

This information was generated by the HP KEYMARK database on 8 Mar 2021

| | | | |
|---------------------|---------------------------------------|----------|-------------|
| Summary of | DAITSU MONOBLOC 3D SMART 18 | Reg. No. | 041-K010-02 |
| Certificate Holder | | | |
| Name | Eurofred S.A. | | |
| Address | Marqués de Sentmenat, 97 | Zip | 08029 |
| City | Barcelona | Country | Spain |
| Certification Body | BRE Global Limited | | |
| Subtype title | DAITSU MONOBLOC 3D SMART 18 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass Of Refrigerant | 0.87 kg | | |
| Certification Date | 08.03.2021 | | |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 08 | | |

Model: AOWD-MB SMART-18K + WITD-AQUATANK MB-300

General Data

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

Heating

EN 14511-2

| | Medium temperature |
|-------------|--------------------|
| Heat output | 5.00 kW |
| El input | 1.98 kW |
| COP | 2.53 |

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

EN 12102-1

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

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| EN 14825 | |
|-----------------|---------------------------|
| | Medium temperature |
| η_s | 127 % |
| Prated | 6.00 kW |
| SCOP | 3.26 |
| Tbiv | -7 °C |
| TOL | -10 °C |
| Pdh Tj = -7°C | 5.52 kW |
| COP Tj = -7°C | 2.22 |
| Cdh | 0.970 |
| Pdh Tj = +2°C | 3.31 kW |
| COP Tj = +2°C | 3.13 |
| Cdh | 0.970 |
| Pdh Tj = +7°C | 2.46 kW |
| COP Tj = +7°C | 4.19 |
| Cdh | 0.970 |
| Pdh Tj = 12°C | 2.98 kW |
| COP Tj = 12°C | 5.52 |
| Cdh | 0.970 |
| Pdh Tj = Tbiv | 5.22 kW |
| COP Tj = Tbiv | 2.22 |

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| | |
|---|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.34 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.78 |
| WTOL | 55 °C |
| Poff | 18 W |
| PTO | 18 W |
| PSB | 18 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | electricity |
| Supplementary Heater: PSUP | 1.66 kW |
| Annual energy consumption Qhe | 3808 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 106 % |
| COP | 2.53 |
| Heating up time | 2.59 h:min |
| Standby power input | 62.2 W |
| Reference hot water temperature | 51.7 °C |
| Mixed water at 40°C | 379 l |