

Subtype Ecodan Multi Inverter 5+200D

|                     |   |
|---------------------|---|
| Certificate Holder  | Mitsubishi Electric Air Conditioning Systems Europe LTD                           |
| Address             | Nettlehill Road, Houston Industrial Estate  |
| ZIP                 | EH54 5EQ  |
| City                | Livingston  |
| Country             | GB  |
| Certification Body  | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) |
| Subtype title       | Ecodan Multi Inverter 5+200D  |
| Registration number | 037-0099-23   |
| Heat Pump Type      | Outdoor Air/Water   |
| Refrigerant         | R32   |
| Mass of Refrigerant | 2.4 kg  |
| Certification Date  | 15.03.2023  |
| Testing basis       | HP Keymark scheme rules rev. no. 9  |
| Testing laboratory  | SZU Brno, CZ  |

**Model PXZ-5F85VG + EHST20D-\*M\*D**

|                                     |                           |
|-------------------------------------|---------------------------|
| Model name                          | PXZ-5F85VG + EHST20D-*M*D |
| Application                         | Heating + DHW + low temp  |
| Units                               | Indoor, Outdoor           |
| Climate zone (for heating)          | n/a                       |
| Heat Source                         | Outdoor Air               |
| 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 16147 | Average Climate**

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 123 %      |
| COP                             | 2.97       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 32 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 278 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 | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_S$ | 157 %           | 111 %              |

|   |             |             |
|---|-------------|-------------|
| Prated  | 7.12 kW     | 6.7 kW      |
| SCOP  | 4           | 2.86        |
| Tbiv  | -7 °C       | -7 °C       |
| TOL   | -20 °C      | -20 °C      |
| Pdh Tj = -7°C                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = -7°C                                       | 2.8         | 1.4         |
| Cdh Tj = -7 °C                                      | 0.993       | 0.996       |
| Pdh Tj = +2°C                                       | 3.95 kW     | 3.66 kW     |
| COP Tj = +2°C                                       | 4.29        | 3.07        |
| Cdh Tj = +2 °C                                      | 0.984       | 0.987       |
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + ERST20D-\*M\*D**

|                                     |                           |
|-------------------------------------|---------------------------|
| Model name                          | PXZ-5F85VG + ERST20D-*M*D |
| Application                         | Heating + DHW + low temp  |
| Units                               | Indoor, Outdoor           |
| Climate zone (for heating)          | n/a                       |
| Heat Source                         | Outdoor Air               |
| Reversibility                       | Yes                       |
| 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 16147 | Average Climate**

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 123 %      |
| COP                             | 2.97       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 32 W       |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 278 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 | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|  | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|  |                 |                    |

|   |             |             |
|---|-------------|-------------|
| $\eta_s$  | 157 %       | 111 %       |
| Prated  | 7.12 kW     | 6.7 kW      |
| SCOP  | 4           | 2.86        |
| Tbiv  | -7 °C       | -7 °C       |
| TOL   | -20 °C      | -20 °C      |
| Pdh Tj = -7°C                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = -7°C                                       | 2.8         | 1.4         |
| Cdh Tj = -7 °C                                      | 0.993       | 0.996       |
| Pdh Tj = +2°C                                       | 3.95 kW     | 3.66 kW     |
| COP Tj = +2°C                                       | 4.29        | 3.07        |
| Cdh Tj = +2 °C                                      | 0.984       | 0.987       |
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + EHSD-\*M\*D**

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | PXZ-5F85VG + EHSD-*M*D |
| Application                         | Heating (medium temp)  |
| Units                               | Indoor, Outdoor        |
| Climate zone (for heating)          | n/a                    |
| Heat Source                         | Outdoor Air            |
| 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 |
| Starting and operating test   | passed |

**EN 14511-2 | Heating**

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 157 %           | 111 %              |
| Prated         | 7.12 kW         | 6.7 kW             |
| SCOP           | 4               | 2.86               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 6.33 kW         | 5.93 kW            |
| COP Tj = -7°C  | 2.8             | 1.4                |
| Cdh Tj = -7 °C | 0.993           | 0.996              |
| Pdh Tj = +2°C  | 3.95 kW         | 3.66 kW            |
| COP Tj = +2°C  | 4.29            | 3.07               |
| Cdh Tj = +2 °C | 0.984           | 0.987              |

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + ERSD-\*M\*D**

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | PXZ-5F85VG + ERSD-*M*D |
| Application                         | Heating (medium temp)  |
| Units                               | Indoor, Outdoor        |
| Climate zone (for heating)          | n/a                    |
| Heat Source                         | Outdoor Air            |
| Reversibility                       | Yes                    |
| 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 |
| Starting and operating test   | passed |

**EN 14511-2 | Heating**

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 157 %           | 111 %              |
| Prated         | 7.12 kW         | 6.7 kW             |
| SCOP           | 4               | 2.86               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -20 °C          | -20 °C             |
| Pdh Tj = -7°C  | 6.33 kW         | 5.93 kW            |
| COP Tj = -7°C  | 2.8             | 1.4                |
| Cdh Tj = -7 °C | 0.993           | 0.996              |
| Pdh Tj = +2°C  | 3.95 kW         | 3.66 kW            |
| COP Tj = +2°C  | 4.29            | 3.07               |

|   |             |             |
|---|-------------|-------------|
| Cdh Tj = +2 °C                                      | 0.984       | 0.987       |
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + EHST20D-\*M\*E**

|                                     |                           |
|-------------------------------------|---------------------------|
| Model name                          | PXZ-5F85VG + EHST20D-*M*E |
| Application                         | Heating + DHW + low temp  |
| Units                               | Indoor, Outdoor           |
| Climate zone (for heating)          | n/a                       |
| Heat Source                         | Outdoor Air               |
| 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 16147 | Average Climate**

