

This information was generated by the HP KEYMARK database on 15 Mar 2023

Summary of	Ecodan Multi Inverter 5+170D	Reg. No.	037-0098-23
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)		
Subtype title	Ecodan Multi Inverter 5+170D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.4 kg		
Certification Date	15.03.2023		
Testing basis	HP Keymark scheme rules rev. no. 9		

Model: PXZ-5F85VG + EHST17D-*M*D

Configure model

Model name	PXZ-5F85VG + EHST17D-*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	8.5 kW	8.5 kW
El input	1.96 kW	3.31 kW
COP	4.34	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

This information was generated by the HP KEYMARK database on 15 Mar 2023

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	157 %	111 %
Prated	7.12 kW	6.7 kW
SCOP	4	2.86
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.33 kW	5.93 kW
COP Tj = -7°C	2.8	1.4
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	3.95 kW	3.66 kW
COP Tj = +2°C	4.29	3.07
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	2.62 kW	2.45 kW
COP Tj = +7°C	4.72	3.92
Cdh Tj = +7 °C	0.973	0.976

This information was generated by the HP KEYMARK database on 15 Mar 2023

Pdh Tj = 12°C	2.29 kW	2.07 kW
COP Tj = 12°C	4.33	4.48
Cdh Tj = +12 °C	0.972	0.968
Pdh Tj = Tbiv	6.33 kW	5.93 kW
COP Tj = Tbiv	2.8	1.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	5.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.5	1.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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	0.32 kW	1.57 kW
Annual energy consumption Qhe	3679 kWh	4846 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 15 Mar 2023

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	121 %
COP	2.92
Heating up time	1:35 h:min
Standby power input	34.0 W
Reference hot water temperature	54.5 °C
Mixed water at 40°C	236 l

Model: PXZ-5F85VG + ERST17D-*M*D

Configure model	
Model name	PXZ-5F85VG + ERST17D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.5 kW	8.5 kW
El input	1.96 kW	3.31 kW
COP	4.34	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

This information was generated by the HP KEYMARK database on 15 Mar 2023

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	157 %	111 %
Prated	7.12 kW	6.7 kW
SCOP	4	2.86
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.33 kW	5.93 kW
COP Tj = -7°C	2.8	1.4
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	3.95 kW	3.66 kW
COP Tj = +2°C	4.29	3.07
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	2.62 kW	2.45 kW
COP Tj = +7°C	4.72	3.92
Cdh Tj = +7 °C	0.973	0.976

This information was generated by the HP KEYMARK database on 15 Mar 2023

Pdh Tj = 12°C	2.29 kW	2.07 kW
COP Tj = 12°C	4.33	4.48
Cdh Tj = +12 °C	0.972	0.968
Pdh Tj = Tbiv	6.33 kW	5.93 kW
COP Tj = Tbiv	2.8	1.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.8 kW	5.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.5	1.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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	0.32 kW	1.57 kW
Annual energy consumption Qhe	3679 kWh	4846 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 15 Mar 2023

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	121 %
COP	2.92
Heating up time	1:35 h:min
Standby power input	34.0 W
Reference hot water temperature	54.5 °C
Mixed water at 40°C	236 l