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Summary of	HP08L-M-BC / S08L-M-CC	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 / S08L-M-CC		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	4.9 kg		

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

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2	
	Low temperature
Heat output	10.22 kW
El input	1.92 kW
COP	5.33

Average Climate

EN 14825	
	Low temperature
η_s	185 %

Prated	10.00 kW
SCOP	4.71
Tbiv	-18 °C
TOL	-25 °C
Pdh Tj = -7°C	8.84 kW
COP Tj = -7°C	2.84
Pdh Tj = +2°C	5.50 kW
COP Tj = +2°C	4.78
Pdh Tj = +7°C	5.97 kW
COP Tj = +7°C	5.93
Pdh Tj = 12°C	6.74 kW
COP Tj = 12°C	7.38
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	0.01
WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W

PCK	6 W
Supplementary Heater: Type of energy input	Elektrizitat
Supplementary Heater: PSUP	6.00 kW
Annual energy consumption Qhe	2972 kWh

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

Warmer Climate

EN 14825	
	Low temperature
η_s	241 %
Prated	10.00 kW
SCOP	6.10
Tbiv	-18 °C
TOL	-25 °C
Pdh Tj = +2°C	10.03 kW
COP Tj = +2°C	4.36
Pdh Tj = +7°C	6.45 kW
COP Tj = +7°C	5.96

Pdh Tj = 12°C	4.63 kW
COP Tj = 12°C	6.62
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	0.01
WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Elektrizität
Supplementary Heater: PSUP	6.00 kW
Annual energy consumption Qhe	2295 kWh

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

Colder Climate

EN 14825

	Low temperature
η_s	167 %
Prated	10.00 kW
SCOP	4.25
Tbiv	-18 °C
TOL	-25 °C
Pdh Tj = -7°C	6.20 kW
COP Tj = -7°C	3.83
Pdh Tj = +2°C	3.77 kW
COP Tj = +2°C	5.05
Pdh Tj = +7°C	3.90 kW
COP Tj = +7°C	5.59
Pdh Tj = 12°C	4.69 kW
COP Tj = 12°C	6.68
Pdh Tj = Tbiv	6.93 kW
COP Tj = Tbiv	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.24
Cdh	0.01
WTOL	62 °C

Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Elektrizität
Supplementary Heater: PSUP	6.00 kW
Annual energy consumption Qhe	4941 kWh

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

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

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2	
	Low temperature
Heat output	6.87 kW
El input	1.36 kW
COP	5.05

Average Climate

EN 12102-1	
	Low temperature
Sound power level indoor	41 dB(A)

EN 14825

	Low temperature
η_s	177 %
Prated	10.00 kW
SCOP	4.49
Tbiv	-18 °C
TOL	-25 °C
Pdh Tj = -7°C	8.80 kW
COP Tj = -7°C	2.70
Pdh Tj = +2°C	5.47 kW
COP Tj = +2°C	4.55
Pdh Tj = +7°C	5.94 kW
COP Tj = +7°C	5.65
Pdh Tj = 12°C	6.71 kW
COP Tj = 12°C	7.03
Pdh Tj = Tbiv	10.15 kW
COP Tj = Tbiv	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20
Cdh	0.01
WTOL	62 °C

Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Elektrizität
Supplementary Heater: PSUP	6.00 kW
Annual energy consumption Qhe	3118 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	41 dB(A)

EN 14825	
	Low temperature
η_s	230 %
Prated	10.00 kW
SCOP	5.82
Tbiv	-18 °C
TOL	-25 °C
Pdh Tj = +2°C	9.98 kW

COP Tj = +2°C	4.15
Pdh Tj = +7°C	6.42 kW
COP Tj = +7°C	5.68
Pdh Tj = 12°C	4.61 kW
COP Tj = 12°C	6.30
Pdh Tj = Tbiv	9.98 kW
COP Tj = Tbiv	4.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.98 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15
Cdh	0.01
WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Elektrizität
Supplementary Heater: PSUP	6.00 kW
Annual energy consumption Qhe	2405 kWh

Colder Climate

EN 12102-1	
	Low temperature
Sound power level indoor	41 dB(A)

EN 14825	
	Low temperature
η_s	159 %
Prated	10.00 kW
SCOP	4.05
Tbiv	-18 °C
TOL	-25 °C
Pdh Tj = -7°C	6.17 kW
COP Tj = -7°C	3.65
Pdh Tj = +2°C	3.75 kW
COP Tj = +2°C	4.81
Pdh Tj = +7°C	3.88 kW
COP Tj = +7°C	5.32
Pdh Tj = 12°C	4.67 kW
COP Tj = 12°C	6.36
Pdh Tj = Tbiv	5.77 kW
COP Tj = Tbiv	1.78

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.29 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.17
Cdh	0.01
WTOL	62 °C
Poff	1 W
PTO	7 W
PSB	7 W
PCK	6 W
Supplementary Heater: Type of energy input	Elektrizität
Supplementary Heater: PSUP	6.00 kW
Annual energy consumption Qhe	5185 kWh