

This information was downloaded from the HP KEYMARK database on 24 Sep 2020

Summary of	Ecodan Eco Inverter 8-300D	Reg. No.	037-0006-19
Certificate Holder			
Name	Mitsubishi Electric Air Conditioning Systems Europe LTD		
Address	Nettlehill Road, Houston Industrial Estate	Zip	EH54 5EQ
City	Livingston	Country	United Kingdom
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Name of testing laboratory	Heat Pump Test Center WPZ, Switzerland		
Subtype title	Ecodan Eco Inverter 8-300D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	HFC-32		
Mass Of Refrigerant	1.2 kg		
Certification Date	15.10.2019		
Testing basis	HP Keymark scheme rules rev. no. 6		

Model: SUZ-SWM80VA + ERST30D-VM*D

General Data

Power supply	1x230V 50Hz
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Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	187 %	133 %
Prated	7.10 kW	7.10 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	3.00	2.06
Cdh	0.99	0.99
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.63	3.39
Cdh	0.98	0.98
Pdh Tj = +7°C	2.70 kW	2.50 kW
COP Tj = +7°C	6.14	4.24
Cdh	0.96	0.97

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Pdh Tj = 12 °C	2.60 kW	2.60 kW
COP Tj = 12 °C	8.39	6.34
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.30 kW	6.30 kW
COP Tj = Tbiv	3.00	2.06
Pdh Tj = TOL	5.90 kW	5.90 kW
COP Tj = TOL	2.65	1.83
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.10 kW	1.10 kW
Annual energy consumption Qhe	3060 kWh	4268 kWh

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	60 dB(A)	62 dB(A)

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.20 kW
El input	1.60 kW	2.56 kW
COP	4.70	2.81
Indoor water flow rate	1.29 m ³ /h	0.77 m ³ /h

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	128 %
COP	3.13
Heating up time	03:31 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l