

This information was generated by the HP KEYMARK database on 15 Nov 2022

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Summary of	Platinum BC V200 12-16 iR32	Reg. No.	22HK0038/00
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	Platinum BC V200 12-16 iR32		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.84 kg		
Certification Date	11.11.2022		
Testing basis	European KEYMARK Scheme for Heat Pumps (v10)		

# Model: Platinum BC V200 12EM iR32

## Configure model

Model name	Platinum BC V200 12EM iR32
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

Heat output	12.10 kW
El input	2.44 kW
COP	4.95

### 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

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**EN 14511-2**

El input	10.55 kW	10.77 kW
Cooling capacity	4.19	2.92
EER	2.52	3.69

**EN 14825**

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P <sub>designc</sub>	10.55 kW	10.77 kW
SEER	4.09	6.66
P <sub>dc</sub> T <sub>j</sub> = 35°C	10.55 kW	10.77 kW
EER T <sub>j</sub> = 35°C	2.52	3.69
C <sub>dc</sub> T <sub>j</sub> = 35 °C	0.900	0.900
P <sub>dc</sub> T <sub>j</sub> = 30°C	7.78 kW	7.88 kW
EER T <sub>j</sub> = 30°C	3.58	5.39
C <sub>dc</sub> T <sub>j</sub> = 30 °C	0.900	0.900
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.17 kW	5.20 kW
EER T <sub>j</sub> = 25°C	4.57	7.93
C <sub>dc</sub> T <sub>j</sub> = 25 °C	0.900	0.900
P <sub>dc</sub> T <sub>j</sub> = 20°C	2.24 kW	3.03 kW
EER T <sub>j</sub> = 20°C	5.05	9.28
C <sub>dc</sub> T <sub>j</sub> = 20 °C	0.900	0.900
P <sub>off</sub>	14 W	14 W
PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Q <sub>ce</sub>	1548 kWh	971 kWh

## Average Climate

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### EN 12102-1

Sound power level indoor	39 dB(A)
Sound power level outdoor	56 dB(A)

### EN 14825

$\eta_s$	178 %
Prated	12.00 kW
SCOP	4.52
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	10.61 kW
COP Tj = -7°C	2.88
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	6.48 kW
COP Tj = +2°C	4.30
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	4.44 kW
COP Tj = +7°C	6.00
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	3.74 kW

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COP Tj = 12°C	8.47
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	10.61 kW
COP Tj = Tbiv	2.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.75 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	65 °C
Poff	14 W
PTO	24 W
PSB	14 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.26 kW
Annual energy consumption Qhe	5482 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	108 %
COP	2.60
Heating up time	0:57 h:min
Standby power input	32.4 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

## Model: Platinum BC V200 16EM iR32

Configure model	
Model name	Platinum BC V200 16EM iR32
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2	
Heat output	16.00 kW
El input	3.56 kW
COP	4.50

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



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**EN 14511-2**

El input	12.36 kW	11.63 kW
Cooling capacity	5.44	3.22
EER	2.27	3.61

**EN 14825**

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P <sub>designc</sub>	12.36 kW	11.63 kW
SEER	4.20	6.19
P <sub>dc</sub> T <sub>j</sub> = 35°C	12.36 kW	11.63 kW
EER T <sub>j</sub> = 35°C	2.27	3.61
C <sub>dc</sub> T <sub>j</sub> = 35 °C	0.900	0.900
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.40 kW	8.67 kW
EER T <sub>j</sub> = 30°C	3.41	5.22
C <sub>dc</sub> T <sub>j</sub> = 30 °C	0.900	0.900
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.89 kW	5.39 kW
EER T <sub>j</sub> = 25°C	4.80	7.78
C <sub>dc</sub> T <sub>j</sub> = 25 °C	0.900	0.900
P <sub>dc</sub> T <sub>j</sub> = 20°C	2.81 kW	2.48 kW
EER T <sub>j</sub> = 20°C	5.80	6.89
C <sub>dc</sub> T <sub>j</sub> = 20 °C	0.900	0.900
P <sub>off</sub>	14 W	14 W
PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Q <sub>ce</sub>	1766 kWh	1128 kWh

## Average Climate

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### EN 12102-1

Sound power level indoor	39 dB(A)
Sound power level outdoor	56 dB(A)

### EN 14825

$\eta_s$	177 %
Prated	15.21 kW
SCOP	4.50
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	13.45 kW
COP Tj = -7°C	2.72
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	8.20 kW
COP Tj = +2°C	4.30
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	5.70 kW
COP Tj = +7°C	6.20
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	3.78 kW

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COP Tj = 12°C	8.51
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	13.45 kW
COP Tj = Tbiv	2.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	65 °C
Poff	14 W
PTO	24 W
PSB	14 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	2.68 kW
Annual energy consumption Qhe	6979 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	108 %
COP	2.60
Heating up time	0:57 h:min
Standby power input	32.4 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

## Model: Platinum BC V200 12ET iR32

Configure model	
Model name	Platinum BC V200 12ET iR32
Application	Heating + DHW + low temp
Units	Indoor + 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	
Heat output	12.10 kW
El input	2.44 kW
COP	4.95

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

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