

English

▼

Single View for Model

SUBTYPE

Ecodan Zubadan (TR) 14 + 200F AA

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

PUZ-SHWM140VAA + ERST20F-*M*E

Configure model		
Model name	PUZ-SHWM140VAA + ERST20F-*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	12 kW	7 kW
El input	2.47 kW	2.59 kW
COP	4.85	2.7
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	4.77 kW	3.73 kW
Cooling capacity	12.5	14
EER	2.62	3.75

EN 14825		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	12.5 kW	14 kW
SEER	3.61	4.9
Pdc Tj = 35°C	12.5 kW	14 kW
EER Tj = 35°C	2.62	3.75
Cdc Tj = 35 °C	0.997	0.996
Pdc Tj = 30°C	9.21 kW	10.32 kW
EER Tj = 30°C	3.47	4.93
Cdc Tj = 30 °C	0.994	0.993
Pdc Tj = 25°C	6 kW	6.63 kW
EER Tj = 25°C	4.2	5.1
Cdc Tj = 25 °C	0.99	0.988
Pdc Tj = 20°C	3.7 kW	4.7 kW
EER Tj = 20°C	3.49	5.4
Cdc Tj = 20 °C	0.986	0.983
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	2080 kWh	1714 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	185 %	142 %

Prated	14 kW	14 kW
SCOP	4.7	3.64
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.4 kW	12.4 kW
COP Tj = -7°C	3.04	2.2
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	7.5 kW	7.5 kW
COP Tj = +2°C	4.59	3.49
Cdh Tj = +2 °C	0.991	0.993
Pdh Tj = +7°C	6.4 kW	6.3 kW
COP Tj = +7°C	6	4.85
Cdh Tj = +7 °C	0.986	0.988
Pdh Tj = 12°C	4.1 kW	3.9 kW
COP Tj = 12°C	7.19	6.61
Cdh Tj = +12 °C	0.974	0.975
Pdh Tj = Tbiv	14 kW	14 kW
COP Tj = Tbiv	2.55	1.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14 kW	14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	70 °C	70 °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	6157 kWh	7952 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	

COP	3.09
Heating up time	1:45 h:min
Standby power input	43.7 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

- Back
- Show Subtype