

Page 1 of 77

This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	Ecodan Eco Inverter 6/8-200D	Reg. No.	037-0009-19		
Certificate Holder	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 6/8-200D				
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 + EHST20D-M*D

Configure model		
Model name	SUZ-SWM60VA + EHST20D-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	
СОР	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	



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	



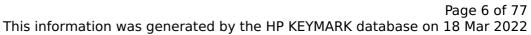


	-	
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.8 kW	5.3 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	60 °C	60 °C
Poff	15 W	15 W
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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2957 kWh	3727 kWh



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	e 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 = $+7^{\circ}$ 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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1812 kWh	2268 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	148 %	
СОР	3.55	
Heating up time	2:33 h:min	
Standby power input	26 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	173 %	
СОР	4.13	
Heating up time	2:00 h:min	
Standby power input	22 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



Model: SUZ-SWM60VA + EHST20D-*M*D

Configure model		
Model name SUZ-SWM60VA + EHST20D-*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

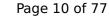
EN 14511-2			
Low temperature Medium temperature			
Heat output	6 kW	6 kW	
El input	1.24 kW	2.07 kW	
СОР	4.86	2.9	

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



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





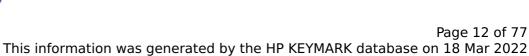
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.8 kW	5.3 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	60 °C	60 °C
Poff	15 W	15 W
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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2957 kWh	3727 kWh



 $$\operatorname{\textit{Page}}\ 11$$ of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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	e 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 = $+7^{\circ}$ 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
COF IJ = IDIV	3.32	1.07
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
can ij = rot or ran ij = raesigiin ii rot < raesigiin	0.332	0.555
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
	13 **	15 **
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary fleater. Type of energy input	Licetricity	Liectricity
Supplementary Heater: PSUP	0 kW	0 kW
Appual energy consumption Obe	1912 kWb	2260 JAWh
Annual energy consumption Qhe	1812 kWh	2268 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK



EN 16147	
Declared load profile	L
Efficiency ηDHW	148 %
СОР	3.55
Heating up time	2:33 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278

EN 16147	
Declared load profile	L
Efficiency ηDHW	173 %
СОР	4.13
Heating up time	2:00 h:min
Standby power input	22 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278



Model: SUZ-SWM60VA + EHSD-M*D

Configure model		
Model name	SUZ-SWM60VA + EHSD-M*D	
Application	Heating (medium 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
СОР	4.86	2.9

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		
	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





$$\operatorname{\textit{Page}}\ 16$$ of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

	-	
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
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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2957 kWh	3727 kWh



 $$\operatorname{\textit{Page}}\ 17$$ of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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	e 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 = $+7^{\circ}$ 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	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1812 kWh	2268 kWh



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

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

General Data		
Power supply 1x230V 50Hz		

Heating

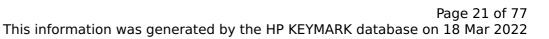
EN 14511-2		
Low temperature Medium temperature		
Heat output	6 kW	6 kW
El input	1.24 kW	2.07 kW
СОР	4.86	2.9

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



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	o 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



 $$\operatorname{\textit{Page}}\xspace$ 22 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
$COP Tj = +7^{\circ}C$	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



$$\operatorname{\textit{Page}}\xspace$ 23 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
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 kW	0 kW
Annual energy consumption Qhe	1812 kWh	2268 kWh



Model: SUZ-SWM60VA + ERST20D-*M*D

Configure model		
Model name	SUZ-SWM60VA + ERST20D-*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

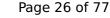
EN 14511-2			
Low temperature Medium temperature			
Heat output	6 kW	6 kW	
El input	1.24 kW	2.07 kW	
СОР	4.86	2.9	

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



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	e 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





$$\operatorname{\textit{Page}}\xspace$ 26 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

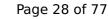
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.8 kW	5.3 kW
COP Tj = Tbiv	3.02	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.66	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	60 °C	60 °C
Poff	15 W	15 W
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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2876 kWh	3638 kWh



 $$\operatorname{\textit{Page}}\xspace$ 27 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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 = $+7^{\circ}$ 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
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 kW	0 kW
Annual energy consumption Qhe	1757 kWh	2218 kWh
· · · · · · · · · · · · · · · · · · ·		

Domestic Hot Water (DHW)

278 I



EN 16147 Declared load profile Efficiency ηDHW 148 % COP 3.55 2:33 h:min Heating up time Standby power input 26 W 52.5 °C Reference hot water temperature

Warmer Climate

Mixed water at 40°C

EN 16147		
Declared load profile	L	
Efficiency ηDHW	173 %	
СОР	4.13	
Heating up time	2:00 h:min	
Standby power input	22 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



Model: SUZ-SWM60VA + ERSD-M*D

Configure model		
Model name	SUZ-SWM60VA + ERSD-M*D	
Application	Heating (medium 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
СОР	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



