Login

Summary of	Ecodan Eco Inverter 6/8-300D	Reg. No.	037-0006-19
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)		
Subtype title	Ecodan Eco Inverter 6/8-300D		
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-SWM60VA + EHST30D-M*D

Configure model	
Model name	SUZ-SWM60VA + EHST30D-M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	6 kW	6 kW
El input	1.24 kW	2.07 kW
COP	4.86	2.9

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

Warmer 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	192 %	138 %
Prated	6.6 kW	6 kW
SCOP	4.87	3.53
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	6.6 kW	6 kW
COP Tj = +2°C	3.32	1.87
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	4.2 kW	3.9 kW
COP Tj = +7°C	4.18	2.94
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2 kW	1.9 kW
COP Tj = 12°C	6.45	5
Cdh Tj = +12 °C	0.95	0.96

Pdh Tj = Tbiv	6.6 kW	6 kW
COP Tj = Tbiv	3.32	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	1.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.995
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	1812 kWh	2268 kWh

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	181 %	130 %
Prated	6.6 kW	6 kW
SCOP	4.61	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.8 kW	5.3 kW
COP Tj = -7°C	3.02	2.04
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	3.6 kW	3.2 kW
COP Tj = +2°C	4.48	3.27
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.8 kW	2.6 kW
COP Tj = +7°C	6.36	4.48
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.8 kW	5.3 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.09 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2957 kWh	3727 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	164 %
COP	3.99
Heating up time	2:49 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
COP	3.13
Heating up time	3:31 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: SUZ-SWM60VA + EHST30D-*M*D

Configure model	
Model name	SUZ-SWM60VA + EHST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	6 kW	6 kW
El input	1.24 kW	2.07 kW
COP	4.86	2.9

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

Warmer 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	192 %	138 %
Prated	6.6 kW	6 kW
SCOP	4.87	3.53
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	6.6 kW	6 kW
COP Tj = +2°C	3.32	1.87
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	4.2 kW	3.9 kW
COP Tj = +7°C	4.18	2.94
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2 kW	1.9 kW
COP Tj = 12°C	6.45	5
Cdh Tj = +12 °C	0.95	0.96

Pdh Tj = Tbiv	6.6 kW	6 kW
COP Tj = Tbiv	3.32	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	1.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.995
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	1812 kWh	2268 kWh

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	181 %	130 %
Prated	6.6 kW	6 kW
SCOP	4.61	3.33
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.8 kW	5.3 kW
COP Tj = -7°C	3.02	2.04
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	3.6 kW	3.2 kW
COP Tj = +2°C	4.48	3.27
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.8 kW	2.6 kW
COP Tj = +7°C	6.36	4.48
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.8 kW	5.3 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.09 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2957 kWh	3727 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	164 %
COP	3.99
Heating up time	2:49 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
COP	3.13
Heating up time	3:31 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: SUZ-SWM60VA + ERST30D-*M*D

Configure model	
Model name	SUZ-SWM60VA + ERST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	6 kW	6 kW
El input	1.24 kW	2.07 kW
COP	4.86	2.9

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

Warmer 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	198 %	142 %
Prated	6.6 kW	6 kW
SCOP	5.02	3.61
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	6.6 kW	6 kW
COP Tj = +2°C	3.32	1.87
Cdh Tj = +2 °C	0.99	1
Pdh Tj = +7°C	4.2 kW	3.9 kW
COP Tj = +7°C	4.12	2.89
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	2 kW	1.9 kW
COP Tj = 12°C	6.45	5.01
Cdh Tj = +12 °C	0.95	0.96

Pdh Tj = Tbiv	6.6 kW	6 kW
COP Tj = Tbiv	3.32	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	6 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.32	1.87
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.995
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	1757 kWh	2218 kWh

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	6.6 kW	6 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.8 kW	5.3 kW
COP Tj = -7°C	3.02	2.04
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	3.6 kW	3.2 kW
COP Tj = +2°C	4.56	3.33
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	2.8 kW	2.6 kW
COP Tj = +7°C	6.36	4.48
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.8 kW	5.3 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.09 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2876 kWh	3638 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	164 %
COP	3.99
Heating up time	2:49 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
COP	3.13
Heating up time	3:31 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: SUZ-SWM80VA + EHST30D-M*D

Configure model	
Model name	SUZ-SWM80VA + EHST30D-M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
COP	4.7	2.8

