

Subtype BAXI PBM3-I 33

Certificate Holder	BAXI Climatización S.L.U
Address	López de Hoyos 35
ZIP	28002
City	Madrid
Country	ES
Certification Body	Kiwa Nederland B.V.
Subtype title	BAXI PBM3-I 33
Registration number	22HK0059 / 007-DO0159
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	5.6 kg
Certification Date	27.06.2023
Testing basis	European KEYMARK Scheme for Heat Pumps (v11)

Model PBM3-i 33

Model name	PBM3-i 33
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 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
η_s	190 %	140 %
Prated	23.20 kW	18.80 kW
SCOP	4.83	3.58
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	20.08 kW	16.11 kW
COP Tj = -7°C	2.86	2.18
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	12.38 kW	11.04 kW
COP Tj = +2°C	5.15	3.75
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	8.82 kW	8.50 kW
COP Tj = +7°C	5.94	4.56
Cdh Tj = +7 °C	1.000	0.900
Pdh Tj = 12°C	10.71 kW	10.56 kW
COP Tj = 12°C	8.56	6.85
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	19.77 kW	15.51 kW
COP Tj = Tbiv	3.13	2.34

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.27 kW	17.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.82
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	0.93 kW	1.47 kW
Annual energy consumption Qhe	9919 kWh	10864 kWh

Model PBM3-i 33 PS

Model name	PBM3-i 33 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

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

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