

Subtype Ecodan Eco Inverter 6/8/10H+200D

Certificate Holder	Mitsubishi Electric Air Conditioning Systems Europe LTD
Address	Nettlehill Road, Houston Industrial Estate
ZIP	EH54 5EQ
City	Livingston
Country	GB
Certification Body	SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise)
Subtype title	Ecodan Eco Inverter 6/8/10H+200D
Registration number	037-0089-22
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.1 kg
Certification Date	02.11.2022
Testing basis	HP Keymark scheme rules rev. no. 11
Testing laboratory	SZU Brno, CZ

**Model SUZ-SHWM60VAH + EHST20D-M\*D**

Model name	SUZ-SHWM60VAH + EHST20D-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	175 %	126 %

Prated	6.1 kW	6 kW
SCOP	4.44	3.22
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2838 kWh	3850 kWh

**Model SUZ-SHWM60VAH + EHST20D-\*M\*D**

Model name	SUZ-SHWM60VAH + EHST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	175 %	126 %

Prated	6.1 kW	6 kW
SCOP	4.44	3.22
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2838 kWh	3850 kWh

**Model SUZ-SHWM60VAH + ERST20D-\*M\*D**

Model name	SUZ-SHWM60VAH + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature

ηs	178 %	128 %
Prated	6.1 kW	6 kW
SCOP	4.53	3.27
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2783 kWh	3794 kWh

**Model SUZ-SHWM60VAH + EHSD-M\*D**

Model name	SUZ-SHWM60VAH + EHSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	175 %	126 %
Prated	6.1 kW	6 kW
SCOP	4.44	3.22
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987

Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2838 kWh	3850 kWh

**Model SUZ-SHWM60VAH + EHSD-\*M\*D**

Model name	SUZ-SHWM60VAH + EHSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	175 %	126 %
Prated	6.1 kW	6 kW
SCOP	4.44	3.22
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987

Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2838 kWh	3850 kWh

**Model SUZ-SHWM60VAH + ERSD-M\*D**

Model name	SUZ-SHWM60VAH + ERSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	178 %	128 %
Prated	6.1 kW	6 kW
SCOP	4.53	3.27
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13

Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = + 7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2783 kWh	3794 kWh

**Model SUZ-SHWM60VAH + ERSD-\*M\*D**

Model name	SUZ-SHWM60VAH + ERSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	178 %	128 %
Prated	6.1 kW	6 kW
SCOP	4.53	3.27
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13

Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2783 kWh	3794 kWh

**Model SUZ-SWM80VA2 + EHST20D-M\*D**

Model name	SUZ-SWM80VA2 + EHST20D-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	183 %	133 %

Prated	6.6 kW	7 kW
SCOP	4.66	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2929 kWh	4262 kWh

**Model SUZ-SWM80VA2 + EHST20D-\*M\*D**

Model name	SUZ-SWM80VA2 + EHST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	183 %	133 %

Prated	6.6 kW	7 kW
SCOP	4.66	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2929 kWh	4262 kWh

**Model SUZ-SWM80VA2 + ERST20D-\*M\*D**

Model name	SUZ-SWM80VA2 + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
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ηs	187 %	135 %
Prated	6.6 kW	7 kW
SCOP	4.74	3.44
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2874 kWh	4207 kWh

**Model SUZ-SWM80VA2 + EHSD-M\*D**

Model name	SUZ-SWM80VA2 + EHSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	183 %	133 %
Prated	6.6 kW	7 kW
SCOP	4.66	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987

Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2929 kWh	4262 kWh

**Model SUZ-SWM80VA2 + EHSD-\*M\*D**

Model name	SUZ-SWM80VA2 + EHSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	183 %	133 %
Prated	6.6 kW	7 kW
SCOP	4.66	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987

Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2929 kWh	4262 kWh

**Model SUZ-SWM80VA2 + ERSD-M\*D**

Model name	SUZ-SWM80VA2 + ERSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	187 %	135 %
Prated	6.6 kW	7 kW
SCOP	4.74	3.44
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39

Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2874 kWh	4207 kWh

**Model SUZ-SWM80VA2 + ERSD-\*M\*D**

Model name	SUZ-SWM80VA2 + ERSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	187 %	135 %
Prated	6.6 kW	7 kW
SCOP	4.74	3.44
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39

Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = + 7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2874 kWh	4207 kWh

**Model SUZ-SWM80VAH2 + EHST20D-M\*D**

Model name	SUZ-SWM80VAH2 + EHST20D-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	175 %	128 %

Prated	6.6 kW	7 kW
SCOP	4.44	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	0.985	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3070 kWh	4401 kWh

**Model SUZ-SWM80VAH2 + EHST20D-\*M\*D**

Model name	SUZ-SWM80VAH2 + EHST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	175 %	128 %

Prated	6.6 kW	7 kW
SCOP	4.44	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	0.985	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3070 kWh	4401 kWh

**Model SUZ-SWM80VAH2 + ERST20D-\*M\*D**

Model name	SUZ-SWM80VAH2 + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
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ηs	178 %	130 %
Prated	6.6 kW	7 kW
SCOP	4.52	3.33
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	0.985	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3015 kWh	4346 kWh

**Model SUZ-SWM80VAH2 + EHSD-M\*D**

Model name	SUZ-SWM80VAH2 + EHSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	175 %	128 %
Prated	6.6 kW	7 kW
SCOP	4.44	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	0.985	0.987

Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3070 kWh	4401 kWh

**Model SUZ-SWM80VAH2 + EHSD-\*M\*D**

Model name	SUZ-SWM80VAH2 + EHSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	175 %	128 %
Prated	6.6 kW	7 kW
SCOP	4.44	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	0.985	0.987

Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3070 kWh	4401 kWh

**Model SUZ-SWM80VAH2 + ERSD-M\*D**

Model name	SUZ-SWM80VAH2 + ERSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	178 %	130 %
Prated	6.6 kW	7 kW
SCOP	4.52	3.33
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25

Cdh Tj = +2 °C	0.985	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = + 7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3015 kWh	4346 kWh

**Model SUZ-SWM80VAH2 + ERSD-\*M\*D**

Model name	SUZ-SWM80VAH2 + ERSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	178 %	130 %
Prated	6.6 kW	7 kW
SCOP	4.52	3.33
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	2.86	1.81
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.35	3.25

Cdh Tj = +2 °C	0.985	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.23	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.23	1.58
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	3015 kWh	4346 kWh

**Model SUZ-SWM100VA + EHST20D-M\*D**

Model name	SUZ-SWM100VA + EHST20D-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	179 %	133 %

Prated	7.8 kW	7.5 kW
SCOP	4.54	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3548 kWh	4567 kWh

**Model SUZ-SWM100VA + EHST20D-\*M\*D**

Model name	SUZ-SWM100VA + EHST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	179 %	133 %

Prated	7.8 kW	7.5 kW
SCOP	4.54	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3548 kWh	4567 kWh

**Model SUZ-SWM100VA + ERST20D-\*M\*D**

Model name	SUZ-SWM100VA + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
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$\eta_s$	182 %	134 %
Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3492 kWh	4512 kWh

**Model SUZ-SWM100VA + EHSD-M\*D**

Model name	SUZ-SWM100VA + EHSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	179 %	133 %
Prated	7.8 kW	7.5 kW
SCOP	4.54	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988

Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3548 kWh	4567 kWh

**Model SUZ-SWM100VA + EHSD-\*M\*D**

Model name	SUZ-SWM100VA + EHSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	179 %	133 %
Prated	7.8 kW	7.5 kW
SCOP	4.54	3.39
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988

Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3548 kWh	4567 kWh

**Model SUZ-SWM100VA + ERSD-M\*D**

Model name	SUZ-SWM100VA + ERSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	182 %	134 %
Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41

Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3492 kWh	4512 kWh

**Model SUZ-SWM100VA + ERSD-\*M\*D**

Model name	SUZ-SWM100VA + ERSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	182 %	134 %
Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41

Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3492 kWh	4512 kWh

**Model SUZ-SWM100VAH + EHST20D-M\*D**

Model name	SUZ-SWM100VAH + EHST20D-M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	174 %	127 %

