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|                     |                                       |          |             |
|---------------------|---------------------------------------|----------|-------------|
| Summary of          | Platinum BC Plus Monobloc 8 10        | Reg. No. | 041-K022-02 |
| Certificate Holder  |                                       |          |             |
| Name                | BAXI Climatización S.L.U              |          |             |
| Address             | López de Hoyos 35                     | Zip      | 28002       |
| City                | Madrid                                | Country  | Spain       |
| Certification Body  | BRE Global Limited                    |          |             |
| Subtype title       | Platinum BC Plus Monobloc 8 10        |          |             |
| Heat Pump Type      | Outdoor Air/Water                     |          |             |
| Refrigerant         | R32                                   |          |             |
| Mass of Refrigerant | 1.65 kg                               |          |             |
| Certification Date  | 18.03.2022                            |          |             |
| Testing basis       | Heat Pump Keymark Scheme Rules Rev 09 |          |             |

# Model: Platinum BC Plus Monobloc 8 MR-2

| Configure model                     |                                  |
|-------------------------------------|----------------------------------|
| Model name                          | Platinum BC Plus Monobloc 8 MR-2 |
| Application                         | Heating (medium temp)            |
| Units                               | Outdoor                          |
| Climate Zone                        | Colder Climate + Warmer Climate  |
| Reversibility                       | Yes                              |
| Cooling mode application (optional) | n/a                              |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

## Heating

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

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 8.40 kW         | 7.50 kW            |
| El input    | 1.63 kW         | 2.36 kW            |
| COP         | 5.15            | 3.18               |

## Average Climate

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### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 59 dB(A)        | 59 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 205 %           | 132 %              |
| Prated         | 8.12 kW         | 6.60 kW            |
| SCOP           | 5.21            | 3.36               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 7.19 kW         | 5.84 kW            |
| COP Tj = -7°C  | 3.35            | 2.16               |
| Cdh Tj = -7 °C | 0.90            | 0.90               |
| Pdh Tj = +2°C  | 4.65 kW         | 3.76 kW            |
| COP Tj = +2°C  | 5.09            | 3.30               |
| Cdh Tj = +2 °C | 0.90            | 0.90               |
| Pdh Tj = +7°C  | 2.90 kW         | 2.43 kW            |
| COP Tj = +7°C  | 6.82            | 4.34               |
| Cdh Tj = +7 °C | 0.90            | 0.90               |
| Pdh Tj = 12°C  | 1.63 kW         | 1.40 kW            |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C                                       | 8.35        | 5.33        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 7.19 kW     | 5.84 kW     |
| COP Tj = Tbiv                                       | 3.35        | 2.16        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.45 kW     | 4.91 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.04        | 1.84        |
| WTOL                                                | 65 °C       | 65 °C       |
| Poff                                                | 14 W        | 14 W        |
| PTO                                                 | 24 W        | 24 W        |
| PSB                                                 | 14 W        | 14 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.68 kW     | 1.69 kW     |
| Annual energy consumption Qhe                       | 3223 kWh    | 4056 kWh    |

## Warmer Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level outdoor | 59 dB(A)               | 59 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |

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|                                                     |         |         |
|-----------------------------------------------------|---------|---------|
| $\eta_s$                                            | 273 %   | 177 %   |
| Prated                                              | 8.12 kW | 8.37 kW |
| SCOP                                                | 6.99    | 4.50    |
| Tbiv                                                | 7 °C    | 7 °C    |
| TOL                                                 | 2 °C    | 2 °C    |
| Pdh Tj = +2°C                                       | 7.57 kW | 7.55 kW |
| COP Tj = +2°C                                       | 3.98    | 2.59    |
| Cdh Tj = +2 °C                                      | 0.900   | 0.900   |
| Pdh Tj = +7°C                                       | 5.22 kW | 5.38 kW |
| COP Tj = +7°C                                       | 6.26    | 4.01    |
| Cdh Tj = +7 °C                                      | 0.900   | 0.900   |
| Pdh Tj = 12°C                                       | 2.45 kW | 2.32 kW |
| COP Tj = 12°C                                       | 9.02    | 5.55    |
| Cdh Tj = +12 °C                                     | 0.900   | 0.900   |
| Pdh Tj = Tbiv                                       | 5.22 kW | 5.38 kW |
| COP Tj = Tbiv                                       | 6.26    | 4.01    |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.57 kW | 7.55 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.98    | 2.59    |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh |         |         |
| WTOL                                                | 65 °C   | 65 °C   |

