

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

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Summary of	DAITSU MONOBLOC 3D SMART 45	Reg. No.	041-K010-06
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 45		
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-45K + WITD-AQUATANK MB-300-2

Configure model	
Model name	AOWD-MB SMART-45K + 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	13.50 kW
El input	5.19 kW
COP	2.60

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

70 dB(A)

### EN 14825

#### Medium temperature

 $\eta_s$ 

127 %

Prated

11.00 kW

SCOP

3.25

Tbiv

-7 °C

TOL

-10 °C

Pdh Tj = -7°C

10.34 kW

COP Tj = -7°C

2.13

Cdh Tj = -7 °C

0.980

Pdh Tj = +2°C

6.00 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	10.34 kW
COP Tj = Tbiv	2.13
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	0.59 kW
Annual energy consumption Qhe	6993 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	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-45TK + WITD-AQUATANK MB-300-3

Configure model	
Model name	AOWD-MB SMART-45TK + 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	13.50 kW
El input	5.19 kW
COP	2.60

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

70 dB(A)

### EN 14825

#### Medium temperature

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Pdh Tj = -7°C

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COP Tj = -7°C

2.13

Cdh Tj = -7 °C

0.980

Pdh Tj = +2°C

6.00 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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Pdh Tj = Tbiv	10.34 kW
COP Tj = Tbiv	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.41 kW
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