

This information was generated by the HP KEYMARK database on 15 Mar 2023

| | | | |
|---------------------|---|----------|----------------|
| Summary of | Ecodan Multi Inverter 5+300D | Reg. No. | 037-0100-23 |
| Certificate Holder | | | |
| Name | Mitsubishi Electric Air Conditioning Systems Europe LTD | | |
| Address | Nettlehill Road, Houston Industrial Estate | ZIP | EH54 5EQ |
| City | Livingston | Country | United Kingdom |
| Certification Body | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) | | |
| Subtype title | Ecodan Multi Inverter 5+300D | | |
| 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 | | |

Model: PXZ-5F85VG + EHST30D-*M*D

Configure model

| | |
|-------------------------------------|---------------------------|
| Model name | PXZ-5F85VG + EHST30D-*M*D |
| Application | Heating + DHW + low temp |
| Units | Indoor + 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 | 8.5 kW | 8.5 kW |
| El input | 1.96 kW | 3.31 kW |
| COP | 4.34 | 2.57 |

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 15 Mar 2023

EN 12102-1

| | 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

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

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| | | |
|---|-------------|-------------|
| 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 |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 15 Mar 2023

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 110 % |
| COP | 2.7 |
| Heating up time | 2:46 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 417 l |

Model: PXZ-5F85VG + ERST30D-*M*D

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|-------------------------------------|---------------------------|
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| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

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