

This information was generated by the HP KEYMARK database on 22 Jun 2022

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|                     |  |          |                    |
|---------------------|--|----------|--------------------|
| Summary of          | Assure Mono 5 7 9                            | Reg. No. | ICIM-PDC-000083-00 |
| Certificate Holder  |  |          |                    |
| Name                | BAXI Potterton Myson                         |          |                    |
| Address             | Unit F 5&6, Calmount Park, Ballymount        | Zip      | Dublin 12          |
| City                | Dublin                                       | Country  | Ireland            |
| Certification Body  | ICIM S.p.A.                                  |          |                    |
| Subtype title       | Assure Mono 5 7 9                            |          |                    |
| Heat Pump Type      | Outdoor Air/Water                            |          |                    |
| Refrigerant         | R32  |          |                    |
| Mass of Refrigerant | 2 kg   |          |                    |
| Certification Date  | 25.06.2020                                   |          |                    |
| Testing basis       | HP KEYMARK certification scheme rules rev. 7 |          |                    |

## Model: Assure Mono 5

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Assure Mono 5         |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate Zone                        | n/a                   |
| Reversibility                       | No                    |
| Cooling mode application (optional) | n/a                   |

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

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 4.65 kW         | 4.65 kW            |
| El input    | 0.93 kW         | 1.77 kW            |
| COP         | 5.00            | 2.63               |

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

### Average Climate

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### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | dB(A)           | dB(A)              |
| Sound power level outdoor | 61 dB(A)        | 61 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 176 %           | 127 %              |
| Prated         | 7.00 kW         | 7.00 kW            |
| SCOP           | 4.47            | 3.24               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 5.88 kW         | 5.83 kW            |
| COP Tj = -7°C  | 2.91            | 1.97               |
| Cdh Tj = -7 °C | 0.90            | 0.90               |
| Pdh Tj = +2°C  | 3.64 kW         | 3.68 kW            |
| COP Tj = +2°C  | 4.38            | 3.22               |
| Cdh Tj = +2 °C | 0.90            | 0.90               |
| Pdh Tj = +7°C  | 2.42 kW         | 2.47 kW            |
| COP Tj = +7°C  | 5.89            | 4.21               |
| Cdh Tj = +7 °C | 0.90            | 0.90               |

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|   |             |             |
|---|-------------|-------------|
| Pdh Tj = 12°C                                       | 1.03 kW     | 1.26 kW     |
| COP Tj = 12°C                                       | 5.89        | 4.91        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 5.88 kW     | 5.83 kW     |
| COP Tj = Tbiv                                       | 2.91        | 1.97        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.62 kW     | 5.86 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.63        | 1.62        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL  | 60 °C       | 60 °C       |
| Poff  | 9 W         | 9 W         |
| PTO   | 9 W         | 9 W         |
| PSB   | 9 W         | 9 W         |
| PCK   | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.70 kW     |
| Annual energy consumption Qhe                       | 3071 kWh    | 4203 kWh    |

## Model: Assure Mono 7

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Assure Mono 7         |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate Zone                        | n/a                   |
| Reversibility                       | No                    |
| Cooling mode application (optional) | n/a                   |

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

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 6.65 kW         | 6.80 kW            |
| El input    | 1.35 kW         | 2.42 kW            |
| COP         | 4.94            | 2.81               |

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

### Average Climate

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### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | dB(A)           | dB(A)              |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 176 %           | 127 %              |
| Prated         | 7.00 kW         | 7.00 kW            |
| SCOP           | 4.47            | 3.24               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 5.88 kW         | 5.83 kW            |
| COP Tj = -7°C  | 2.91            | 1.97               |
| Cdh Tj = -7 °C | 0.90            | 0.90               |
| Pdh Tj = +2°C  | 3.64 kW         | 3.68 kW            |
| COP Tj = +2°C  | 4.38            | 3.22               |
| Cdh Tj = +2 °C | 0.90            | 0.90               |
| Pdh Tj = +7°C  | 2.42 kW         | 2.47 kW            |
| COP Tj = +7°C  | 5.89            | 4.21               |
| Cdh Tj = +7 °C | 0.90            | 0.90               |

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|   |             |             |
|---|-------------|-------------|
| Pdh Tj = 12°C                                       | 1.03 kW     | 1.26 kW     |
| COP Tj = 12°C                                       | 5.89        | 4.91        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 5.88 kW     | 5.83 kW     |
| COP Tj = Tbiv                                       | 2.91        | 1.97        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.62 kW     | 5.86 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.63        | 1.62        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL  | 60 °C       | 60 °C       |
| Poff  | 9 W         | 9 W         |
| PTO   | 6 W         | 6 W         |
| PSB   | 9 W         | 9 W         |
| PCK   | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.70 kW     |
| Annual energy consumption Qhe                       | 3701 kWh    | 4203 kWh    |

## Model: Assure Mono 9

| Configure model                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Assure Mono 9         |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate Zone                        | n/a                   |
| Reversibility                       | No                    |
| Cooling mode application (optional) | n/a                   |

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

### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 8.60 kW         | 8.60 kW            |
| El input    | 1.87 kW         | 3.12 kW            |
| COP         | 4.60            | 2.75               |

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

### Average Climate



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### EN 12102-1

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | dB(A)           | dB(A)              |
| Sound power level outdoor | 67 dB(A)        | 67 dB(A)           |

### EN 14825

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 177 %           | 126 %              |
| Prated         | 8.00 kW         | 7.00 kW            |
| SCOP           | 4.51            | 3.22               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 7.42 kW         | 6.58 kW            |
| COP Tj = -7°C  | 2.80            | 1.87               |
| Cdh Tj = -7 °C | 0.90            | 0.90               |
| Pdh Tj = +2°C  | 4.83 kW         | 4.25 kW            |
| COP Tj = +2°C  | 4.33            | 3.19               |
| Cdh Tj = +2 °C | 0.90            | 0.90               |
| Pdh Tj = +7°C  | 3.20 kW         | 2.80 kW            |
| COP Tj = +7°C  | 6.20            | 4.38               |
| Cdh Tj = +7 °C | 0.90            | 0.90               |

This information was generated by the HP KEYMARK database on 22 Jun 2022

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = 12°C                                       | 1.55 kW     | 1.27 kW     |
| COP Tj = 12°C                                       | 7.61        | 5.04        |
| Cdh Tj = +12 °C                                     | 0.90        | 0.90        |
| Pdh Tj = Tbiv                                       | 7.42 kW     | 6.58 kW     |
| COP Tj = Tbiv                                       | 2.80        | 1.87        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW     | 5.53 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54        | 1.51        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90        | 0.90        |
| WTOL  | 60 °C       | 60 °C       |
| Poff  | 9 W         | 9 W         |
| PTO   | 10 W        | 10 W        |
| PSB   | 9 W         | 9 W         |
| PCK   | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.80 kW     | 1.80 kW     |
| Annual energy consumption Qhe                       | 3844 kWh    | 4770 kWh    |