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	Ecodan Eco Inverter 6/8/10H+200D	Reg. No.	037-0089-22
Certificate Holder			
Mitsubishi Electric Air Conditioning Systems Europe LTD			
	Nettlehill Road, Houston Industrial Estate	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 6/8/10H+200D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.1 kg		
Certification Date	02.11.2022		
Testing basis	HP Keymark scheme rules rev. no. 9		



Model: SUZ-SHWM60VAH + ERST20D-*M*D

Configure model		
Model name	SUZ-SHWM60VAH + 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	1.01 kW	1.7 kW
СОР	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



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 = $+7^{\circ}$ C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977

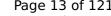


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3.7 kW	3.9 kW
7.11	6.53
0.971	0.975
6.1 kW	5.31 kW
2.26	1.85
6.1 kW	5.8 kW
2.26	1.64
0.994	0.996
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
Electricity	Electricity
0 kW	0.2 kW
2783 kWh	3794 kWh
	7.11 0.971 6.1 kW 2.26 6.1 kW 2.26 0.994 60 °C 15 W 15 W 0 W Electricity 0 kW

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	144 %	
СОР	3.5	
Heating up time	1:49 h:min	
Standby power input	25 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	274	



Model: SUZ-SHWM60VAH + ERSD-*M*D

Configure model		
Model name	SUZ-SHWM60VAH + 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	5 kW	5 kW
El input	1.01 kW	1.7 kW
СОР	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



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 = $+7^{\circ}$ C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977



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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
РТО	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



Model: SUZ-SWM80VA2 + ERST20D-*M*D

Configure model		
Model name	SUZ-SWM80VA2 + 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	6 kW	6 kW	
El input	1.18 kW	2 kW	
СОР	5.1	3	

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	135 %
Prated	6.6 kW	7 kW
SCOP	4.74	3.44
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = $+2$ °C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = $+7^{\circ}$ C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977

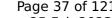


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3.7 kW	3.9 kW
7.38	6.67
0.97	0.974
6.6 kW	6.2 kW
2.4	1.91
6.6 kW	5.8 kW
2.4	1.68
0.995	0.996
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
Electricity	Electricity
0 kW	1.2 kW
2874 kWh	4207 kWh
	7.38 0.97 6.6 kW 2.4 6.6 kW 2.4 0.995 60 °C 15 W 15 W 15 W 0 W Electricity 0 kW

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	144 %
СОР	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274



Model: SUZ-SWM80VA2 + ERSD-*M*D

Configure model		
Model name SUZ-SWM80VA2 + 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	6 kW	6 kW	
El input	1.18 kW	2 kW	
СОР	5.1	3	

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	135 %
Prated	6.6 kW	7 kW
SCOP	4.74	3.44
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = $+2$ °C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = $+7^{\circ}$ C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977



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Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	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	1.2 kW
Annual energy consumption Qhe	2874 kWh	4207 kWh



Model: SUZ-SWM100VA + ERST20D-*M*D

Configure model		
Model name SUZ-SWM100VA + 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	7.5 kW	7.5 kW	
El input	1.55 kW	2.68 kW	
СОР	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



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)

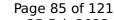
EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	134 %
Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +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
РТО	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

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	144 %	
СОР	3.5	
Heating up time	1:49 h:min	
Standby power input	25 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	274	



Model: SUZ-SWM100VA + ERSD-*M*D

Configure model		
Model name	SUZ-SWM100VA + 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	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	



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
η_{s}	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



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		-
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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o 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