

This information was generated by the HP KEYMARK database on 21 May 2021

Summary of	Platinum BC Smart iR32 6/8	Reg. No.	21HK0004/00
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 Smart iR32 6/8		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.2 kg		
Certification Date	21.05.2021		
Testing basis	European KEYMARK Scheme for Heat Pumps (v9)		

Model: AWHPR 6 MR + MIC V200 R32

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	1.97 kW
COP	5.00	2.90

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		
	+7°C/+12°C	+18°C/+23°C
El input	2.30 kW	1.43 kW
Cooling capacity	6.50	7.00
EER	2.83	4.88

EN 14825		
	+7°C/+12°C	+18°C/+23°C
P _{designc}	6.5 kW	7.0 kW
SEER	3.95	5.99
P _{dc} T _j = 35°C	6.50 kW	7.00 kW
EER T _j = 35°C	2.83	4.88
P _{dc} T _j = 30°C	4.90 kW	5.39 kW
EER T _j = 30°C	3.99	6.65
P _{dc} T _j = 25°C	3.10 kW	3.32 kW
EER T _j = 25°C	4.55	4.93
P _{dc} T _j = 20°C	1.37 kW	1.78 kW
EER T _j = 20°C	3.96	9.48
P _{off}	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	987 kWh	701 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	34 dB(A)	34 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	177 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.50	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = -7°C	3.16	2.22
Cdh	0.99	0.99
Pdh Tj = +2°C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh	0.98	0.98
Pdh Tj = +7°C	2.25 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh	0.96	0.97

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Pdh Tj = 12°C	2.50 kW	2.50 kW
COP Tj = 12°C	6.92	6.58
Cdh	0.96	0.97
Pdh Tj = Tbiv	6.60 kW	5.50 kW
COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
Cdh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0 kW	0.7 kW
Annual energy consumption Qhe	2986 kWh	3679 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	207 %	141 %

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Prated	6.50 kW	6.00 kW
SCOP	5.24	3.61
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.50 kW	6.00 kW
COP Tj = +2°C	3.40	2.27
Cdh	0.99	0.99
Pdh Tj = +7°C	4.30 kW	4.05 kW
COP Tj = +7°C	5.30	3.16
Cdh	0.98	0.99
Pdh Tj = 12°C	1.86 kW	1.90 kW
COP Tj = 12°C	6.07	4.70
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.50 kW	6.00 kW
COP Tj = Tbiv	3.40	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.40	2.27
Cdh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W

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PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	1658 kWh	2222 kWh

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	34 dB(A)	34 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	01:35 h:min
Standby power input	35.5 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	277 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	149 %
COP	3.50
Heating up time	01:28 h:min
Standby power input	36.5 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	277 l

Model: AWHPR 8 MR + MIC V200 R32

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.6 kW	8.0 kW
El input	1.66 kW	2.91 kW
COP	4.57	2.75

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 21 May 2021

EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.33 kW	1.45 kW
Cooling capacity	6.50	7.10
EER	2.79	4.88

EN 14825		
	+7°C/+12°C	+18°C/+23°C
P _{designc}	6.5 kW	7.1 kW
SEER	4.32	5.82
P _{dc} T _j = 35°C	6.50 kW	7.10 kW
EER T _j = 35°C	2.79	4.88
P _{dc} T _j = 30°C	4.97 kW	5.65 kW
EER T _j = 30°C	3.96	6.71
P _{dc} T _j = 25°C	3.35 kW	3.18 kW
EER T _j = 25°C	4.74	5.26
P _{dc} T _j = 20°C	1.55 kW	1.67 kW
EER T _j = 20°C	5.50	7.40
P _{off}	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Q _{ce}	904 kWh	732 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.19 kW	6.19 kW
COP Tj = -7°C	2.97	1.95
Cdh	0.99	0.99
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh	0.98	0.99
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	5.70	4.10
Cdh	0.97	0.97

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Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh	0.96	0.96
Pdh Tj = Tbiv	6.19 kW	6.19 kW
COP Tj = Tbiv	2.97	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
Cdh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.36 kW	2.1 kW
Annual energy consumption Qhe	3225 kWh	4504 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	214 %	149 %

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Prated	7.00 kW	6.60 kW
SCOP	5.41	3.81
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.00 kW	6.60 kW
COP Tj = +2°C	3.25	2.12
Cdh	0.99	0.99
Pdh Tj = +7°C	4.70 kW	4.58 kW
COP Tj = +7°C	5.11	3.36
Cdh	0.98	0.99
Pdh Tj = 12°C	2.11 kW	2.00 kW
COP Tj = 12°C	6.71	5.00
Cdh	0.95	0.96
Pdh Tj = Tbiv	7.00 kW	6.60 kW
COP Tj = Tbiv	3.25	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.25	2.12
Cdh	0.99	0.99
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	10.6 W	15 W

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PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1728 kWh	2315 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	120 %
COP	2.85
Heating up time	01:25 h:min
Standby power input	34.9 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	278 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	143 %
COP	3.40
Heating up time	01:20 h:min
Standby power input	30.9 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	278 l