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Summary of	Ecodan Zubadan 14-300D	Reg. No.	037-0014-20	
Certificate Holder				
Name	Mitsubishi Electric Air Conditioning Systems Euro	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: PUHZ-SHW140YHA + EHST30C-M\*D

General Data	
Power supply 3x400V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	3.32 kW	5.62 kW
СОР	4.22	2.49
Indoor water flow rate	2.41 m³/h	1.51 m³/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	



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
$\eta_{s}$	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
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	o 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)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	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	



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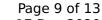
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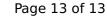
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