Subtype Ecodan Eco Inverter 4-170D	
Certificate Holder	Mitsubishi Electric Air Conditioning Systems Europe LTD
Address	Nettlehill Road, Houston Industrial Estate
ZIP	EH54 5EQ
City	Livingston
Country	GB
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	Ecodan Eco Inverter 4-170D
Registration number	037-0005-19
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.2 kg
Certification Date	15.10.2019
Testing basis	HP Keymark scheme rules rev. no. 6

Model SUZ-SWM40VA + EHST17D-*M*D	
Model name	SUZ-SWM40VA + EHST17D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	148 %
COP	3.55
Heating up time	02:25 h:min
Standby power input	26 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	167 %
COP	4
Heating up time	02:00 h:min
Standby power input	23 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	4 kW	4.5 kW
El input	0.77 kW	1.72 kW
COP	5.2	2.61

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	180 %	129 %
Prated	5.1 kW	4.6 kW
SCOP	4.58	3.29
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.5 kW	4.1 kW
COP Tj = -7°C	2.88	2.02
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	2.7 kW	2.5 kW
COP Tj = +2°C	4.5	3.2
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.6 kW	2.3 kW
COP Tj = 12°C	8.97	6.57
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	4.5 kW	4.1 kW
COP Tj = Tbiv	2.88	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
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	0.74 kW	0.55 kW
Annual energy consumption Qhe	2301 kWh	2888 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	216 %	155 %
Prated	5.1 kW	4.6 kW
SCOP	5.46	3.94
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	5.1 kW	4.6 kW
COP Tj = +2°C	3.25	1.85
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.3 kW	3 kW
COP Tj = +7°C	5.28	3.51
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.9 kW	1.9 kW
COP Tj = 12°C	7.04	5.59
Cdh Tj = +12 °C	0.94	0.96
Pdh Tj = Tbiv	5.1 kW	4.6 kW
COP Tj = Tbiv	3.25	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.1 kW	4.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.25	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99	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	0 kW
Annual energy consumption Qhe	1247 kWh	1560 kWh

Model SUZ-SWM40VA + ERST17D-*M*D	
Model name	SUZ-SWM40VA + ERST17D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	148 %
COP	3.55
Heating up time	02:25 h:min
Standby power input	26 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	167 %
COP	4
Heating up time	02:00 h:min
Standby power input	23 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	4 kW	4.5 kW
El input	0.77 kW	1.72 kW
COP	5.2	2.61

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	187 %	132 %
Prated	5.1 kW	4.6 kW
SCOP	4.75	3.39
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.5 kW	4.1 kW
COP Tj = -7°C	2.92	2.04
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	2.7 kW	2.5 kW
COP Tj = +2°C	4.58	3.25
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.6 kW	2.3 kW
COP Tj = 12°C	8.97	6.57
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	4.5 kW	4.1 kW
COP Tj = Tbiv	2.92	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
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	0.74 kW	0.55 kW
Annual energy consumption Qhe	2220 kWh	2806 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	225 %	160 %
Prated	5.1 kW	4.6 kW
SCOP	5.7	4.08
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	5.1 kW	4.6 kW
COP Tj = +2°C	3.13	1.85
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	3.3 kW	3 kW
COP Tj = +7°C	5.18	3.45
Cdh Tj = +7 °C	0.98	0.98
Pdh Tj = 12°C	1.9 kW	1.9 kW
COP Tj = 12°C	7.04	5.59
Cdh Tj = +12 °C	0.94	0.96
Pdh Tj = Tbiv	5.1 kW	4.6 kW
COP Tj = Tbiv	3.13	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.1 kW	4.6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.13	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	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	0 kW
Annual energy consumption Qhe	1195 kWh	1506 kWh

Model SUZ-SWM40VA + ERST17D-*M*BD	
Model name	SUZ-SWM40VA + ERST17D-*M*BD
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	148 %
COP	3.55
Heating up time	02:25 h:min
Standby power input	26 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	167 %
COP	4
Heating up time	02:00 h:min
Standby power input	23 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	236 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	4 kW	4.5 kW
El input	0.77 kW	1.72 kW
COP	5.2	2.61

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	187 %	132 %
Prated	5.1 kW	4.6 kW
SCOP	4.75	3.39
Tbiv	-7 °C	-7 °C
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Pdh Tj = -7°C	4.5 kW	4.1 kW
COP Tj = -7°C	2.92	2.04
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	2.7 kW	2.5 kW
COP Tj = +2°C	4.58	3.25
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.96	0.97
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Pdh Tj = Tbiv	4.5 kW	4.1 kW
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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	0.74 kW	0.55 kW
Annual energy consumption Qhe	2220 kWh	2806 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
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EN 14825 | Warmer Climate

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COP Tj = +7°C	5.18	3.45
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WTOL	60 °C	60 °C
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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	1195 kWh	1506 kWh