This information was generated by the HP KEYMARK database on 25 Feb 2023

	Ecodan Eco Inverter 4/6H+200D	Reg. No.	037-0090-22
Certificate Holder			
	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)		
Subtype title	Ecodan Eco Inverter 4/6H+200D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	0.8 kg		
Certification Date	02.11.2022		
Testing basis	HP Keymark scheme rules rev. no. 9		

Model: SUZ-SHWM40VAH + ERST20D-*M*D

Configure model	
Model name	SUZ-SHWM40VAH + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825

	Low temperature	Medium temperature
η_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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	142 %
COP	3.45
Heating up time	2:36 h:min
Standby power input	26 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

Model: SUZ-SHWM40VAH + ERSD-*M*D

Configure model	
Model name	SUZ-SHWM40VAH + ERSD-*M*D
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
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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

Model: SUZ-SWM60VA2 + ERST20D-*M*D

Configure model	
Model name	SUZ-SWM60VA2 + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5 kW	5 kW
El input	1.03 kW	1.81 kW
COP	4.85	2.77

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	189 %	136 %
Prated	6.1 kW	6 kW
SCOP	4.8	3.48
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.79	1.95
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.3 kW	3.3 kW
COP Tj = +2°C	4.73	3.42
Cdh Tj = +2 °C	0.978	0.984
Pdh Tj = +7°C	3.2 kW	2.6 kW
COP Tj = +7°C	6.22	4.72
Cdh Tj = +7 °C	0.971	0.973

Pdh Tj = 12°C	3.2 kW	3.5 kW
COP Tj = 12°C	9.9	6.95
Cdh Tj = +12 °C	0.954	0.97
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.54	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.994
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 kW
Annual energy consumption Qhe	2626 kWh	3560 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	142 %
COP	3.45
Heating up time	2:36 h:min
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Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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COP Tj = Tbiv	2.54	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.994
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 kW
Annual energy consumption Qhe	2626 kWh	3560 kWh