

English

Single View for Model

SUBTYPE

Ecodan Eco Inverter 3/4H+170D

Heat Pump Type: Outdoor Air/Water

APPLICANT

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)

Hudcova 424/56b

621 00 Brno

Czech Republic

SUZ-SWM40VA2 + ERST17D-*M*BE

Configure model

Model name	SUZ-SWM40VA2 + ERST17D-*M*BE
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	3 kW	3.6 kW
El input	0.59 kW	1.29 kW
COP	5.11	2.79

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling

EN 14511-2			
	+7°C/+12°C	+18°C/+23°C	
El input	1.36 kW	1.19 kW	
Cooling capacity	4.5	5.6	
EER	3.31	4.71	
EN 14825			
	+7°C/+12°C	+18°C/+23°C	
Pdesignc	4.5 kW	5.6 kW	
SEER	4.66	5.72	
Pdc Tj = 35°C	4.5 kW	5.6 kW	
EER Tj = 35°C	3.31	4.71	
Cdc Tj = 35 °C	0.993	0.992	
Pdc Tj = 30°C	3.32 kW	4.13 kW	
EER Tj = 30°C	4.11	6.31	
Cdc Tj = 30 °C	0.988	0.985	
Pdc Tj = 25°C	2.13 kW	2.69 kW	
EER Tj = 25°C	4.9	4.67	
Cdc Tj = 25 °C	0.977	0.983	
Pdc Tj = 20°C	1.54 kW	1.96 kW	
EER Tj = 20°C	6.58	9	
Cdc Tj = 20 °C	0.957	0.954	
Poff	10 W	10 W	
PTO	10 W	10 W	
PSB	10 W	10 W	
PCK	0 W	0 W	
Annual energy consumption Qce	580 kWh	587 kWh	

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	54 dB(A)	54 dB(A)	
EN 14825			
	Low temperature	Medium temperature	
η_s	200 %	135 %	

Prated	4.7 kW	4.5 kW
SCOP	5.06	3.45
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	4.2 kW	4 kW
COP Tj = -7°C	3.43	2.23
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	2.6 kW	2.5 kW
COP Tj = +2°C	4.73	3.21
Cdh Tj = +2 °C	0.982	0.987
Pdh Tj = +7°C	2.4 kW	2.2 kW
COP Tj = +7°C	6.64	4.6
Cdh Tj = +7 °C	0.972	0.979
Pdh Tj = 12°C	2.4 kW	2.8 kW
COP Tj = 12°C	9.54	6.94
Cdh Tj = +12 °C	0.96	0.975
Pdh Tj = Tbiv	4.7 kW	4 kW
COP Tj = Tbiv	2.91	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.7 kW	4.3 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0.2 kW
Annual energy consumption Qhe	1918 kWh	2699 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency η_{DHW}	136 %
COP	3.32

Heating up time	2:36 h:min
Standby power input	22.4 W
Reference hot water temperature	53 °C
Mixed water at 40°C	236 l

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