

Subtype ACP04

Certificate Holder	Climer
Address	Carr. Córdoba - Málaga, Km. 77
ZIP	14900
City	Córdoba
Country	ES
Certification Body	ICIM S.p.A.
Subtype title	ACP04
Registration number	ICIM-PDC-000200
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	30.08.2023
Testing basis	V9

Model ACP04		
Model name	ACP04	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	
Any additional heat sources	n/a	
Phase-out Date	30.10.2025	
General data		
Power supply	1x230V 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 14511-2 Heating		
	Low temperature	Medium temperature
Heat output	4.76 kW	4.53 kW
El input	1.00 kW	1.54 kW
COP	4.76	2.94
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.37 kW	
Cooling capacity	4.33	
EER	3.16	
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	179 %	135 %
Prated	4.00 kW	4.00 kW
SCOP	4.56	3.45
Tbiv	-7 °C	-7 °C

TOL	-20 °C	-15 °C
Pdh Tj = -7°C	3.90 kW	3.90 kW
COP Tj = -7°C	3.01	2.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.40 kW	2.40 kW
COP Tj = +2°C	4.53	3.32
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	5.57	4.35
Cdh Tj = +7 °C	0.969	0.976
Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.01	6.01
Cdh Tj = +12 °C	0.963	0.969
Pdh Tj = Tbiv	3.90 kW	3.90 kW
COP Tj = Tbiv	3.01	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.80 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	2.06
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	19 W	19 W
PTO	22 W	22 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.20 kW	0.10 kW
Annual energy consumption Qhe	1988 kWh	2624 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.33 kW	
SEER	4.28	
Pdc Tj = 35°C	4.33 kW	
EER Tj = 35°C	3.16	
Pdc Tj = 30°C	3.16 kW	
EER Tj = 30°C	3.85	
Cdc Tj = 30 °C	1.000	
Pdc Tj = 25°C	2.67 kW	
EER Tj = 25°C	4.85	
Cdc Tj = 25 °C	1.000	
Pdc Tj = 20°C	2.98 kW	
EER Tj = 20°C	6.34	
Cdc Tj = 20 °C	1.000	
Poff	19 W	

PTO	0 W
PSB	19 W
PCK	30 W
Annual energy consumption Qce	606 kWh