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This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Ecodan Eco Inverter 4-300D	Reg. No.	037-0060-20
Certificate Holder	Certificate Holder		
Name	Mitsubishi Electric Air Conditioning Systems Euro	pe LTD	
Address	Nettlehill Road, Houston Industrial Estate	Zip	EH54 5EQ
City	Livingston	Country	United Kingdom
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)		
Name of testing laboratory	Universität Stuttgart, IGE, Prüfstelle HLK		
Subtype title	Ecodan Eco Inverter 4-300D		
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

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.00 kW	4.50 kW
El input	0.77 kW	1.75 kW
СОР	5.20	2.57
Indoor water flow rate	0.69 m³/h	0.48 m³/h

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	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	129 %
Prated	5.10 kW	4.60 kW
SCOP	4.58	3.29
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.50 kW	4.10 kW
COP Tj = -7°C	2.92	2.04
Cdh	0.99	0.99
Pdh Tj = +2°C	2.70 kW	2.50 kW
COP Tj = +2°C	4.58	3.25
Cdh	0.97	0.98
Pdh Tj = +7°C	2.60 kW	2.60 kW
COP Tj = +7°C	6.50	4.64
Cdh	0.96	0.97

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2.60 kW	2.30 kW
8.97	6.57
0.94	0.95
4.50 kW	4.10 kW
2.92	2.04
4.50 kW	4.10 kW
2.59	1.83
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
o w	o w
electricity	electricity
0.70 kW	0.50 kW
2198 kWh	2788 kWh
	8.97 0.94 4.50 kW 2.92 4.50 kW 2.59 60 °C 15 W 15 W 0 W electricity 0.70 kW

EN 12102-1		
	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

	Low temperature	Medium temperature
η_{s}	216 %	129 %
Prated	5.10 kW	4.60 kW
SCOP	5.46	3.94
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	5.10 kW	4.60 kW
COP Tj = +2°C	3.13	1.85
Cdh	0.99	0.99
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	5.08	3.41
Cdh	0.98	0.98
Pdh Tj = 12°C	1.90 kW	1.90 kW
COP Tj = 12°C	7.04	5.59
Cdh	0.94	0.96
Pdh Tj = Tbiv	4.50 kW	4.10 kW
COP Tj = Tbiv	2.92	1.93
Pdh Tj = TOL	3.90 kW	3.90 kW
COP Tj = TOL	1.47	1.47
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	470.00 kW	393.00 kW
Annual energy consumption Qhe	1192 kWh	1503 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared land profile	VI	
Declared load profile	XL	
Efficiency ηDHW	128 %	
СОР	3.12	
Heating up time	3:56 h:min	
Standby power input	29.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417	





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	149 %	
СОР	3.62	
Heating up time	3:15 h:min	
Standby power input	27.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	417 l	



Model: SUZ-SWM40VA + EHST30D-*M*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.00 kW	4.50 kW
El input	0.77 kW	1.75 kW
СОР	5.20	2.57
Indoor water flow rate	0.69 m³/h	0.48 m³/h

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

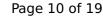
Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	129 %
Prated	5.10 kW	4.60 kW
SCOP	4.58	3.29
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.50 kW	4.10 kW
COP Tj = -7°C	2.92	2.04
Cdh	0.99	0.99
Pdh Tj = +2°C	2.70 kW	2.50 kW
COP Tj = +2°C	4.58	3.25
Cdh	0.97	0.98
Pdh Tj = +7°C	2.60 kW	2.60 kW
COP Tj = +7°C	6.50	4.64
Cdh	0.96	0.97

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Pdh Tj = 12°C	2.60 kW	2.30 kW
COP Tj = 12°C	8.97	6.57
Cdh	0.94	0.95
Pdh Tj = Tbiv	4.50 kW	4.10 kW
COP Tj = Tbiv	2.92	2.04
Pdh Tj = TOL	4.50 kW	4.10 kW
COP Tj = TOL	2.59	1.83
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	0.70 kW	0.50 kW
Annual energy consumption Qhe	2198 kWh	2788 kWh

EN 12102-1		
	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

	Low temperature	Medium temperature
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SCOP	5.46	3.94
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TOL	-20 °C	-20 °C
Pdh Tj = +2°C	5.10 kW	4.60 kW
COP Tj = +2°C	3.13	1.85
Cdh	0.99	0.99
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	5.08	3.41
Cdh	0.98	0.98
Pdh Tj = 12°C	1.90 kW	1.90 kW
COP Tj = 12°C	7.04	5.59
Cdh	0.94	0.96
Pdh Tj = Tbiv	4.50 kW	4.10 kW
COP Tj = Tbiv	2.92	1.93
Pdh Tj = TOL	3.90 kW	3.90 kW
COP Tj = TOL	1.47	1.47
WTOL	60 °C	60 °C

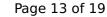


Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	470.00 kW	393.00 kW
Annual energy consumption Qhe	1192 kWh	1503 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
СОР	3.12
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Mixed water at 40°C	417 l





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Declared load profile	XL
Efficiency ηDHW	149 %
СОР	3.62
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General Data	
Power supply	1x230V 50Hz

Heating

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	Low temperature	Medium temperature	
Heat output	4.00 kW	4.50 kW	
El input	0.77 kW	1.75 kW	
СОР	5.20	2.57	
Indoor water flow rate	0.69 m³/h	0.48 m³/h	

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

Average Climate

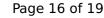


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	132 %
Prated	5.10 kW	4.60 kW
SCOP	4.75	3.39
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.50 kW	4.10 kW
COP Tj = -7°C	2.92	2.04
Cdh	0.99	0.99
Pdh Tj = +2°C	2.70 kW	2.50 kW
COP Tj = +2°C	4.58	3.25
Cdh	0.97	0.98
Pdh Tj = +7°C	2.60 kW	2.60 kW
COP Tj = +7°C	6.50	4.64
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Pdh Tj = Tbiv	4.50 kW	4.10 kW
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Pdh Tj = TOL	4.50 kW	4.10 kW
COP Tj = TOL	2.59	1.83
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	0.70 kW	0.50 kW
Annual energy consumption Qhe	2198 kWh	2788 kWh

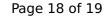
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)





EN 14825

	Low temperature	Medium temperature
η _s	225 %	132 %
Prated	5.10 kW	4.60 kW
SCOP	5.70	4.08
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	5.10 kW	4.60 kW
COP Tj = +2°C	3.13	1.85
Cdh	0.99	0.99
Pdh Tj = +7°C	3.30 kW	3.00 kW
$COP Tj = +7^{\circ}C$	5.08	3.41
Cdh	0.98	0.98
Pdh Tj = 12°C	1.90 kW	1.90 kW
COP Tj = 12°C	7.04	5.59
Cdh	0.94	0.96
Pdh Tj = Tbiv	4.50 kW	4.10 kW
COP Tj = Tbiv	2.92	1.93
Pdh Tj = TOL	3.90 kW	3.90 kW
COP Tj = TOL	1.47	1.47
WTOL	60 °C	60 °C



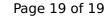


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РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	470.00 kW	393.00 kW
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