

Page 1 of 4

This information was generated by the HP KEYMARK database on 18 Mar 2022

Summary of	AEROTOP M 048	Reg. No.	ICIM-PDC-000097-00	
Certificate Holder				
Name	ELCO GmbH			
Address	Hohenzollernstrasse 31	Zip	72379	
City	Hechingen	Country	Germany	
Certification Body	ICIM S.p.A.			
Subtype title	AEROTOP M 048			
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R32			
Mass of Refrigerant	14 kg			
Certification Date	30.03.2021			
Testing basis	HP KEYMARK certification scheme rules rev. no. 7			



This information was generated by the HP KEYMARK database on 18 Mar 2022

Model: AEROTOP M 048

Configure model			
Model name	AEROTOP M 048		
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 14511-4			
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Defrost test	passed		

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	48.60 kW	4.80 kW	
El input	12.12 kW	1.90 kW	
СОР	4.01	2.53	

Average Climate



This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	84 dB(A)	64 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	154 %	129 %	
Prated	31.00 kW	7.00 kW	
SCOP	3.91	3.30	
Tbiv	-10 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	27.80 kW	5.90 kW	
COP Tj = -7°C	2.72	2.00	
Cdh Tj = -7 °C	0.90		
Pdh Tj = +2°C	16.90 kW	3.70 kW	
COP Tj = +2°C	3.85	3.18	
Cdh Tj = +2 °C	0.90		
Pdh Tj = +7°C	10.90 kW	2.50 kW	
COP Tj = +7°C	4.90	4.52	
Cdh Tj = +7 °C	0.90		
Pdh Tj = 12°C	14.20 kW	1.10 kW	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 4 of 4 This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	6.02	5.09
Cdh Tj = +12 °C	0.90	
Pdh Tj = Tbiv	31.40 kW	5.90 kW
COP Tj = Tbiv	2.42	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	31.40 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.42	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	54 °C	49 °C
Poff	30 W	16 W
РТО	404 W	16 W
PSB	30 W	16 W
PCK	o w	34 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	16591 kWh	4202 kWh