

This information was generated by the HP KEYMARK database on 27 Jun 2023

Summary of	BAXI PBM3-I 40	Reg. No.	22HK0063 / 007-DO0163
Certificate Holder			
Name	BAXI Climatización S.L.U		
Address	López de Hoyos 35	ZIP	28002
City	Madrid	Country	Spain
Certification Body	Kiwa Nederland B.V.		
Subtype title	BAXI PBM3-I 40		
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 40

Configure model	
Model name	PBM3-i 40
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### Cooling

This information was generated by the HP KEYMARK database on 27 Jun 2023

### EN 14511-2

	+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 14825

This information was generated by the HP KEYMARK database on 27 Jun 2023

	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	30.60 kW	37.70 kW
SEER	5.18	6.61
P <sub>dc</sub> T <sub>j</sub> = 35°C	30.60 kW	37.70 kW
EER T <sub>j</sub> = 35°C	3.10	4.26
C <sub>dc</sub> T <sub>j</sub> = 35 °C	1.000	1.000
P <sub>dc</sub> T <sub>j</sub> = 30°C	22.20 kW	27.70 kW
EER T <sub>j</sub> = 30°C	4.37	5.51
C <sub>dc</sub> T <sub>j</sub> = 30 °C	1.000	1.000
P <sub>dc</sub> T <sub>j</sub> = 25°C	14.20 kW	16.85 kW
EER T <sub>j</sub> = 25°C	5.85	7.17
C <sub>dc</sub> T <sub>j</sub> = 25 °C	1.000	1.000
P <sub>dc</sub> T <sub>j</sub> = 20°C	8.82 kW	9.44 kW
EER T <sub>j</sub> = 20°C	7.43	9.67
C <sub>dc</sub> T <sub>j</sub> = 20 °C	0.900	0.900
P <sub>off</sub>	0 W	0 W
PTO	58 W	58 W
PSB	58 W	58 W
PCK	60 W	60 W
Annual energy consumption Q <sub>ce</sub>	18360 kWh	22620 kWh

## Average Climate

This information was generated by the HP KEYMARK database on 27 Jun 2023

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	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

This information was generated by the HP KEYMARK database on 27 Jun 2023

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

## Model: PBM3-i 40 PS

Configure model	
Model name	PBM3-i 40 PS
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

General Data	
Power supply	n/a

### Heating

EN 14511-2		
	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### Cooling

This information was generated by the HP KEYMARK database on 27 Jun 2023

### EN 14511-2

	+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 14825



This information was generated by the HP KEYMARK database on 27 Jun 2023

	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	30.60 kW	37.70 kW
SEER	5.18	6.61
P <sub>dc</sub> T <sub>j</sub> = 35°C	30.60 kW	37.70 kW
EER T <sub>j</sub> = 35°C	3.10	4.26
C <sub>dc</sub> T <sub>j</sub> = 35 °C	1.000	1.000
P <sub>dc</sub> T <sub>j</sub> = 30°C	22.20 kW	27.70 kW
EER T <sub>j</sub> = 30°C	4.37	5.51
C <sub>dc</sub> T <sub>j</sub> = 30 °C	1.000	1.000
P <sub>dc</sub> T <sub>j</sub> = 25°C	14.20 kW	16.85 kW
EER T <sub>j</sub> = 25°C	5.85	7.17
C <sub>dc</sub> T <sub>j</sub> = 25 °C	1.000	1.000
P <sub>dc</sub> T <sub>j</sub> = 20°C	8.82 kW	9.44 kW
EER T <sub>j</sub> = 20°C	7.43	9.67
C <sub>dc</sub> T <sub>j</sub> = 20 °C	0.900	0.900
P <sub>off</sub>	0 W	0 W
PTO	58 W	58 W
PSB	58 W	58 W
PCK	60 W	60 W
Annual energy consumption Q <sub>ce</sub>	18360 kWh	22620 kWh

## Average Climate

This information was generated by the HP KEYMARK database on 27 Jun 2023

### EN 12102-1

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

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	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

This information was generated by the HP KEYMARK database on 27 Jun 2023

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