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|                                            |             |             |
|--------------------------------------------|-------------|-------------|
| Poff                                       | 14 W        | 14 W        |
| PTO                                        | 24 W        | 24 W        |
| PSB                                        | 14 W        | 14 W        |
| PCK                                        | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP                 | 0.55 kW     | 0.82 kW     |
| Annual energy consumption Qhe              | 1569 kWh    | 2485 kWh    |

## Colder Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level outdoor | 59 dB(A)               | 59 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$        | 170 %                  | 112 %                     |
| Prated          | 6.98 kW                | 5.78 kW                   |
| SCOP            | 4.32                   | 2.88                      |
| Tbiv            | -15 °C                 | -15 °C                    |
| TOL             | -22 °C                 | -22 °C                    |
| Pdh Tj = -7°C   | 4.46 kW                | 3.86 kW                   |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = -7°C                                       | 3.66        | 2.48        |
| Cdh Tj = -7 °C                                      | 0.90        | 0.90        |
| Pdh Tj = +2°C                                       | 2.70 kW     | 2.21 kW     |
| COP Tj = +2°C                                       | 5.20        | 3.35        |
| Cdh Tj = +2 °C                                      | 0.90        | 0.90        |
| Pdh Tj = +7°C                                       | 1.66 kW     | 1.44 kW     |
| COP Tj = +7°C                                       | 6.53        | 4.11        |
| Cdh Tj = +7 °C                                      | 0.90        | 0.90        |
| Pdh Tj = 12°C                                       | 1.66 kW     | 1.47 kW     |
| COP Tj = 12°C                                       | 7.96        | 5.92        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 5.69 kW     | 4.71 kW     |
| COP Tj = Tbiv                                       | 2.83        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.06 kW     | 2.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.95        | 1.22        |
| WTOL                                                | 65 °C       | 65 °C       |
| Poff                                                | 14 W        | 14 W        |
| PTO                                                 | 24 W        | 24 W        |
| PSB                                                 | 14 W        | 14 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
|                                                     |             |             |

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|                                                                      |          |          |
|----------------------------------------------------------------------|----------|----------|
| Supplementary Heater: PSUP                                           | 2.91 kW  | 2.99 kW  |
| Annual energy consumption $Q_{he}$                                   | 3978 kWh | 4950 kWh |
| $P_{dh} T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$ ) | 5.69     | 4.71     |
| $COP T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$ )    | 2.83     | 1.90     |
| $C_{dh} T_j = -15^{\circ}\text{C}$                                   | 0.90     | 0.90     |



## Model: Platinum BC Plus Monobloc 10 MR-2

| Configure model                     |                                   |
|-------------------------------------|-----------------------------------|
| Model name                          | Platinum BC Plus Monobloc 10 MR-2 |
| Application                         | Heating (medium temp)             |
| Units                               | Outdoor                           |
| Climate Zone                        | Colder Climate + Warmer Climate   |
| Reversibility                       | Yes                               |
| Cooling mode application (optional) | n/a                               |

| General Data |             |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

### Heating

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

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 10.00 kW        | 9.50 kW            |
| El input    | 2.02 kW         | 3.06 kW            |
| COP         | 4.95            | 3.10               |

### Average Climate

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### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 205 %           | 137 %              |
| Prated         | 9.17 kW         | 7.67 kW            |
| SCOP           | 5.19            | 3.49               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 8.11 kW         | 6.78 kW            |
| COP Tj = -7°C  | 3.23            | 2.24               |
| Cdh Tj = -7 °C | 0.90            | 0.90               |
| Pdh Tj = +2°C  | 5.18 kW         | 4.29 kW            |
| COP Tj = +2°C  | 5.01            | 3.42               |
| Cdh Tj = +2 °C | 0.90            | 0.90               |
| Pdh Tj = +7°C  | 3.32 kW         | 2.77 kW            |
| COP Tj = +7°C  | 7.08            | 4.52               |
| Cdh Tj = +7 °C | 0.90            | 0.90               |
| Pdh Tj = 12°C  | 1.65 kW         | 1.58 kW            |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = 12°C                                       | 8.58        | 5.68        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 8.11 kW     | 6.78 kW     |
| COP Tj = Tbiv                                       | 3.23        | 2.24        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.40 kW     | 5.39 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.96        | 1.83        |
| WTOL                                                | 65 °C       | 65 °C       |
| Poff                                                | 14 W        | 14 W        |
| PTO                                                 | 24 W        | 24 W        |
| PSB                                                 | 14 W        | 14 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.76 kW     | 2.28 kW     |
| Annual energy consumption Qhe                       | 3647 kWh    | 4539 kWh    |