Prated	7.8 kW	7.5 kW
SCOP	4.43	3.26
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3640 kWh	4758 kWh

**Model SUZ-SWM100VAH + EHST20D-\*M\*D**

Model name	SUZ-SWM100VAH + EHST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	174 %	127 %

Prated	7.8 kW	7.5 kW
SCOP	4.43	3.26
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3640 kWh	4758 kWh

**Model SUZ-SWM100VAH + ERST20D-\*M\*D**

Model name	SUZ-SWM100VAH + ERST20D-*M*D
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	144 %
COP	3.5
Heating up time	1:49 h:min
Standby power input	25 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature

ηs	177 %	129 %
Prated	7.8 kW	7.5 kW
SCOP	4.5	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3585 kWh	4703 kWh

**Model SUZ-SWM100VAH + EHSD-M\*D**

Model name	SUZ-SWM100VAH + EHSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	174 %	127 %
Prated	7.8 kW	7.5 kW
SCOP	4.43	3.26
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23
Cdh Tj = +2 °C	0.985	0.988

Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3640 kWh	4758 kWh

**Model SUZ-SWM100VAH + EHSD-\*M\*D**

Model name	SUZ-SWM100VAH + EHSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	174 %	127 %
Prated	7.8 kW	7.5 kW
SCOP	4.43	3.26
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23
Cdh Tj = +2 °C	0.985	0.988

Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3640 kWh	4758 kWh

**Model SUZ-SWM100VAH + ERSD-M\*D**

Model name	SUZ-SWM100VAH + ERSD-M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	177 %	129 %
Prated	7.8 kW	7.5 kW
SCOP	4.5	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23

Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3585 kWh	4703 kWh

**Model SUZ-SWM100VAH + ERSD-\*M\*D**

Model name	SUZ-SWM100VAH + ERSD-*M*D
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	177 %	129 %
Prated	7.8 kW	7.5 kW
SCOP	4.5	3.29
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.79	1.68
Cdh Tj = -7 °C	0.994	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.43	3.23

Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.89	4.8
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.04	6.78
Cdh Tj = +12 °C	0.971	0.974
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.22	1.68
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.59
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.996	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 kW	1.4 kW
Annual energy consumption Qhe	3585 kWh	4703 kWh

**Model SUZ-SHWM60VAH + ERST20D-\*M\*E**

Model name	SUZ-SHWM60VAH + ERST20D-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	148 %
COP	3.58
Heating up time	2:11 h:min
Standby power input	25.4 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 14511-2 | Cooling**

	+7°C/+12°C	+18°C/+23°C
El input	1.83 kW	1.15 kW
Cooling capacity	6	6
EER	3.28	5.21

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	178 %	128 %
P <sub>rated</sub>	6.1 kW	6 kW
SCOP	4.53	3.27
T <sub>biv</sub>	-10 °C	-7 °C
T <sub>OL</sub>	-25 °C	-25 °C
P <sub>dh T<sub>j</sub></sub> = -7°C	5.4 kW	5.31 kW
COP T <sub>j</sub> = -7°C	2.78	1.85
Cd <sub>h</sub> T <sub>j</sub> = -7 °C	0.992	0.995
P <sub>dh T<sub>j</sub></sub> = +2°C	4.1 kW	3.7 kW
COP T <sub>j</sub> = +2°C	4.43	3.13
Cd <sub>h</sub> T <sub>j</sub> = +2 °C	0.984	0.987
P <sub>dh T<sub>j</sub></sub> = +7°C	3.4 kW	3.1 kW
COP T <sub>j</sub> = +7°C	6.27	4.66
Cd <sub>h</sub> T <sub>j</sub> = +7 °C	0.972	0.977
P <sub>dh T<sub>j</sub></sub> = 12°C	3.7 kW	3.9 kW
COP T <sub>j</sub> = 12°C	7.11	6.53
Cd <sub>h</sub> T <sub>j</sub> = +12 °C	0.971	0.975
P <sub>dh T<sub>j</sub></sub> = T <sub>biv</sub>	6.1 kW	5.31 kW
COP T <sub>j</sub> = T <sub>biv</sub>	2.26	1.85
P <sub>dh T<sub>j</sub></sub> = T <sub>OL</sub> or P <sub>dh T<sub>j</sub></sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	6.1 kW	5.8 kW
COP T <sub>j</sub> = T <sub>OL</sub> or COP T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	2.26	1.64
Cd <sub>h</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh T<sub>j</sub></sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	0.994	0.996
WT <sub>OL</sub>	60 °C	60 °C
P <sub>off</sub>	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	0.2 kW
Annual energy consumption Q <sub>he</sub>	2783 kWh	3794 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
P <sub>designc</sub>	6 kW	6 kW
SEER	5.19	7.02
P <sub>dc T<sub>j</sub></sub> = 35°C	6 kW	6 kW
EER T <sub>j</sub> = 35°C	3.28	5.21

