

Subtype ACPMH28/32

Certificate Holder	Climer
Address	Carr. Córdoba - Málaga, Km. 77
ZIP	14900
City	Córdoba
Country	ES
Certification Body	ICIM S.p.A.
Subtype title	ACPMH28/32
Registration number	ICIM-PDC-000206
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	5.1 kg
Certification Date	30.08.2023
Testing basis	V9

Model ACPMH28

Model name	ACPMH28
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

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	67 dB(A)	67 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	169 %	126 %
Prated	25.00 kW	24.00 kW
SCOP	4.29	3.23
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	21.70 kW	20.80 kW
COP Tj = -7°C	2.68	1.93
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	13.20 kW	12.80 kW
COP Tj = +2°C	4.26	3.20
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	11.90 kW	11.50 kW
COP Tj = +7°C	5.39	4.10
Cdh Tj = +7 °C	0.993	0.995
Pdh Tj = 12°C	13.70 kW	13.50 kW
COP Tj = 12°C	7.06	5.77
Cdh Tj = +12 °C	0.992	0.993
Pdh Tj = Tbiv	21.70 kW	20.80 kW
COP Tj = Tbiv	2.68	1.93

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.30 kW	18.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.73
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	5.70 kW	5.20 kW
Annual energy consumption Qhe	11823 kWh	15056 kWh

Model ACPMH32

Model name	ACPMH32
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

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	67 dB(A)	67 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	158 %	122 %
Prated	24.00 kW	25.00 kW
SCOP	4.02	3.14
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	21.30 kW	21.70 kW
COP Tj = -7°C	2.57	1.90
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	13.00 kW	13.30 kW
COP Tj = +2°C	3.94	3.09
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	11.60 kW	11.90 kW
COP Tj = +7°C	5.03	3.96
Cdh Tj = +7 °C	0.993	0.995
Pdh Tj = 12°C	13.50 kW	14.00 kW
COP Tj = 12°C	6.96	5.51
Cdh Tj = +12 °C	0.992	0.994
Pdh Tj = Tbiv	21.30 kW	21.70 kW
COP Tj = Tbiv	2.57	1.90

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	18.80 kW	19.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.29	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	5.20 kW	5.50 kW
Annual energy consumption Qhe	12369 kWh	16150 kWh