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

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	186 %	135 %
Prated	7.10 kW	7.10 kW
SCOP	4.73	3.46
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	7.10 kW	7.10 kW
COP Tj = +2°C	3.30	1.76
Cdh Tj = +2 °C	0.990	1.000
Pdh Tj = +7°C	4.60 kW	4.60 kW
COP Tj = +7°C	4.02	2.79
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.00 kW	2.00 kW
COP Tj = 12°C	6.25	5.00
Cdh Tj = +12 °C	0.950	0.960

Pdh Tj = Tbiv	7.10 kW	7.10 kW
COP Tj = Tbiv	3.30	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.10 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.996
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2005 kWh	2743 kWh

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	182 %	131 %
Prated	7.1 kW	7.1 kW
SCOP	4.62	3.35
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.3 kW	6.3 kW
COP Tj = -7°C	2.95	2
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	3.8 kW	3.8 kW
COP Tj = +2°C	4.57	3.39
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	2.7 kW	2.5 kW
COP Tj = +7°C	6.14	4.24
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.3 kW	6.3 kW
COP Tj = Tbiv	2.95	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	5.95 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3175 kWh	4378 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	164 %
COP	3.99
Heating up time	2:49 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
COP	3.13
Heating up time	3:31 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: SUZ-SWM80VA + EHST30D-*M*D

Configure model	
Model name	SUZ-SWM80VA + EHST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
COP	4.7	2.8

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

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	186 %	135 %
Prated	7.10 kW	7.10 kW
SCOP	4.73	3.46
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	7.10 kW	7.10 kW
COP Tj = +2°C	3.30	1.76
Cdh Tj = +2 °C	0.990	1.000
Pdh Tj = +7°C	4.60 kW	4.60 kW
COP Tj = +7°C	4.02	2.79
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.00 kW	2.00 kW
COP Tj = 12°C	6.25	5.00
Cdh Tj = +12 °C	0.950	0.960

Pdh Tj = Tbiv	7.10 kW	7.10 kW
COP Tj = Tbiv	3.30	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.10 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.996
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2005 kWh	2743 kWh

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	182 %	131 %
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SCOP	4.62	3.35
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.3 kW	6.3 kW
COP Tj = -7°C	2.95	2
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	3.8 kW	3.8 kW
COP Tj = +2°C	4.57	3.39
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	2.7 kW	2.5 kW
COP Tj = +7°C	6.14	4.24
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.3 kW	6.3 kW
COP Tj = Tbiv	2.95	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	5.95 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3175 kWh	4378 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	164 %
COP	3.99
Heating up time	2:49 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
COP	3.13
Heating up time	3:31 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Model: SUZ-SWM80VA + ERST30D-*M*D

Configure model	
Model name	SUZ-SWM80VA + ERST30D-*M*D
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
COP	4.7	2.8

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

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	191 %	138 %
Prated	7.10 kW	7.10 kW
SCOP	4.85	3.52
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	7.10 kW	7.10 kW
COP Tj = +2°C	3.21	1.76
Cdh Tj = +2 °C	0.990	1.000
Pdh Tj = +7°C	4.60 kW	4.60 kW
COP Tj = +7°C	3.97	2.75
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.00 kW	2.00 kW
COP Tj = 12°C	6.25	5.00
Cdh Tj = +12 °C	0.950	0.960

Pdh Tj = Tbiv	7.10 kW	7.10 kW
COP Tj = Tbiv	3.30	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.10 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.996
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1954 kWh	2695 kWh

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	187 %	133 %
Prated	7.1 kW	7.1 kW
SCOP	4.74	3.41
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.3 kW	6.3 kW
COP Tj = -7°C	3	2.06
Cdh Tj = -7 °C	0.99	1
Pdh Tj = +2°C	3.8 kW	3.8 kW
COP Tj = +2°C	4.62	3.39
Cdh Tj = +2 °C	0.98	0.99
Pdh Tj = +7°C	2.7 kW	2.5 kW
COP Tj = +7°C	6.14	4.24
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.3 kW	6.3 kW
COP Tj = Tbiv	3	2.06
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	5.95 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3094 kWh	4301 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	164 %
COP	3.99
Heating up time	2:49 h:min
Standby power input	26.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	128 %
COP	3.13
Heating up time	3:31 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	417 l