Cdc Tj = 35 °C	0.992	0.987
Pdc Tj = 30°C	4.42 kW	4.42 kW
EER Tj = 30°C	4.45	6.5
Cdc Tj = 30 °C	0.985	0.978
Pdc Tj = 25°C	2.84 kW	3.4 kW
EER Tj = 25°C	5.93	8.66
Cdc Tj = 25 °C	0.969	0.962
Pdc Tj = 20°C	2.8 kW	3.8 kW
EER Tj = 20°C	7.41	8.28
Cdc Tj = 20 °C	0.96	0.967
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	694 kWh	513 kWh

**Model SUZ-SHWM60VAH + ERSD-\*M\*E**

Model name	SUZ-SHWM60VAH + ERSD-*M*E
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	5 kW	5 kW
El input	1.01 kW	1.7 kW
COP	4.95	2.94

**EN 14511-2 | Cooling**

	+7°C/+12°C	+18°C/+23°C
El input	1.83 kW	1.15 kW
Cooling capacity	6	6
EER	3.28	5.21

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
ηs	178 %	128 %
Prated	6.1 kW	6 kW
SCOP	4.53	3.27

Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.4 kW	5.31 kW
COP Tj = -7°C	2.78	1.85
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.1 kW	3.7 kW
COP Tj = +2°C	4.43	3.13
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.27	4.66
Cdh Tj = +7 °C	0.972	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.11	6.53
Cdh Tj = +12 °C	0.971	0.975
Pdh Tj = Tbiv	6.1 kW	5.31 kW
COP Tj = Tbiv	2.26	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.1 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.26	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	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 kW	0.2 kW
Annual energy consumption Qhe	2783 kWh	3794 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6 kW	6 kW
SEER	5.19	7.02
Pdc Tj = 35°C	6 kW	6 kW
EER Tj = 35°C	3.28	5.21
Cdc Tj = 35 °C	0.992	0.987
Pdc Tj = 30°C	4.42 kW	4.42 kW
EER Tj = 30°C	4.45	6.5
Cdc Tj = 30 °C	0.985	0.978
Pdc Tj = 25°C	2.84 kW	3.4 kW
EER Tj = 25°C	5.93	8.66
Cdc Tj = 25 °C	0.969	0.962
Pdc Tj = 20°C	2.8 kW	3.8 kW
EER Tj = 20°C	7.41	8.28

Cdc Tj = 20 °C	0.96	0.967
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	694 kWh	513 kWh

**Model SUZ-SWM80VA2 + EHST20D-\*M\*E**

Model name	SUZ-SWM80VA2 + EHST20D-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	148 %
COP	3.58
Heating up time	2:11 h:min
Standby power input	25.4 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 14511-2 | Cooling**