## Warmer Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level outdoor | 60 dB(A)               | 60 dB(A)                  |

| <b>EN 14825</b> |                        |                           |
|-----------------|------------------------|---------------------------|
|                 | <b>Low temperature</b> | <b>Medium temperature</b> |

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|                                                     |         |         |
|-----------------------------------------------------|---------|---------|
| $\eta_s$                                            | 279 %   | 180 %   |
| Prated                                              | 8.58 kW | 8.63 kW |
| SCOP                                                | 7.12    | 4.58    |
| Tbiv                                                | 7 °C    | 7 °C    |
| TOL                                                 | 2 °C    | 2 °C    |
| Pdh Tj = +2°C                                       | 8.44 kW | 8.06 kW |
| COP Tj = +2°C                                       | 3.84    | 2.59    |
| Cdh Tj = +2 °C                                      | 0.90    | 0.90    |
| Pdh Tj = +7°C                                       | 5.52 kW | 5.55 kW |
| COP Tj = +7°C                                       | 6.18    | 4.10    |
| Cdh Tj = +7 °C                                      | 0.90    | 0.90    |
| Pdh Tj = 12°C                                       | 2.62 kW | 2.53 kW |
| COP Tj = 12°C                                       | 9.04    | 5.82    |
| Cdh Tj = +12 °C                                     | 0.90    | 0.90    |
| Pdh Tj = Tbiv                                       | 5.52 kW | 5.55 kW |
| COP Tj = Tbiv                                       | 6.18    | 4.10    |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.44 kW | 8.16 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.84    | 2.61    |
| WTOL                                                | 65 °C   | 65 °C   |
| Poff                                                | 14 W    | 14 W    |

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|                                            |             |             |
|--------------------------------------------|-------------|-------------|
| PTO                                        | 24 W        | 24 W        |
| PSB                                        | 14 W        | 14 W        |
| PCK                                        | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP                 | 0.14 kW     | 0.48 kW     |
| Annual energy consumption Q <sub>he</sub>  | 1628 kWh    | 2516 kWh    |

## Colder Climate

| <b>EN 12102-1</b>         |                        |                           |
|---------------------------|------------------------|---------------------------|
|                           | <b>Low temperature</b> | <b>Medium temperature</b> |
| Sound power level outdoor | 60 dB(A)               | 60 dB(A)                  |

| <b>EN 14825</b>                       |                        |                           |
|---------------------------------------|------------------------|---------------------------|
|                                       | <b>Low temperature</b> | <b>Medium temperature</b> |
| $\eta_s$                              | 170 %                  | 116 %                     |
| Prated                                | 7.75 kW                | 6.71 kW                   |
| SCOP                                  | 4.32                   | 2.99                      |
| T <sub>biv</sub>                      | -15 °C                 | -15 °C                    |
| TOL                                   | -22 °C                 | -22 °C                    |
| P <sub>dh</sub> T <sub>j</sub> = -7°C | 4.83 kW                | 4.27 kW                   |
| COP T <sub>j</sub> = -7°C             | 3.60                   | 2.54                      |

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|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = -7 °C                                      | 0.90        | 0.90        |
| Pdh Tj = +2°C                                       | 2.94 kW     | 2.57 kW     |
| COP Tj = +2°C                                       | 5.26        | 3.51        |
| Cdh Tj = +2 °C                                      | 0.90        | 0.90        |
| Pdh Tj = +7°C                                       | 1.92 kW     | 1.66 kW     |
| COP Tj = +7°C                                       | 7.08        | 4.37        |
| Cdh Tj = +7 °C                                      | 0.90        | 0.90        |
| Pdh Tj = 12°C                                       | 1.66 kW     | 1.48 kW     |
| COP Tj = 12°C                                       | 7.96        | 5.96        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 6.32 kW     | 5.48 kW     |
| COP Tj = Tbiv                                       | 2.64        | 2.00        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.63 kW     | 2.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97        | 1.22        |
| WTOL                                                | 65 °C       | 65 °C       |
| Poff                                                | 14 W        | 14 W        |
| PTO                                                 | 24 W        | 24 W        |
| PSB                                                 | 14 W        | 14 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 3.13 kW     | 3.91 kW     |
|                                                     |             |             |

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|                                                                      |          |          |
|----------------------------------------------------------------------|----------|----------|
| Annual energy consumption $Q_{he}$                                   | 4424 kWh | 5540 kWh |
| $P_{dh} T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$ ) | 6.32     | 5.48     |
| $COP T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$ )    | 2.64     | 2.00     |
| $C_{dh} T_j = -15^{\circ}\text{C}$                                   | 0.90     | 0.90     |