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

Summary of	Ecodan Mr.SLIM+ 8-200D	Reg. No.	037-0029-20
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 Mr.SLIM+ 8-200D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.8 kg		
Certification Date	06.03.2020		
Testing basis	HP Keymark scheme rules rev. no. 6		

Model: PUHZ-FRP71VHA2 + EHST20C-M*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.98 kW	3.15 kW
COP	4.05	2.54
Indoor water flow rate	1.37 m³/h	0.86 m³/h

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	163 %	121 %
Prated	7.50 kW	7.50 kW
SCOP	4.15	3.11
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.60 kW	6.90 kW
COP Tj = -7°C	2.54	2.04
Cdh	0.99	0.99
Pdh Tj = +2°C	4.70 kW	4.10 kW
COP Tj = +2°C	4.20	3.04
Cdh	0.98	0.98
Pdh Tj = +7°C	5.40 kW	2.80 kW
COP Tj = +7°C	5.32	3.99
Cdh	0.98	0.97

Pdh Tj = 12°C	6.20 kW	1.60 kW
COP Tj = 12°C	7.16	4.59
Cdh	0.97	0.94
Pdh Tj = Tbiv	6.60 kW	6.90 kW
COP Tj = Tbiv	2.54	2.03
Pdh Tj = TOL	4.10 kW	4.10 kW
COP Tj = TOL	1.33	1.31
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.40 kW	1.20 kW
Annual energy consumption Qhe	3667 kWh	4923 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	138 %
COP	3.26
Heating up time	02:22 h:min
Standby power input	37.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	292 l

Model: PUHZ-FRP71VHA2 + EHST20C-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

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	Low temperature	**Medium temperature**
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Mixed water at 40°C	292 l

Model: PUHZ-FRP71VHA2 + EHST20C-YM*D

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.98 kW	3.15 kW
COP	4.05	2.54
Indoor water flow rate	1.37 m³/h	0.86 m³/h

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

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Model: PUHZ-FRP71VHA2 + EHSC-M*D

General Data	
Power supply	1x230V 50Hz

Heating

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	Low temperature	**Medium temperature**
Heat output	8.00 kW	8.00 kW
El input	1.98 kW	3.15 kW
COP	4.05	2.54
Indoor water flow rate	1.37 m³/h	0.86 m³/h

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Annual energy consumption Qhe	3667 kWh	4923 kWh

Model: PUHZ-FRP71VHA2 + EHSC-VM*D

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Power supply	1x230V 50Hz

Heating

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