El input	+7°C/+12°C kW	+18°C/+23°C kW
Cooling capacity		
EER		

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature

Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	183 %	133 %
P <sub>rated</sub>	6.6 kW	7 kW
SCOP	4.66	3.39
T <sub>biv</sub>	-10 °C	-7 °C
TOL	-25 °C	-25 °C
P <sub>dh Tj = -7°C</sub>	5.9 kW	6.2 kW
COP T <sub>j</sub> = -7°C	3.16	1.91
C <sub>dh Tj = -7 °C</sub>	0.992	0.995
P <sub>dh Tj = +2°C</sub>	4.4 kW	3.8 kW
COP T <sub>j</sub> = +2°C	4.61	3.39
C <sub>dh Tj = +2 °C</sub>	0.984	0.987
P <sub>dh Tj = +7°C</sub>	3.4 kW	3.1 kW
COP T <sub>j</sub> = +7°C	6.22	4.69
C <sub>dh Tj = +7 °C</sub>	0.973	0.977
P <sub>dh Tj = 12°C</sub>	3.7 kW	3.9 kW
COP T <sub>j</sub> = 12°C	7.38	6.67
C <sub>dh Tj = +12 °C</sub>	0.97	0.974
P <sub>dh Tj = T<sub>biv</sub></sub>	6.6 kW	6.2 kW
COP T <sub>j</sub> = T <sub>biv</sub>	2.4	1.91
P <sub>dh Tj = TOL or P<sub>dh Tj = T<sub>designh</sub></sub> if TOL &lt; T<sub>designh</sub></sub>	6.6 kW	5.8 kW
COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	2.4	1.68
C <sub>dh Tj = TOL or P<sub>dh Tj = T<sub>designh</sub></sub> if TOL &lt; T<sub>designh</sub></sub>	0.995	0.996
WTOL	60 °C	60 °C
P <sub>off</sub>	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	1.2 kW
Annual energy consumption Q <sub>he</sub>	2929 kWh	4262 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
P <sub>designc</sub>	kW	kW
SEER		
P <sub>dc Tj = 35°C</sub>	kW	kW
EER T <sub>j</sub> = 35°C		
C <sub>dc Tj = 35 °C</sub>		

Pdc Tj = 30°C	kW	kW
EER Tj = 30°C		
Cdc Tj = 30 °C		
Pdc Tj = 25°C	kW	kW
EER Tj = 25°C		
Cdc Tj = 25 °C		
Pdc Tj = 20°C	kW	kW
EER Tj = 20°C		
Cdc Tj = 20 °C		
Poff	W	W
PTO	W	W
PSB	W	W
PCK	W	W
Annual energy consumption Qce	kWh	kWh

**Model SUZ-SWM80VA2 + ERST20D-\*M\*E**

Model name	SUZ-SWM80VA2 + ERST20D-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	148 %
COP	3.58
Heating up time	2:11 h:min
Standby power input	25.4 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 14511-2 | Cooling**

El input	+7°C/+12°C 2.09 kW	+18°C/+23°C 1.32 kW
Cooling capacity	6.7	6.7
EER	3.2	5.06

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	187 %	135 %
P <sub>rated</sub>	6.6 kW	7 kW
SCOP	4.74	3.44
T <sub>biv</sub>	-10 °C	-7 °C
T <sub>OL</sub>	-25 °C	-25 °C
P <sub>dh T<sub>j</sub></sub> = -7°C	5.9 kW	6.2 kW
COP T <sub>j</sub> = -7°C	3.16	1.91
Cd <sub>h</sub> T <sub>j</sub> = -7 °C	0.992	0.995
P <sub>dh T<sub>j</sub></sub> = +2°C	4.4 kW	3.8 kW
COP T <sub>j</sub> = +2°C	4.61	3.39
Cd <sub>h</sub> T <sub>j</sub> = +2 °C	0.984	0.987
P <sub>dh T<sub>j</sub></sub> = +7°C	3.4 kW	3.1 kW
COP T <sub>j</sub> = +7°C	6.22	4.69
Cd <sub>h</sub> T <sub>j</sub> = +7 °C	0.973	0.977
P <sub>dh T<sub>j</sub></sub> = 12°C	3.7 kW	3.9 kW
COP T <sub>j</sub> = 12°C	7.38	6.67
Cd <sub>h</sub> T <sub>j</sub> = +12 °C	0.97	0.974
P <sub>dh T<sub>j</sub></sub> = T <sub>biv</sub>	6.6 kW	6.2 kW
COP T <sub>j</sub> = T <sub>biv</sub>	2.4	1.91
P <sub>dh T<sub>j</sub></sub> = T <sub>OL</sub> or P <sub>dh T<sub>j</sub></sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	6.6 kW	5.8 kW
COP T <sub>j</sub> = T <sub>OL</sub> or COP T <sub>j</sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	2.4	1.68
Cd <sub>h</sub> T <sub>j</sub> = T <sub>OL</sub> or P <sub>dh T<sub>j</sub></sub> = T <sub>designh</sub> if T <sub>OL</sub> < T <sub>designh</sub>	0.995	0.996
WT <sub>OL</sub>	60 °C	60 °C
P <sub>off</sub>	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	1.2 kW
Annual energy consumption Q <sub>he</sub>	2874 kWh	4207 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
P <sub>designc</sub>	6.7 kW	6.7 kW
SEER	5.16	6.97
P <sub>dc T<sub>j</sub></sub> = 35°C	6.7 kW	6.7 kW
EER T <sub>j</sub> = 35°C	3.2	5.06

