

Subtype AEROTOP L 065 079 088	
Certificate Holder	ELCO GmbH
Address	Hohenzollernstrasse 31
ZIP	72379
City	Hechingen
Country	DE
Certification Body	ICIM S.p.A.
Subtype title	AEROTOP L 065 079 088
Registration number	ICIM-PDC-000099-00
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		
Model name	AEROTOP L 065	
Application	Heating (low temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4   Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 12102-1   Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	84 dB(A)	
EN 14825   Average Climate		
	Low temperature	Medium temperature
ης	160 %	
Prated	53.00 kW	
SCOP	4.08	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh $Tj = -7$ °C	44.70 kW	
$COP Tj = -7^{\circ}C$	2.84	
Cdh Tj = $-7$ °C	0.90	
$Pdh Tj = +2^{\circ}C$	27.50 kW	
$COP Tj = +2^{\circ}C$	4.19	
Cdh Tj = +2 °C	0.90	
Pdh Tj = $+7^{\circ}$ C	29.40 kW	
$COP Tj = +7^{\circ}C$	5.18	
Cdh Tj = +7 °C	0.90	
Pdh Tj = 12°C	35.10 kW	
$COP Tj = 12^{\circ}C$	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



AEROTOP L 079	
Heating (low temp)	
Outdoor	
n/a	
Yes	
n/a	
n/a	
3x400V 50Hz	
n/a	
•	
•	
·	
passed	
Low temperature	Medium temperature
85 dB(A)	
	Medium temperature
4.11	
0.00	
0.90 30.40 kW	
30.40 kW	
30.40 kW 5.29	
30.40 kW 5.29 0.90	
30.40 kW 5.29 0.90 35.50 kW	
30.40 kW 5.29 0.90 35.50 kW 6.70	
30.40 kW 5.29 0.90 35.50 kW	
	Heating (low temp) Outdoor n/a Yes n/a n/a 3x400V 50Hz n/a  passed passed passed passed passed passed Low temperature



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		
Model name	AEROTOP L 088	
Application	Heating (low temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	n/a	
Outdoor Air/Motor		
Outdoor Air/Water		
EN 14511-4   Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 12102 1   Average Climate		
EN 12102-1   Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	85 dB(A)	
	85 dB(A)	
Sound power level outdoor  EN 14825   Average Climate		Madianakananan
EN 14825   Average Climate	Low temperature	Medium temperature
EN 14825   Average Climate	Low temperature 159 %	Medium temperature
EN 14825   Average Climate ηs Prated	Low temperature 159 % 80.00 kW	Medium temperature
EN 14825   Average Climate ηs Prated SCOP	Low temperature 159 % 80.00 kW 4.06	Medium temperature
EN 14825   Average Climate  ηs Prated SCOP Tbiv	Low temperature 159 % 80.00 kW 4.06 -7 °C	Medium temperature
ηs Prated SCOP Tbiv TOL	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW	Medium temperature
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW 4.23 0.90	Medium temperature
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Pdh Tj = +2°C Pdh Tj = +2°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW 4.23 0.90 30.80 kW	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C COP Tj = +2°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW 4.23 0.90 30.80 kW 4.85	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C Cdh Tj = +7°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW 4.23 0.90 30.80 kW 4.85 0.90	Medium temperature
ns Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Chh Tj = +2°C COP Tj = +2°C Chh Tj = +7°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW 4.23 0.90 30.80 kW 4.85 0.90 35.90 kW	Medium temperature
ης Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C Pdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = 12°C COP Tj = 12°C	Low temperature 159 % 80.00 kW 4.06 -7 °C -10 °C 71.00 kW 2.54 0.90 45.00 kW 4.23 0.90 30.80 kW 4.85 0.90 35.90 kW 6.84	Medium temperature



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