

Subtype HITECSA PBM3-i 40

Certificate Holder	HIPLUS AIRE ACONDICIONADO SL
Address	Calle Masía Torrents 2
ZIP	08800
City	Vilanova i la Geltrú (Barcelona)
Country	ES
Certification Body	Kiwa Nederland B.V.
Subtype title	HITECSA PBM3-i 40
Registration number	007-DP0195
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	5.6 kg
Certification Date	09.04.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v14)

**Model PBM3-i 40**

Model name	PBM3-i 40
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°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 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	40.20 kW	29.00 kW
El input	9.50 kW	9.67 kW
COP	4.30	3.00

**EN 14511-2 | Cooling**

	+7°C/+12°C	+18°C/+23°C
El input	9.75 kW	8.84 kW
Cooling capacity	30.60	37.70
EER	3.10	4.26

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
ηs	189 %	142 %
Prated	30.00 kW	23.70 kW
SCOP	4.80	3.61
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	26.20 kW	20.50 kW
COP Tj = -7°C	2.75	2.15
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	16.59 kW	12.52 kW
COP Tj = +2°C	5.00	3.77
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	10.34 kW	8.39 kW
COP Tj = +7°C	6.28	4.50
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	10.40 kW	9.77 kW
COP Tj = 12°C	8.34	6.85
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	24.20 kW	18.73 kW
COP Tj = Tbiv	2.99	2.32
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	29.12 kW	22.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.46	1.83
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	0 W	0 W
PTO	58 W	58 W
PSB	58 W	58 W
PCK	60 W	60 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.88 kW	0.90 kW
Annual energy consumption Qhe	13545 kWh	13692 kWh

### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	30.60 kW	37.70 kW
SEER	5.18	6.61
Pdc Tj = 35°C	30.60 kW	37.70 kW
EER Tj = 35°C	3.10	4.26
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	22.20 kW	27.70 kW
EER Tj = 30°C	4.37	5.51
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	14.20 kW	16.85 kW
EER Tj = 25°C	5.85	7.17
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	8.82 kW	9.44 kW
EER Tj = 20°C	7.43	9.67
Cdc Tj = 20 °C	0.900	0.900
Poff	0 W	0 W

PTO	58 W	58 W
PSB	58 W	58 W
PCK	60 W	60 W
Annual energy consumption Qce	18360 kWh	22620 kWh

**Model PBM3-i 40 PS**

Model name	PBM3-i 40 PS
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	n/a
Off-peak product	n/a

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