

This information was generated by the HP KEYMARK database on 25 Feb 2023

	Ecodan Multi Inverter 4+300D	Reg. No.	037-0097-22
Certificate Holder			
	Mitsubishi Electric Air Conditioning Systems Europe LTD		
	Nettlehill Road, Houston Industrial Estate		EH54 5EQ
	Livingston		United Kingdom
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Subtype title	Ecodan Multi Inverter 4+300D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.4 kg		
Certification Date	21.11.2022		
Testing basis	HP Keymark scheme rules rev. no. 9		

Model: PXZ-4F75VG + EHST30D-*M*D

Configure model	
Model name	PXZ-4F75VG + EHST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.8 kW	2.92 kW
COP	4.17	2.57

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	41 dB(A)	41 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	154 %	113 %
Prated	6.1 kW	6.1 kW
SCOP	3.92	2.91
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.4 kW	5.4 kW
COP Tj = -7°C	2.44	1.57
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	3.31 kW	3.58 kW
COP Tj = +2°C	4.08	3.04
Cdh Tj = +2 °C	0.982	0.987
Pdh Tj = +7°C	2.16 kW	2.25 kW
COP Tj = +7°C	5.07	3.96
Cdh Tj = +7 °C	0.965	0.974

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Pdh Tj = 12°C	1.59 kW	1.49 kW
COP Tj = 12°C	5.51	4.51
Cdh Tj = +12 °C	0.948	0.955
Pdh Tj = Tbiv	5.4 kW	5.4 kW
COP Tj = Tbiv	2.44	1.57
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.01 kW	4.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.31	1.33
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.996
WTOL	55 °C	55 °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	1.09 kW	1.59 kW
Annual energy consumption Qhe	3212 kWh	4335 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	118 %
COP	2.89
Heating up time	3:19 h:min
Standby power input	37 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

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