

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-SHWM60VAH + ERST20D-*M*E

Configure model		
Model name	SUZ-SHWM60VAH + ERST20D-*M*E	
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		1.01 kW	1.7 kW
COP		4.95	2.94
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	1.83 kW	1.15 kW
Cooling capacity	6	6
EER	3.28	5.21

EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6 kW	6 kW
SEER	5.19	7.02
Pdc Tj = 35°C	6 kW	6 kW
EER Tj = 35°C	3.28	5.21
Cdc Tj = 35 °C	0.992	0.987
Pdc Tj = 30°C	4.42 kW	4.42 kW
EER Tj = 30°C	4.45	6.5
Cdc Tj = 30 °C	0.985	0.978
Pdc Tj = 25°C	2.84 kW	3.4 kW
EER Tj = 25°C	5.93	8.66
Cdc Tj = 25 °C	0.969	0.962
Pdc Tj = 20°C	2.8 kW	3.8 kW
EER Tj = 20°C	7.41	8.28
Cdc Tj = 20 °C	0.96	0.967
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	694 kWh	513 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	178 %	128 %

Prated	6.1 kW	6 kW
SCOP	4.53	3.27
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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	0.2 kW
Annual energy consumption Qhe	2783 kWh	3794 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	148 %	

COP	3.58
Heating up time	2:11 h:min
Standby power input	25.4 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

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