

English

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Single View for Model

SUBTYPE

Ecodan Eco Inverter 6/8/10H+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-SWM100VA + ERSD-*M*E

Configure model		
Model name	SUZ-SWM100VA + 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		7.5 kW	7.5 kW
El input		1.55 kW	2.68 kW
COP		4.85	2.8
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	2.43 kW	1.82 kW
Cooling capacity	7.3	8.1
EER	3	4.44

EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.3 kW	8.1 kW
SEER	5.08	6.74
Pdc Tj = 35°C	7.3 kW	8.1 kW
EER Tj = 35°C	3	4.44
Cdc Tj = 35 °C	0.994	0.992
Pdc Tj = 30°C	5.38 kW	5.97 kW
EER Tj = 30°C	4.24	6.05
Cdc Tj = 30 °C	0.988	0.985
Pdc Tj = 25°C	3.46 kW	4.2 kW
EER Tj = 25°C	5.94	8.29
Cdc Tj = 25 °C	0.974	0.97
Pdc Tj = 20°C	2.8 kW	3.9 kW
EER Tj = 20°C	7	7.72
Cdc Tj = 20 °C	0.963	0.97
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	863 kWh	722 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
ηs	182 %	134 %

Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
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	1.4 kW
Annual energy consumption Qhe	3492 kWh	4512 kWh