Cdc Tj = 35 °C	0.993	0.989
Pdc Tj = 30°C	4.94 kW	4.94 kW
EER Tj = 30°C	4.35	6.38
Cdc Tj = 30 °C	0.987	0.981
Pdc Tj = 25°C	3.17 kW	3.6 kW
EER Tj = 25°C	5.96	8.53
Cdc Tj = 25 °C	0.972	0.964
Pdc Tj = 20°C	2.8 kW	3.8 kW
EER Tj = 20°C	7.2	8.12
Cdc Tj = 20 °C	0.961	0.968
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	779 kWh	577 kWh

**Model SUZ-SWM80VA2 + EHSD-\*M\*E**

Model name	SUZ-SWM80VA2 + EHSD-*M*E
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 14511-2 | Cooling**

El input	+7°C/+12°C kW	+18°C/+23°C kW
Cooling capacity		
EER		

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
ηs	183 %	133 %
Prated	6.6 kW	7 kW
SCOP	4.66	3.39
Tbiv	-10 °C	-7 °C

TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2929 kWh	4262 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
Pdesignc	kW	kW
SEER		
Pdc Tj = 35°C	kW	kW
EER Tj = 35°C		
Cdc Tj = 35 °C		
Pdc Tj = 30°C	kW	kW
EER Tj = 30°C		
Cdc Tj = 30 °C		
Pdc Tj = 25°C	kW	kW
EER Tj = 25°C		
Cdc Tj = 25 °C		
Pdc Tj = 20°C	kW	kW
EER Tj = 20°C		
Cdc Tj = 20 °C		

Poff	W	W
PTO	W	W
PSB	W	W
PCK	W	W
Annual energy consumption Qce	kWh	kWh

**Model SUZ-SWM80VA2 + ERSD-\*M\*E**

Model name	SUZ-SWM80VA2 + ERSD-*M*E
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	6 kW	6 kW
El input	1.18 kW	2 kW
COP	5.1	3

**EN 14511-2 | Cooling**

	+7°C/+12°C	+18°C/+23°C
El input	2.09 kW	1.32 kW
Cooling capacity	6.7	6.7
EER	3.2	5.06

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
ηs	187 %	135 %
Prated	6.6 kW	7 kW
SCOP	4.74	3.44

Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.9 kW	6.2 kW
COP Tj = -7°C	3.16	1.91
Cdh Tj = -7 °C	0.992	0.995
Pdh Tj = +2°C	4.4 kW	3.8 kW
COP Tj = +2°C	4.61	3.39
Cdh Tj = +2 °C	0.984	0.987
Pdh Tj = +7°C	3.4 kW	3.1 kW
COP Tj = +7°C	6.22	4.69
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	7.38	6.67
Cdh Tj = +12 °C	0.97	0.974
Pdh Tj = Tbiv	6.6 kW	6.2 kW
COP Tj = Tbiv	2.4	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.6 kW	5.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.2 kW
Annual energy consumption Qhe	2874 kWh	4207 kWh

### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.7 kW	6.7 kW
SEER	5.16	6.97
Pdc Tj = 35°C	6.7 kW	6.7 kW
EER Tj = 35°C	3.2	5.06
Cdc Tj = 35 °C	0.993	0.989
Pdc Tj = 30°C	4.94 kW	4.94 kW
EER Tj = 30°C	4.35	6.38
Cdc Tj = 30 °C	0.987	0.981
Pdc Tj = 25°C	3.17 kW	3.6 kW
EER Tj = 25°C	5.96	8.53
Cdc Tj = 25 °C	0.972	0.964
Pdc Tj = 20°C	2.8 kW	3.8 kW
EER Tj = 20°C	7.2	8.12

