

English

## Single View for Model

### SUBTYPE

#### Ecodan Eco Inverter 4/6H+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-SHWM40VAH + ERSD-\*M\*E

#### Configure model

Model name	SUZ-SHWM40VAH + 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
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## Heating

#### EN 14511-2

	Low temperature	Medium temperature
Heat output	3 kW	3.6 kW
El input	0.63 kW	1.29 kW
COP	4.77	2.79

#### 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			
	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>	
El input	1.35 kW	1.19 kW	
Cooling capacity	4.5	5.6	
EER	3.33	4.7	
EN 14825			
	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>	
Pdesignc	4.5 kW	5.6 kW	
SEER	4.91	6.23	
Pdc Tj = 35°C	4.5 kW	5.6 kW	
EER Tj = 35°C	3.33	4.7	
Cdc Tj = 35 °C	0.989	0.987	
Pdc Tj = 30°C	3.32 kW	4.13 kW	
EER Tj = 30°C	4.23	5.97	
Cdc Tj = 30 °C	0.981	0.978	
Pdc Tj = 25°C	2.13 kW	2.8 kW	
EER Tj = 25°C	5.41	8.43	
Cdc Tj = 25 °C	0.962	0.955	
Pdc Tj = 20°C	2.1 kW	1.93 kW	
EER Tj = 20°C	7.69	5.73	
Cdc Tj = 20 °C	0.945	0.955	
Poff	15 W	15 W	
PTO	15 W	15 W	
PSB	15 W	15 W	
PCK	0 W	0 W	
Annual energy consumption Qce	550 kWh	539 kWh	

## Average Climate

EN 12102-1			
	<b>Low temperature</b>	<b>Medium temperature</b>	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	56 dB(A)	56 dB(A)	
EN 14825			
	<b>Low temperature</b>	<b>Medium temperature</b>	
$\eta_s$	176 %	126 %	

Prated	5 kW	4.6 kW
SCOP	4.47	3.23
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	4.5 kW	4.1 kW
COP Tj = -7°C	2.57	2.14
Cdh Tj = -7 °C	0.991	0.992
Pdh Tj = +2°C	3.2 kW	2.8 kW
COP Tj = +2°C	4.29	2.91
Cdh Tj = +2 °C	0.98	0.984
Pdh Tj = +7°C	3 kW	2.6 kW
COP Tj = +7°C	6.19	4.62
Cdh Tj = +7 °C	0.969	0.973
Pdh Tj = 12°C	3.4 kW	3 kW
COP Tj = 12°C	10.44	7.16
Cdh Tj = +12 °C	0.954	0.964
Pdh Tj = Tbiv	5 kW	4.6 kW
COP Tj = Tbiv	2.37	1.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5 kW	4.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.37	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
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 kW
Annual energy consumption Qhe	2311 kWh	2939 kWh

[Back](#)
[Show Subtype](#)