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Login

Summary of	AEROTOP L 065 079 088	Reg. No.	ICIM-PDC-000099-00
Certificate Holder			
Name	ELCO GmbH		
Address	Hohenzollernstrasse 31	Zip	72379
City	Hechingen	Country	Germany
Certification Body	ICIM S.p.A.		
Subtype title	AEROTOP L 065 079 088		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	21 kg		
Certification Date	30.03.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

Model: AEROTOP L 065

Configure model	
Model name	AEROTOP L 065
Application	Heating (low temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	65.00 kW
El input	40.10 kW
COP	4.29

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

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	84 dB(A)

EN 14825	
	Low temperature
η_s	160 %
Prated	53.00 kW
SCOP	4.08
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	44.70 kW
COP Tj = -7°C	2.84
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	27.50 kW
COP Tj = +2°C	4.19
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	29.40 kW
COP Tj = +7°C	5.18
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	35.10 kW

COP Tj = 12°C	6.69
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	44.70 kW
COP Tj = Tbiv	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	40.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53
WTOL	55 °C
Poff	116 W
PTO	280 W
PSB	116 W
PCK	116 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	0 kWh

Model: AEROTOP L 079

Configure model	
Model name	AEROTOP L 079
Application	Heating (low temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	79.10 kW
El input	40.10 kW
COP	4.17

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

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	85 dB(A)

EN 14825	
	Low temperature
η_s	160 %
Prated	57.00 kW
SCOP	4.07
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	50.00 kW
COP Tj = -7°C	2.78
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	29.20 kW
COP Tj = +2°C	4.11
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	30.40 kW
COP Tj = +7°C	5.29
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	35.50 kW

COP Tj = 12°C	6.70
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	50.00 kW
COP Tj = Tbiv	2.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	45.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55
WTOL	55 °C
Poff	116 W
PTO	280 W
PSB	116 W
PCK	116 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	0 kWh

Model: AEROTOP L 088

Configure model	
Model name	AEROTOP L 088
Application	Heating (low temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	88.00 kW
El input	40.10 kW
COP	4.15

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

Average Climate

EN 12102-1	
	Low temperature
Sound power level outdoor	85 dB(A)

EN 14825	
	Low temperature
η_s	159 %
Prated	80.00 kW
SCOP	4.06
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	71.00 kW
COP Tj = -7°C	2.54
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	45.00 kW
COP Tj = +2°C	4.23
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	30.80 kW
COP Tj = +7°C	4.85
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	35.90 kW

COP Tj = 12°C	6.84
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	71.00 kW
COP Tj = Tbiv	2.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	69.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30
WTOL	55 °C
Poff	116 W
PTO	280 W
PSB	116 W
PCK	116 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	0 kWh