

	<u>,                                      </u>		
	Ecodan Eco Inverter 3/4H+200D	Reg. No.	037-0091-22
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 3/4H+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-SWM30VA + ERST20D-\*M\*D

Configure model		
Model name SUZ-SWM30VA + 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

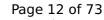
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3 kW	3.6 kW
El input	0.59 kW	1.27 kW
СОР	5.11	2.83

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	54 dB(A)	54 dB(A)

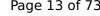
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	195 %	133 %
Prated	4 kW	3.6 kW
SCOP	4.95	3.39
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = -7°C	3.4	2.27
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.2 kW	2 kW
COP Tj = +2°C	4.63	3.13
Cdh Tj = +2 °C	0.979	0.984
Pdh Tj = $+7^{\circ}$ C	2.4 kW	2.2 kW
COP Tj = +7°C	6.51	4.53
Cdh Tj = +7 °C	0.973	0.979
	0.575	1.5.5





2.4 kW	2 kW
9.28	7.17
0.961	0.964
4 kW	3.6 kW
2.79	1.74
4 kW	3.6 kW
2.79	1.74
0.993	0.995
60 °C	60 °C
10 W	10 W
10 W	10 W
10 W	10 W
0 W	0 W
Electricity	Electricity
0 kW	0 kW
1670 kWh	2193 kWh
	9.28 0.961 4 kW 2.79 4 kW 2.79 0.993 60 °C 10 W 10 W 10 W Column 1

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	147 %	
СОР	3.57	
Heating up time	2:27 h:min	
Standby power input	25 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	274	



## Model: SUZ-SWM30VA + ERSD-\*M\*D

Configure model		
Model name	SUZ-SWM30VA + 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	0.59 kW	1.27 kW
СОР	5.11	2.83

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	195 %	133 %
Prated	4 kW	3.6 kW
SCOP	4.95	3.39
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = -7°C	3.4	2.27
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.2 kW	2 kW
COP Tj = +2°C	4.63	3.13
Cdh Tj = +2 °C	0.979	0.984
Pdh Tj = +7°C	2.4 kW	2.2 kW
COP Tj = +7°C	6.51	4.53
Cdh Tj = +7 °C	0.973	0.979



Pdh Tj = 12°C	2.4 kW	2 kW
COP Tj = 12°C	9.28	7.17
Cdh Tj = +12 °C	0.961	0.964
Pdh Tj = Tbiv	4 kW	3.6 kW
COP Tj = Tbiv	2.79	1.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4 kW	3.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	1.74
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	60 °C	60 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 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	1670 kWh	2193 kWh



## Model: SUZ-SHWM30VAH + EHST20D-M\*D

Configure model		
Model name	SUZ-SHWM30VAH + EHST20D-M*D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

### Heating

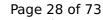
EN 14511-2			
Low temperature Medium temperature			
Heat output	3 kW	3.6 kW	
El input	0.59 kW	1.27 kW	
СОР	5.11	2.83	

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	54 dB(A)	54 dB(A)

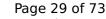
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	124 %
Prated	4 kW	3.6 kW
SCOP	4.59	3.17
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = -7°C	3.23	2.18
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = $+2$ °C	2.2 kW	2 kW
COP Tj = +2°C	4.19	2.87
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = $+7^{\circ}$ C	2.4 kW	2.2 kW
COP Tj = +7°C	6.62	4.53
Cdh Tj = +7 °C	0.972	0.979





2.4 kW	2 kW
9.51	7.17
0.96	0.964
4 kW	3.6 kW
2.69	1.69
4 kW	3.6 kW
2.69	1.69
0.993	0.995
60 °C	60 °C
10 W	10 W
10 W	10 W
10 W	10 W
0 W	0 W
Electricity	Electricity
0 kW	0 kW
1802 kWh	2347 kWh
	9.51 0.96 4 kW 2.69 4 kW 2.69 0.993 60 °C 10 W 10 W 10 W Column 10

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	147 %
СОР	3.57
Heating up time	2:27 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274



## Model: SUZ-SHWM30VAH + EHST20D-\*M\*D

Configure model		
Model name	SUZ-SHWM30VAH + EHST20D-*M*D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
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	0.59 kW	1.27 kW
СОР	5.11	2.83

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	54 dB(A)	54 dB(A)

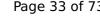
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	124 %
Prated	4 kW	3.6 kW
SCOP	4.59	3.17
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = $-7^{\circ}$ C	3.23	2.18
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = $+2$ °C	2.2 kW	2 kW
$COP Tj = +2^{\circ}C$	4.19	2.87
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = $+7^{\circ}$ C	2.4 kW	2.2 kW
COP Tj = +7°C	6.62	4.53
Cdh Tj = +7 °C	0.972	0.979





Pdh Tj = 12°C	2.4 kW	2 kW
COP Tj = 12°C	9.51	7.17
Cdh Tj = +12 °C	0.96	0.964
Pdh Tj = Tbiv	4 kW	3.6 kW
COP Tj = Tbiv	2.69	1.69
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4 kW	3.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	60 °C	60 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1802 kWh	2347 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	147 %	
СОР	3.57	
Heating up time	2:27 h:min	
Standby power input	25 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	274	



