10.22 kW
El input	1.92 kW
COP	5.33

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 indoor	40 dB(A)
Sound power level outdoor	40 dB(A)

EN 14825	
	Low temperature
η_s	241 %
Prated	10.00 kW
SCOP	6.10
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	10.03 kW
COP Tj = +2°C	4.36

Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	6.45 kW
COP Tj = +7°C	5.96
Cdh Tj = +7 °C	0.990
Pdh Tj = 12°C	4.63 kW
COP Tj = 12°C	6.62
Cdh Tj = +12 °C	0.990
Pdh Tj = Tbiv	10.03 kW
COP Tj = Tbiv	4.36
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.03 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.36
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	2295 kWh

Colder Climate

EN 12102-1	
	Low temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	40 dB(A)

EN 14825	
	Low temperature
η_s	167 %
Prated	10.00 kW
SCOP	4.25
Tbiv	-18 °C
TOL	-22 °C
Pdh Tj = -7°C	6.20 kW
COP Tj = -7°C	3.83
Cdh Tj = -7 °C	0.990
Pdh Tj = +2°C	3.77 kW
COP Tj = +2°C	5.05
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	3.90 kW
COP Tj = +7°C	5.59
Cdh Tj = +7 °C	0.990

Pdh Tj = 12°C	4.69 kW
COP Tj = 12°C	6.68
Cdh Tj = +12 °C	0.990
Pdh Tj = Tbiv	8.91 kW
COP Tj = Tbiv	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.84 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.38
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	2.16 kW
Annual energy consumption Qhe	4941 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.22
COP Tj = -15°C (if TOL<-20°C)	2.49
Cdh Tj = -15 °C	0.990

Average Climate

EN 12102-1	
	Low temperature
Sound power level indoor	40 dB(A)
Sound power level outdoor	40 dB(A)

EN 14825	
	Low temperature
η_s	185 %
Prated	10.00 kW
SCOP	4.71
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	8.84 kW
COP Tj = -7°C	2.84
Cdh Tj = -7 °C	0.990
Pdh Tj = +2°C	5.50 kW
COP Tj = +2°C	4.78
Cdh Tj = +2 °C	0.990
Pdh Tj = +7°C	5.97 kW
COP Tj = +7°C	5.93
Cdh Tj = +7 °C	0.990

Pdh Tj = 12°C	6.74 kW
COP Tj = 12°C	7.38
Cdh Tj = +12 °C	0.990
Pdh Tj = Tbiv	10.20 kW
COP Tj = Tbiv	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.31
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	4400 kWh