	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
COP	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

Average Climate

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**
η_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
PTO	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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	147 %
COP	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 l

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
COP	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

Average Climate

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**
η_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
PTO	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
COP	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

Average Climate

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
η_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°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
PTO	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	1802 kWh	2347 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	147 %
COP	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 l

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
COP	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

Average Climate

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**
η_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°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
PTO	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	1802 kWh	2347 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	147 %
COP	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 l

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
COP	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

Average Climate

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
η_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

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
PTO	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

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	147 %
COP	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 l

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
COP	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

Average Climate

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**
η_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

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
PTO	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
COP	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

Average Climate

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**
η_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
PTO	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

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	147 %
COP	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 l

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
COP	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

Average Climate

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
η_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
PTO	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