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

Configure model		
Model name	SUZ-SWM40VA + EHST30D-*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	4 kW	4.5 kW
El input	0.77 kW	1.72 kW
СОР	5.2	2.61

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	58 dB(A)	58 dB(A)

EN 14825		
	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 = $+7^{\circ}$ C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.963	0.973

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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
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	0.74 kW	0.55 kW
Annual energy consumption Qhe	2301 kWh	2888 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	128 %	
СОР	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	



Model: SUZ-SWM40VA + EHST30D-M*D

Configure model		
Model name	SUZ-SWM40VA + EHST30D-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	4 kW	4.5 kW
El input	0.77 kW	1.72 kW
СОР	5.2	2.61

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		
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	Low temperature	Medium temperature
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Tbiv	-7 °C	-7 °C
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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 = $+7^{\circ}$ C	2.6 kW	2.6 kW
COP Tj = +7°C	6.5	4.64
Cdh Tj = +7 °C	0.963	0.973

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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
РТО	15 W	15 W
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PCK	o 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

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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	4 kW	4.5 kW
El input	0.77 kW	1.72 kW
СОР	5.2	2.61

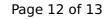
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



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

EN 14825		
	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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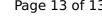
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PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.74 kW	0.55 kW
Annual energy consumption Qhe	2220 kWh	2806 kWh

Domestic Hot Water (DHW)





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