

## Subtype Assure Mono 5 7 9

|                     |  |
|---------------------|--|
| Certificate Holder  | BAXI Potterton Myson                         |
| Address             | Unit F 5&6, Calmount Park, Ballymount        |
| ZIP                 | Dublin 12                                    |
| City                | Dublin                                       |
| Country             | IE   |
| Certification Body  | ICIM S.p.A.                                  |
| Subtype title       | Assure Mono 5 7 9                            |
| Registration number | ICIM-PDC-000083-00                           |
| 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

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Assure Mono 5         |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | n/a                   |
| Cooling mode application (optional) | n/a                   |
| Any additional heat sources         | n/a                   |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 1x230V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water EN 14511-4 | Heating

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

## EN 12102-1 | Average Climate

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

## EN 14825 | Average Climate

|                 | 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               |
| 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

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Assure Mono 7         |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | n/a                   |
| Cooling mode application (optional) | n/a                   |
| Any additional heat sources         | n/a                   |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 1x230V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-4 | Heating

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

### EN 12102-1 | Average Climate

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

### EN 14825 | Average Climate

|                 | 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               |
| 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

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Assure Mono 9         |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | n/a                   |
| Cooling mode application (optional) | n/a                   |
| Any additional heat sources         | n/a                   |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 1x230V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-4 | Heating

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

### EN 12102-1 | Average Climate

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

### EN 14825 | Average Climate

|                 | 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               |
| 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    |