

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
$\eta_s$	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

<b>EN 14511-2</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
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 <sup>3</sup> /h	0.77 m <sup>3</sup> /h

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

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	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