

Subtype Ecodan Eco Inverter 4-300D

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 4-300D
Registration number	037-0060-20
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.2 kg
Certification Date	30.11.2020
Testing basis	HP Keymark scheme rules rev. no. 6

Model SUZ-SWM40VA + EHST30D-*M*D

Model name	SUZ-SWM40VA + EHST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	XL
Efficiency η_{DHW}	128 %
COP	3.12
Heating up time	03:56 h:min
Standby power input	29 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 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
η_s	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	0.993
Pdh Tj = +2°C	2.7 kW	2.5 kW
COP Tj = +2°C	4.5	3.2
Cdh Tj = +2 °C	0.975	0.981
Pdh Tj = +7°C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.963	0.973
Pdh Tj = 12°C	2.6 kW	2.3 kW
COP Tj = 12°C	8.97	6.57
Cdh Tj = +12 °C	0.948	0.957
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
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

Model SUZ-SWM40VA + EHST30D-M*D

Model name	SUZ-SWM40VA + EHST30D-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	XL
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η_s	180 %	129 %
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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	0.993
Pdh Tj = +2°C	2.7 kW	2.5 kW
COP Tj = +2°C	4.5	3.2
Cdh Tj = +2 °C	0.975	0.981
Pdh Tj = +7°C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.963	0.973
Pdh Tj = 12°C	2.6 kW	2.3 kW
COP Tj = 12°C	8.97	6.57
Cdh Tj = +12 °C	0.948	0.957
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
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

Model SUZ-SWM40VA + ERST30D-*M*D

Model name	SUZ-SWM40VA + ERST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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

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	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
η_s	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	0.993
Pdh Tj = +2°C	2.7 kW	2.5 kW
COP Tj = +2°C	4.58	3.25
Cdh Tj = +2 °C	0.975	0.981
Pdh Tj = +7°C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
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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
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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