

English

Single View for Model

SUBTYPE

Ecodan Eco Inverter 3/4H+200D

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-SWM30VA + ERSD-*M*E

Configure model	
Model name	SUZ-SWM30VA + ERSD-*M*E
Application	Heating (medium 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		3 kW	3.6 kW
El input		0.59 kW	1.27 kW
COP		5.11	2.83
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	0.99 kW	0.64 kW
Cooling capacity	3.5	3.5
EER	3.52	5.51

EN 14825

	+7°C/+12°C	+18°C/+23°C
Pdesignc	3.5 kW	3.5 kW
SEER	4.69	5.89
Pdc Tj = 35°C	3.5 kW	3.5 kW
EER Tj = 35°C	3.52	5.51
Cdc Tj = 35 °C	0.99	0.984
Pdc Tj = 30°C	2.58 kW	2.58 kW
EER Tj = 30°C	4.22	6.56
Cdc Tj = 30 °C	0.984	0.975
Pdc Tj = 25°C	1.66 kW	1.89 kW
EER Tj = 25°C	4.73	4.86
Cdc Tj = 25 °C	0.972	0.974
Pdc Tj = 20°C	1.53 kW	1.93 kW
EER Tj = 20°C	7.35	10.05
Cdc Tj = 20 °C	0.952	0.948
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Annual energy consumption Qce	447 kWh	357 kWh

Average Climate

EN 12102-1

	Low temperature	Medium tempera
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	195 %	133 %
Prated	4 kW	3.6 kW
SCOP	4.95	3.39
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = -7°C	3.4	2.27
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.2 kW	2 kW
COP Tj = +2°C	4.63	3.13
Cdh Tj = +2 °C	0.979	0.984
Pdh Tj = +7°C	2.4 kW	2.2 kW
COP Tj = +7°C	6.51	4.53
Cdh Tj = +7 °C	0.973	0.979
Pdh Tj = 12°C	2.4 kW	2 kW
COP Tj = 12°C	9.28	7.17
Cdh Tj = +12 °C	0.961	0.964
Pdh Tj = Tbiv	4 kW	3.6 kW
COP Tj = Tbiv	2.79	1.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4 kW	3.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	1.74
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	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 kW
Annual energy consumption Qhe	1670 kWh	2193 kWh

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