Subtype DAITSU MONOBLOC 3D SMART 18

Certificate Holder	Eurofred S.A.
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ZIP	08029
City	Barcelona
Country	ES
Certification Body	BRE Global Limited
Subtype title	DAITSU MONOBLOC 3D SMART 18
Registration number	041-K010-02
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

Model name	AOWD-MB SMART-18K + WITD-AQUATANK MB-300
Application	Heating + DHW
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	30.11.2025

General data

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

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	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

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	5.00 kW	
El input	1.98 kW	
COP	2.53	

EN 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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 Tj = -7 °C	0.970
Pdh Tj = +2°C	3.31 kW
COP Tj = +2°C	3.13
Cdh Tj = +2 °C	0.970
Pdh Tj = +7°C	2.46 kW
COP Tj = +7°C	4.19
Cdh Tj = +7 °C	0.970
Pdh Tj = 12°C	2.98 kW
COP Tj = 12°C	5.52
Cdh Tj = +12 °C	0.970
Pdh Tj = Tbiv	5.22 kW
COP Tj = Tbiv	2.22
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