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	e 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



$$\operatorname{\textit{Page}}\ 32$$ of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2876 kWh	3638 kWh
· · · · · · · · · · · · · · · · · · ·		



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 = $+7^{\circ}$ 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



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

Configure model		
Model name	SUZ-SWM60VA + ERSD-*M*D	
Application	Heating (medium 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
СОР	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	



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	e 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



\bigcirc	
	CEN heat pump
5	KEYMARK

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
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	1.12 kW	0.91 kW
Annual energy consumption Qhe	2876 kWh	3638 kWh
· · · · · · · · · · · · · · · · · · ·		



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 = $+7^{\circ}$ 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



Page 39 of 77

This information was generated by the HP KEYMARK database on 18 Mar 2022

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
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 kW	0 kW
Annual energy consumption Qhe	1757 kWh	2218 kWh



Model: SUZ-SWM80VA + EHST20D-M*D

Configure model		
Model name	SUZ-SWM80VA + EHST20D-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	
СОР	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	



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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o 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



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





This information was generated by the first target according to			
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	
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	0.00 kW	0.00 kW	
Annual energy consumption Qhe	2005 kWh	2743 kWh	

Domestic Hot Water (DHW)

278 I



Warmer Climate

Mixed water at 40°C

EN 16147		
Declared load profile	L	
Efficiency ηDHW	173 %	
СОР	4.13	
Heating up time	2:00 h:min	
Standby power input	22 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



Model: SUZ-SWM80VA + EHST20D-*M*D

Configure model		
Model name SUZ-SWM80VA + EHST20D-*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		
СОР	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



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



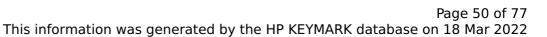


	-	
Pdh Tj = 12°C	2.6 kW	2.6 kW
COP Tj = 12°C	8.39	6.34
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.3 kW	6.3 kW
COP Tj = Tbiv	2.95	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	5.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.995
WTOL	60 °C	60 °C
Poff	15 W	15 W
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3175 kWh	4378 kWh



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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o 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

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	148 %	
СОР	3.55	
Heating up time	2:33 h:min	
Standby power input	26 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	173 %	
СОР	4.13	
Heating up time	2:00 h:min	
Standby power input	22 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	278	



Model: SUZ-SWM80VA + EHSD-M*D

Configure model		
Model name SUZ-SWM80VA + EHSD-M*D		
Application	Heating (medium 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	
СОР	4.7	2.8	

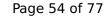
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\operatorname{\textit{Page}}\xspace$ 53 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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 = $+7^{\circ}$ C	2.7 kW	2.5 kW
$COP Tj = +7^{\circ}C$	6.14	4.24
Cdh Tj = +7 °C	0.97	0.98





$$\operatorname{\textit{Page}}\xspace$ 54 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

	-	
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
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3175 kWh	4378 kWh



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 = $+7^{\circ}$ C	4.60 kW	4.60 kW
$COP Tj = +7^{\circ}C$	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



$$\operatorname{\textit{Page}}\xspace$ 56 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o 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



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

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

General Data		
Power supply	1x230V 50Hz	

Heating

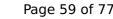
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
СОР	4.7	2.8

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



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





$$\operatorname{\textit{Page}}\xspace$ 59 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

	-	
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
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3175 kWh	4378 kWh



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



Annual energy consumption Qhe

Page 61 of 77

2743 kWh

This information was generated by the HP KEYMARK database on 18 Mar 2022 Pdh Tj = Tbiv7.10 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

2005 kWh



Model: SUZ-SWM80VA + ERST20D-*M*D

Configure model	
Model name	SUZ-SWM80VA + ERST20D-*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

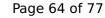
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
СОР	4.7	2.8

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		
	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
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3094 kWh	4301 kWh



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
$COP Tj = +7^{\circ}C$	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





This information was gener	ated by the HP KEYMAR	RK database on 18 Mar 2022
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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

1954 kWh

2695 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe



 $$\operatorname{\textit{Page}}\xspace$ 67 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	148 %
СОР	3.55
Heating up time	2:33 h:min
Standby power input	26 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278

EN 16147	
Declared load profile	L
Efficiency ηDHW	173 %
СОР	4.13
Heating up time	2:00 h:min
Standby power input	22 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	278



Model: SUZ-SWM80VA + ERSD-M*D

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

General Data		
Power supply 1x230V 50Hz		

Heating

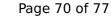
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
СОР	4.7	2.8

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



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
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3094 kWh	4301 kWh



 $$\operatorname{\textit{Page}}\ 71$$ of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
$COP Tj = +7^{\circ}C$	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



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

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

General Data		
Power supply	1x230V 50Hz	

Heating

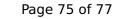
EN 14511-2		
Low temperature Medium temperature		
Heat output	7.5 kW	7.5 kW
El input	1.6 kW	2.68 kW
СОР	4.7	2.8

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



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
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	3094 kWh	4301 kWh



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



$$\operatorname{\textit{Page}}\xspace$ 77 of 77 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o 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