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English

Single View for Model

SUBTYPE

Ecodan Eco Inverter 4/6H+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-SWM60VA2 + ERST17D-*M*BE

Configure model

Model name	SUZ-SWM60VA2 + 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

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.03 kW	1.81 kW
COP	4.85	2.77

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	1.57 kW	1.29 kW
Cooling capacity	5	6
EER	3.18	4.65

EN 14825

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5 kW	6 kW
SEER	4.93	6.17
Pdc Tj = 35°C	5 kW	6 kW
EER Tj = 35°C	3.18	4.65
Cdc Tj = 35 °C	0.99	0.988
Pdc Tj = 30°C	3.68 kW	4.42 kW
EER Tj = 30°C	4.2	5.94
Cdc Tj = 30 °C	0.983	0.98
Pdc Tj = 25°C	2.37 kW	2.84 kW
EER Tj = 25°C	5.53	8.28
Cdc Tj = 25 °C	0.965	0.956
Pdc Tj = 20°C	2.1 kW	1.93 kW
EER Tj = 20°C	7.5	5.6
Cdc Tj = 20 °C	0.946	0.956
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	609 kWh	583 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	189 %	136 %

Prated	6.1 kW	6 kW
SCOP	4.8	3.48
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.79	1.95
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.3 kW	3.3 kW
COP Tj = +2°C	4.73	3.42
Cdh Tj = +2 °C	0.978	0.984
Pdh Tj = +7°C	3.2 kW	2.6 kW
COP Tj = +7°C	6.22	4.72
Cdh Tj = +7 °C	0.971	0.973
Pdh Tj = 12°C	3.2 kW	3.5 kW
COP Tj = 12°C	9.9	6.95
Cdh Tj = +12 °C	0.954	0.97
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.54	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.994
WTOL	60 °C	60 °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 kW	1 kW
Annual energy consumption Qhe	2626 kWh	3560 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	135 %
COP	3.29

Heating up time	2:34 h:min
Standby power input	22.6 W
Reference hot water temperature	53 °C
Mixed water at 40°C	236 l

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