

Subtype Platinum BC Smart iR32 4

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|---------------------|---|
| 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 | Platinum BC Smart iR32 4 |
| Registration number | 007-DM0103 |
| 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 4 MR + MIC V200 R32

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|-------------------------------------|---------------------------|
| Model name | AWHPR 4 MR + MIC V200 R32 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer, Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | No |

Outdoor Air/Water**EN 16147 | Average Climate**

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 139 % |
| COP | 3.30 |
| Heating up time | 1:35 h:min |
| Standby power input | 31.8 W |
| Reference hot water temperature | 53.3 °C |
| Mixed water at 40°C | 279 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 169 % |
| COP | 4.00 |
| Heating up time | 1:35 h:min |
| Standby power input | 28.9 W |
| Reference hot water temperature | 53.3 °C |
| Mixed water at 40°C | 279 l |

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 | 4.60 kW | 4.10 kW |
| El input | 0.88 kW | 1.55 kW |
| COP | 5.20 | 2.65 |

EN 14511-2 | Cooling

| | | |
|------------------|------------|-------------|
| El input | +7°C/+12°C | +18°C/+23°C |
| Cooling capacity | 1.25 kW | 1.12 kW |
| EER | 4.50 | 6.00 |
| | 3.60 | 5.35 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 32 dB(A) | 32 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 176 % | 134 % |
| Prated | 5.00 kW | 5.00 kW |
| SCOP | 4.48 | 3.43 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.40 kW | 4.50 kW |
| COP Tj = -7°C | 3.18 | 2.15 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.70 kW | 2.70 kW |
| COP Tj = +2°C | 4.44 | 3.39 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 1.75 kW | 1.74 kW |
| COP Tj = +7°C | 5.37 | 4.44 |
| Cdh Tj = +7 °C | 0.96 | 0.96 |
| Pdh Tj = 12°C | 2.70 kW | 2.10 kW |
| COP Tj = 12°C | 8.78 | 7.29 |
| Cdh Tj = +12 °C | 0.95 | 0.95 |
| Pdh Tj = Tbiv | 5.00 kW | 4.50 kW |
| COP Tj = Tbiv | 3.00 | 2.15 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.00 kW | 4.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.00 | 1.83 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 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 | 2305 kWh | 3009 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 32 dB(A) | 32 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
| η_S | 234 % | 163 % |
| P _{rated} | 5.00 kW | 5.00 kW |
| SCOP | 5.94 | 4.16 |
| T _{biv} | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| P _{dh Tj = +2°C} | 5.00 kW | 5.00 kW |
| COP T _j = +2°C | 3.51 | 2.42 |
| Cd _h T _j = +2 °C | 0.99 | 0.99 |
| P _{dh Tj = +7°C} | 3.30 kW | 3.30 kW |
| COP T _j = +7°C | 5.65 | 3.67 |
| Cd _h T _j = +7 °C | 0.98 | 0.98 |
| P _{dh Tj = 12°C} | 2.10 kW | 1.90 kW |
| COP T _j = 12°C | 7.94 | 5.67 |
| Cd _h T _j = +12 °C | 0.95 | 0.96 |
| P _{dh Tj = Tbiv} | 5.00 kW | 5.00 kW |
| COP T _j = Tbiv | 3.51 | 2.42 |
| P _{dh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh} | 5.00 kW | 5.00 kW |
| COP T _j = TOL or COP T _j = Tdesignh if TOL < Tdesignh | 3.51 | 2.42 |
| Cd _h T _j = TOL or P _{dh Tj = Tdesignh if TOL < Tdesignh} | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 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 kW |
| Annual energy consumption Q _{he} | 1125 kWh | 1607 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------------------|------------|-------------|
| P _{designc} | 4.50 kW | 6.00 kW |
| SEER | 4.64 | 8.02 |
| P _{dc Tj = 35°C} | 4.50 kW | 6.00 kW |
| EER T _j = 35°C | 3.60 | 5.35 |
| P _{dc Tj = 30°C} | 3.32 kW | 4.50 kW |
| EER T _j = 30°C | 3.97 | 7.09 |
| C _{dc Tj = 30 °C} | | |

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|-------------------------------|---------|---------|
| Pdc Tj = 25°C | 2.30 kW | 2.80 kW |
| EER Tj = 25°C | 5.23 | 9.20 |
| Cdc Tj = 25 °C | | |
| Pdc Tj = 20°C | 1.85 kW | 2.85 kW |
| EER Tj = 20°C | 6.40 | 12.23 |
| Cdc Tj = 20 °C | | |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 582 kWh | 449 kWh |