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 135 %      |
| COP                             | 3.26       |
| Heating up time                 | 1:58 h:min |
| Standby power input             | 31.4 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 278 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 | 8.5 kW          | 8.5 kW             |
| EI input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|          | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| $\eta_S$ | 157 %           | 111 %              |

|   |             |             |
|---|-------------|-------------|
| Prated  | 7.12 kW     | 6.7 kW      |
| SCOP  | 4           | 2.86        |
| Tbiv  | -7 °C       | -7 °C       |
| TOL   | -10 °C      | -10 °C      |
| Pdh Tj = -7°C                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = -7°C                                       | 2.8         | 1.4         |
| Cdh Tj = -7 °C                                      | 0.993       | 0.996       |
| Pdh Tj = +2°C                                       | 3.95 kW     | 3.66 kW     |
| COP Tj = +2°C                                       | 4.29        | 3.07        |
| Cdh Tj = +2 °C                                      | 0.984       | 0.987       |
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + ERST20D-\*M\*E**

|                                     |                           |
|-------------------------------------|---------------------------|
| Model name                          | PXZ-5F85VG + ERST20D-*M*E |
| Application                         | Heating + DHW + low temp  |
| Units                               | Indoor, Outdoor           |
| Climate zone (for heating)          | n/a                       |
| Heat Source                         | Outdoor Air               |
| Reversibility                       | Yes                       |
| 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 16147 | Average Climate**

|                                 |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency $\eta_{DHW}$         | 135 %      |
| COP                             | 3.26       |
| Heating up time                 | 1:58 h:min |
| Standby power input             | 31.4 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 278 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 | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|  | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|  |                 |                    |

|   |             |             |
|---|-------------|-------------|
| $\eta_s$  | 157 %       | 111 %       |
| Prated  | 7.12 kW     | 6.7 kW      |
| SCOP  | 4           | 2.86        |
| Tbiv  | -7 °C       | -7 °C       |
| TOL   | -10 °C      | -10 °C      |
| Pdh Tj = -7°C                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = -7°C                                       | 2.8         | 1.4         |
| Cdh Tj = -7 °C                                      | 0.993       | 0.996       |
| Pdh Tj = +2°C                                       | 3.95 kW     | 3.66 kW     |
| COP Tj = +2°C                                       | 4.29        | 3.07        |
| Cdh Tj = +2 °C                                      | 0.984       | 0.987       |
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + EHSD-\*M\*E**

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | PXZ-5F85VG + EHSD-*M*E |
| Application                         | Heating (medium temp)  |
| Units                               | Indoor, Outdoor        |
| Climate zone (for heating)          | n/a                    |
| Heat Source                         | Outdoor Air            |
| 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 |
| Starting and operating test   | passed |

**EN 14511-2 | Heating**

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 157 %           | 111 %              |
| Prated         | 7.12 kW         | 6.7 kW             |
| SCOP           | 4               | 2.86               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 6.33 kW         | 5.93 kW            |
| COP Tj = -7°C  | 2.8             | 1.4                |
| Cdh Tj = -7 °C | 0.993           | 0.996              |
| Pdh Tj = +2°C  | 3.95 kW         | 3.66 kW            |
| COP Tj = +2°C  | 4.29            | 3.07               |
| Cdh Tj = +2 °C | 0.984           | 0.987              |

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |

**Model PXZ-5F85VG + ERSD-\*M\*E**

|                                     |                        |
|-------------------------------------|------------------------|
| Model name                          | PXZ-5F85VG + ERSD-*M*E |
| Application                         | Heating (medium temp)  |
| Units                               | Indoor, Outdoor        |
| Climate zone (for heating)          | n/a                    |
| Heat Source                         | Outdoor Air            |
| Reversibility                       | Yes                    |
| 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 |
| Starting and operating test   | passed |

**EN 14511-2 | Heating**

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.5 kW          | 8.5 kW             |
| El input    | 1.96 kW         | 3.31 kW            |
| COP         | 4.34            | 2.57               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor  | 41 dB(A)        | 41 dB(A)           |
| Sound power level outdoor | 64 dB(A)        | 64 dB(A)           |

**EN 14825 | Average Climate**

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 157 %           | 111 %              |
| Prated         | 7.12 kW         | 6.7 kW             |
| SCOP           | 4               | 2.86               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 6.33 kW         | 5.93 kW            |
| COP Tj = -7°C  | 2.8             | 1.4                |
| Cdh Tj = -7 °C | 0.993           | 0.996              |
| Pdh Tj = +2°C  | 3.95 kW         | 3.66 kW            |
| COP Tj = +2°C  | 4.29            | 3.07               |

|   |             |             |
|---|-------------|-------------|
| Cdh Tj = +2 °C                                      | 0.984       | 0.987       |
| Pdh Tj = +7°C                                       | 2.62 kW     | 2.45 kW     |
| COP Tj = +7°C                                       | 4.72        | 3.92        |
| Cdh Tj = +7 °C                                      | 0.973       | 0.976       |
| Pdh Tj = 12°C                                       | 2.29 kW     | 2.07 kW     |
| COP Tj = 12°C                                       | 4.33        | 4.48        |
| Cdh Tj = +12 °C                                     | 0.972       | 0.968       |
| Pdh Tj = Tbiv                                       | 6.33 kW     | 5.93 kW     |
| COP Tj = Tbiv                                       | 2.8         | 1.4         |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.8 kW      | 5.13 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.5         | 1.21        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.994       | 0.996       |
| WTOL  | 55 °C       | 55 °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                          | 0.32 kW     | 1.57 kW     |
| Annual energy consumption Qhe                       | 3679 kWh    | 4846 kWh    |