## Model: SUZ-SHWM30VAH + ERST20D-\*M\*D

Configure model		
Model name	SUZ-SHWM30VAH + 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

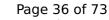
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3 kW	3.6 kW
El input	0.59 kW	1.27 kW
СОР	5.11	2.83

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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	184 %	126 %
Prated	4 kW	3.6 kW
SCOP	4.68	3.22
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = -7°C	3.23	2.18
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.2 kW	2 kW
COP Tj = +2°C	4.19	2.87
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	2.4 kW	2.2 kW
COP Tj = +7°C	6.62	4.53
Cdh Tj = +7 °C	0.972	0.979





_	
2.4 kW	2 kW
9.51	7.17
0.96	0.964
4 kW	3.6 kW
2.69	1.69
4 kW	3.6 kW
2.69	1.69
0.993	0.995
60 °C	60 °C
10 W	10 W
10 W	10 W
10 W	10 W
0 W	o w
Electricity	Electricity
0 kW	0 kW
1766 kWh	2311 kWh
	9.51 0.96 4 kW 2.69 4 kW 2.69 0.993 60 °C 10 W 10 W 10 W Electricity 0 kW

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	147 %
СОР	3.57
Heating up time	2:27 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274



## Model: SUZ-SHWM30VAH + ERSD-\*M\*D

Configure model		
Model name	SUZ-SHWM30VAH + 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	0.59 kW	1.27 kW
СОР	5.11	2.83

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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	184 %	126 %
Prated	4 kW	3.6 kW
SCOP	4.68	3.22
Tbiv	-10 °C	-10 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	3.6 kW	3.2 kW
COP Tj = -7°C	3.23	2.18
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.2 kW	2 kW
COP Tj = +2°C	4.19	2.87
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	2.4 kW	2.2 kW
COP Tj = +7°C	6.62	4.53
Cdh Tj = +7 °C	0.972	0.979



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

Pdh Tj = 12°C	2.4 kW	2 kW
COP Tj = 12°C	9.51	7.17
Cdh Tj = +12 °C	0.96	0.964
Pdh Tj = Tbiv	4 kW	3.6 kW
COP Tj = Tbiv	2.69	1.69
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4 kW	3.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	60 °C	60 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 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	1766 kWh	2311 kWh



## Model: SUZ-SWM40VA2 + ERST20D-\*M\*D

Configure model		
Model name	SUZ-SWM40VA2 + 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	0.59 kW	1.29 kW	
СОР	5.11	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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

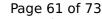
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	200 %	135 %
Prated	4.7 kW	4.5 kW
SCOP	5.06	3.45
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	4.2 kW	4 kW
COP Tj = -7°C	3.43	2.23
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	2.6 kW	2.5 kW
COP Tj = +2°C	4.73	3.21
Cdh Tj = +2 °C	0.982	0.987
Pdh Tj = +7°C	2.4 kW	2.2 kW
COP Tj = +7°C	6.64	4.6
Cdh Tj = +7 °C	0.972	0.979





Pdh Tj = 12°C	2.4 kW	2.8 kW
COP Tj = 12°C	9.54	6.94
Cdh Tj = +12 °C	0.96	0.975
Pdh Tj = Tbiv	4.7 kW	4 kW
COP Tj = Tbiv	2.91	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.7 kW	4.3 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 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	1918 kWh	2699 kWh
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### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	147 %
СОР	3.57
Heating up time	2:27 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274



## Model: SUZ-SWM40VA2 + ERSD-\*M\*D

Configure model		
Model name	SUZ-SWM40VA2 + 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	0.59 kW	1.29 kW	
СОР	5.11	2.79	

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
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	54 dB(A)	54 dB(A)

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	200 %	135 %	
Prated	4.7 kW	4.5 kW	
SCOP	5.06	3.45	
Tbiv	-10 °C	-7 °C	
TOL	-25 °C	-25 °C	
Pdh Tj = -7°C	4.2 kW	4 kW	
COP Tj = -7°C	3.43	2.23	
Cdh Tj = -7 °C	0.992	0.994	
Pdh Tj = +2°C	2.6 kW	2.5 kW	
COP Tj = +2°C	4.73	3.21	
Cdh Tj = +2 °C	0.982	0.987	
Pdh Tj = +7°C	2.4 kW	2.2 kW	
COP Tj = +7°C	6.64	4.6	
Cdh Tj = +7 °C	0.972	0.979	



Pdh Tj = 12°C	2.4 kW	2.8 kW
COP Tj = 12°C	9.54	6.94
Cdh Tj = +12 °C	0.96	0.975
Pdh Tj = Tbiv	4.7 kW	4 kW
COP Tj = Tbiv	2.91	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.7 kW	4.3 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0.2 kW
Annual energy consumption Qhe	1918 kWh	2699 kWh