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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

Configure model	
Model name	AOWD-MB SMART-18K + WITD-AQUATANK MB-300
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	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

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EN 12102-1

Medium temperature

Sound power level outdoor

64 dB(A)

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 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

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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

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