

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Ecodan Power Inverter 12-300D	Reg. No.	037-0013-20
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 Power Inverter 12-300D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	4.6 kg		
Certification Date	14.02.2020		
Testing basis	HP Keymark scheme rules rev. no. 6		

Model: PUAZ-SW120VHA + EHST30C-M*D

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.20 kW
El input	3.90 kW	6.03 kW
COP	4.10	2.52
Indoor water flow rate	2.75 m ³ /h	1.63 m ³ /h

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

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	162 %	125 %
Prated	12.90 kW	12.10 kW
SCOP	4.13	3.21
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.40 kW	10.70 kW
COP Tj = -7°C	2.37	1.83
Cdh	1.00	1.00
Pdh Tj = +2°C	6.90 kW	6.50 kW
COP Tj = +2°C	4.17	3.12
Cdh	1.00	0.99
Pdh Tj = +7°C	6.50 kW	6.00 kW
COP Tj = +7°C	5.55	4.47
Cdh	1.00	0.99

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Pdh Tj = 12°C	7.70 kW	7.40 kW
COP Tj = 12°C	7.31	6.50
Cdh	1.00	0.99
Pdh Tj = Tbiv	11.40 kW	10.70 kW
COP Tj = Tbiv	2.37	1.83
Pdh Tj = TOL	9.50 kW	10.00 kW
COP Tj = TOL	1.81	1.74
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	1.90 kW	2.10 kW
Annual energy consumption Qhe	6303 kWh	7643 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	118 %
COP	2.84
Heating up time	02:12 h:min
Standby power input	43.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: PUAZ-SW120VHA + EHST30C-YM*D

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.20 kW
El input	3.90 kW	6.03 kW
COP	4.10	2.52
Indoor water flow rate	2.75 m ³ /h	1.63 m ³ /h

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Model: PUAZ-SW120VHA + ERST30C-VM*D

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

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Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	164 %	127 %
Prated	12.90 kW	12.10 kW
SCOP	4.18	3.24
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.40 kW	10.70 kW
COP Tj = -7°C	2.37	1.83
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Supplementary Heater: PSUP	1.90 kW	2.10 kW
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Mixed water at 40°C	417 l

Model: PUAZ-SW120YHA + EHST30C-M*D

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.20 kW
El input	3.90 kW	6.03 kW
COP	4.10	2.52
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WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.90 kW	2.10 kW
Annual energy consumption Qhe	6311 kWh	7603 kWh

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