Summary of	Ecodan Eco Inverter 6/8-200D	Reg. No.	037-0009-19
Certificate Holder			
Name	Mitsubishi Electric Air Conditioning Systems Europe 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	Heat Pump Test Center WPZ, Switzerland		
Subtype title	Ecodan Eco Inverter 6/8-200D		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	HFC-32		
Mass Of Refrigerant	1.2 kg		
Certification Date	15.10.2019		
Testing basis	HP Keymark scheme rules rev. no. 6		

Model: SUZ-SWM80VA + ERST20D-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.20 kW
El input	1.60 kW	2.56 kW
COP	4.70	2.81
Indoor water flow rate	1.29 m³/h	0.77 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	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	60 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	187 %	133 %
Prated	7.10 kW	7.10 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	3.00	2.06
Cdh	0.99	0.99
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.63	3.39
Cdh	0.98	0.98
Pdh Tj = +7°C	2.70 kW	2.50 kW
COP Tj = +7°C	6.14	4.24

Cdh	0.96	0.97
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	8.39	6.34
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.30 kW	6.30 kW
COP Tj = Tbiv	3.00	2.06
Pdh Tj = TOL	5.90 kW	5.90 kW
COP Tj = TOL	2.65	1.83
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	1.10 kW	1.10 kW
Annual energy consumption Qhe	3060 kWh	4268 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	148 %
COP	3.56
Heating up time	02:33 h:min
Standby power input	24.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: SUZ-SWM80VA + ERSD-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.20 kW
El input	1.60 kW	2.56 kW
COP	4.70	2.81
Indoor water flow rate	1.29 m³/h	0.77 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	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	60 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	187 %	133 %
Prated	7.10 kW	7.10 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.30 kW	6.30 kW
COP Tj = -7°C	3.00	2.06
Cdh	0.99	0.99
Pdh Tj = +2°C	3.80 kW	3.80 kW
COP Tj = +2°C	4.63	3.39
Cdh	0.98	0.98
Pdh Tj = +7°C	2.70 kW	2.50 kW
COP Tj = +7°C	6.14	4.24

Cdh	0.96	0.97
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	8.39	6.34
Cdh	0.95	0.96
Pdh Tj = Tbiv	6.30 kW	6.30 kW
COP Tj = Tbiv	3.00	2.06
Pdh Tj = TOL	5.90 kW	5.90 kW
COP Tj = TOL	2.65	1.83
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	1.10 kW	1.10 kW
Annual energy consumption Qhe	3060 kWh	4268 kWh

Model: SUZ-SWM60VA + ERST20D-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	6.00 kW	6.00 kW
El input	1.23 kW	2.07 kW
COP	4.86	2.90
Indoor water flow rate	1.03 m³/h	0.65 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	187 %	133 %
Prated	6.60 kW	6.00 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	3.02	2.04
Cdh	0.99	0.99
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	4.56	3.33
Cdh	0.98	0.98
Pdh Tj = +7°C	2.80 kW	2.60 kW
COP Tj = +7°C	6.36	4.48

Cdh	0.96	0.97
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	8.39	6.34
Cdh	0.95	0.96
Pdh Tj = Tbiv	5.80 kW	5.30 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL	5.50 kW	5.10 kW
COP Tj = TOL	2.66	1.82
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	1.10 kW	0.90 kW
Annual energy consumption Qhe	2845 kWh	3612 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	148 %
COP	3.56
Heating up time	02:33 h:min
Standby power input	24.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278 l

Model: SUZ-SWM60VA + ERSD-VM*D

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	6.00 kW	6.00 kW
El input	1.23 kW	2.07 kW
COP	4.86	2.90
Indoor water flow rate	1.03 m³/h	0.65 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	187 %	133 %
Prated	6.60 kW	6.00 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	3.02	2.04
Cdh	0.99	0.99
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	4.56	3.33
Cdh	0.98	0.98
Pdh Tj = +7°C	2.80 kW	2.60 kW
COP Tj = +7°C	6.36	4.48

Cdh	0.96	0.97
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	8.39	6.34
Cdh	0.95	0.96
Pdh Tj = Tbiv	5.80 kW	5.30 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL	5.50 kW	5.10 kW
COP Tj = TOL	2.66	1.82
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	1.10 kW	0.90 kW
Annual energy consumption Qhe	2845 kWh	3612 kWh