

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

Summary of	Ecodan Zubadan 14-300D	Reg. No.	037-0014-20
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 Zubadan 14-300D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	5.5 kg		
Certification Date	14.02.2020		
Testing basis	HP Keymark scheme rules rev. no. 6		

Model: PUAZ-SHW140YHA + EHST30C-M*D

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.32 kW	5.62 kW
COP	4.22	2.49
Indoor water flow rate	2.41 m ³ /h	1.51 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

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	164 %	127 %
Prated	17.00 kW	15.80 kW
SCOP	4.16	3.25
Tbiv	-7 °C	-7 °C
TOL	-28 °C	-28 °C
Pdh Tj = -7°C	15.00 kW	14.00 kW
COP Tj = -7°C	2.59	1.84
Cdh	0.99	1.00
Pdh Tj = +2°C	9.10 kW	8.50 kW
COP Tj = +2°C	4.02	3.13
Cdh	0.99	0.99
Pdh Tj = +7°C	5.90 kW	5.50 kW
COP Tj = +7°C	5.69	4.67
Cdh	0.99	0.98

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Pdh Tj = 12°C	7.30 kW	7.00 kW
COP Tj = 12°C	7.47	6.62
Cdh	0.99	0.98
Pdh Tj = Tbiv	15.00 kW	14.00 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL	14.70 kW	14.70 kW
COP Tj = TOL	1.78	1.56
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	2.10 kW	5.20 kW
Annual energy consumption Qhe	8253 kWh	9869 kWh

Domestic Hot Water (DHW)

Average Climate

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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-SHW140YHA + EHST30C-YM*D

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