CEN heat pump KEYMARK

Login

Summary of	DAITSU MONOBLOC 3D SMART 54	Reg. No.	041-K010-07

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 54		
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-54K + WITD-AQUATANK MB-300-2

Configure model	
Model name	AOWD-MB SMART-54K + 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	16.71 kW
El input	5.90 kW
COP	2.83

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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1

	Medium temperature
Sound power level outdoor	72 dB(A)

EN 14825

	Medium temperature
η_s	126 %
Prated	13.00 kW
SCOP	3.24
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	11.98 kW
COP Tj = -7°C	2.05
Cdh Tj = -7 °C	0.980
Pdh Tj = +2°C	7.41 kW
COP Tj = +2°C	3.19
Cdh Tj = +2 °C	0.980
Pdh Tj = +7°C	5.70 kW
COP Tj = +7°C	4.18
Cdh Tj = +7 °C	0.980
Pdh Tj = 12°C	6.38 kW

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COP Tj = 12°C	5.14
Cdh Tj = +12 °C	0.980
Pdh Tj = Tbiv	11.98 kW
COP Tj = Tbiv	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 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	2.59 kW
Annual energy consumption Qhe	8292 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147

Declared load profile	XL
Efficiency ηDHW	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

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Model: AOWD-MB SMART-54TK + WITD-AQUATANK MB-300-3

Configure model	
Model name	AOWD-MB SMART-54TK + 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	16.71 kW
El input	5.90 kW
COP	2.83

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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