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English

Single View for Model

SUBTYPE

Ecodan Eco Inverter 6/8/10H+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-SWM80VA2 + ERST17D-*M*BE

Configure model

Model name	SUZ-SWM80VA2 + 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	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

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	2.09 kW	1.32 kW
Cooling capacity	6.7	6.7
EER	3.2	5.06

EN 14825

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.7 kW	6.7 kW
SEER	5.16	6.97
Pdc Tj = 35°C	6.7 kW	6.7 kW
EER Tj = 35°C	3.2	5.06
Cdc Tj = 35 °C	0.993	0.989
Pdc Tj = 30°C	4.94 kW	4.94 kW
EER Tj = 30°C	4.35	6.38
Cdc Tj = 30 °C	0.987	0.981
Pdc Tj = 25°C	3.17 kW	3.6 kW
EER Tj = 25°C	5.96	8.53
Cdc Tj = 25 °C	0.972	0.964
Pdc Tj = 20°C	2.8 kW	3.8 kW
EER Tj = 20°C	7.2	8.12
Cdc Tj = 20 °C	0.961	0.968
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	779 kWh	577 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	187 %	135 %

Prated	6.6 kW	7 kW
SCOP	4.74	3.44
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
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	1.2 kW
Annual energy consumption Qhe	2874 kWh	4207 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	142 %
COP	3.47

Heating up time	1:48 h:min
Standby power input	23 W
Reference hot water temperature	53 °C
Mixed water at 40°C	236 l

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