

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|---------------------------------------|----------|-------------|
| Summary of | DAITSU MONOBLOC 3D SMART 40 | Reg. No. | 041-K010-05 |
| 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 40 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 2.2 kg | | |
| Certification Date | 08.03.2021 | | |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 08 | | |

Model: AOWD-MB SMART-40K + WITD-AQUATANK MB-300-2

| Configure model | |
|-------------------------------------|--------------------------------------------|
| Model name | AOWD-MB SMART-40K + WITD-AQUATANK MB-300-2 |
| Application | Heating + DHW |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | |
|-------------|---------------------------|
| | Medium temperature |
| Heat output | 10.50 kW |
| El input | 4.12 kW |
| COP | 2.55 |

| 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

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EN 12102-1

Medium temperature

Sound power level outdoor

69 dB(A)

EN 14825

Medium temperature

 η_s

126 %

Prated

10.00 kW

SCOP

3.23

Tbiv

-7 °C

TOL

-10 °C

Pdh Tj = -7°C

8.40 kW

COP Tj = -7°C

2.05

Cdh Tj = -7 °C

0.980

Pdh Tj = +2°C

5.50 kW

COP Tj = +2°C

3.15

Cdh Tj = +2 °C

0.980

Pdh Tj = +7°C

5.76 kW

COP Tj = +7°C

4.24

Cdh Tj = +7 °C

0.980

Pdh Tj = 12°C

6.36 kW

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| | |
|-----------------------------------------------------|-------------|
| COP Tj = 12°C | 5.06 |
| Cdh Tj = +12 °C | 0.980 |
| Pdh Tj = Tbiv | 8.40 kW |
| COP Tj = Tbiv | 2.05 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.75 |
| 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 | 0.20 kW |
| Annual energy consumption Qhe | 6406 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 110 % |
| COP | 2.62 |
| Heating up time | 1:52 h:min |
| Standby power input | 62.6 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 372 l |

Model: AOWD-MB SMART-40TK + WITD-AQUATANK MB-300-3

| Configure model | |
|-------------------------------------|---------------------------------------------|
| Model name | AOWD-MB SMART-40TK + WITD-AQUATANK MB-300-3 |
| Application | Heating + DHW |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | |
|-------------|--------------------|
| | Medium temperature |
| Heat output | 10.50 kW |
| El input | 4.12 kW |
| COP | 2.55 |

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

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COP Tj = -7°C

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Cdh Tj = -7 °C

0.980

Pdh Tj = +2°C

5.50 kW

COP Tj = +2°C

3.15

Cdh Tj = +2 °C

0.980

Pdh Tj = +7°C

5.76 kW

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