Cdc Tj = 20 °C	0.961	0.968
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	779 kWh	577 kWh

**Model SUZ-SWM100VA + EHST20D-\*M\*E**

Model name	SUZ-SWM100VA + EHST20D-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	148 %
COP	3.58
Heating up time	2:11 h:min
Standby power input	25.4 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 14511-2 | Cooling**

El input	+7°C/+12°C kW	+18°C/+23°C kW
Cooling capacity		
EER		

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
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Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	179 %	133 %
P <sub>rated</sub>	7.8 kW	7.5 kW
SCOP	4.54	3.39
T <sub>biv</sub>	-10 °C	-7 °C
TOL	-25 °C	-25 °C
P <sub>dh Tj = -7°C</sub>	6.9 kW	6.63 kW
COP T <sub>j</sub> = -7°C	2.99	1.8
C <sub>dh Tj = -7 °C</sub>	0.993	0.996
P <sub>dh Tj = +2°C</sub>	4.5 kW	4.1 kW
COP T <sub>j</sub> = +2°C	4.57	3.41
C <sub>dh Tj = +2 °C</sub>	0.985	0.988
P <sub>dh Tj = +7°C</sub>	3.4 kW	3.5 kW
COP T <sub>j</sub> = +7°C	5.84	4.79
C <sub>dh Tj = +7 °C</sub>	0.974	0.979
P <sub>dh Tj = 12°C</sub>	3.7 kW	3.9 kW
COP T <sub>j</sub> = 12°C	6.98	6.9
C <sub>dh Tj = +12 °C</sub>	0.972	0.973
P <sub>dh Tj = T<sub>biv</sub></sub>	7.8 kW	6.63 kW
COP T <sub>j</sub> = T <sub>biv</sub>	2.34	1.8
P <sub>dh Tj = TOL or P<sub>dh Tj = T<sub>designh</sub></sub> if TOL &lt; T<sub>designh</sub></sub>	7.8 kW	6.1 kW
COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	2.34	1.69
C <sub>dh Tj = TOL or P<sub>dh Tj = T<sub>designh</sub></sub> if TOL &lt; T<sub>designh</sub></sub>	0.995	0.996
WTOL	60 °C	60 °C
P <sub>off</sub>	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	1.4 kW
Annual energy consumption Q <sub>he</sub>	3548 kWh	4567 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
P <sub>designc</sub>	kW	kW
SEER		
P <sub>dc Tj = 35°C</sub>	kW	kW
EER T <sub>j</sub> = 35°C		
C <sub>dc Tj = 35 °C</sub>		

Pdc Tj = 30°C	kW	kW
EER Tj = 30°C		
Cdc Tj = 30 °C		
Pdc Tj = 25°C	kW	kW
EER Tj = 25°C		
Cdc Tj = 25 °C		
Pdc Tj = 20°C	kW	kW
EER Tj = 20°C		
Cdc Tj = 20 °C		
Poff	W	W
PTO	W	W
PSB	W	W
PCK	W	0 W
Annual energy consumption Qce	kWh	kWh

**Model SUZ-SWM100VA + ERST20D-\*M\*E**

Model name	SUZ-SWM100VA + ERST20D-*M*E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	148 %
COP	3.58
Heating up time	2:11 h:min
Standby power input	25.4 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	274 l

**EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 14511-2 | Cooling**

El input	+7°C/+12°C 2.43 kW	+18°C/+23°C 1.82 kW
Cooling capacity	7.3	8.1
EER	3	4.44

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	182 %	134 %
Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3492 kWh	4512 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.3 kW	8.1 kW
SEER	5.08	6.74
Pdc Tj = 35°C	7.3 kW	8.1 kW
EER Tj = 35°C	3	4.44

Cdc Tj = 35 °C	0.994	0.992
Pdc Tj = 30°C	5.38 kW	5.97 kW
EER Tj = 30°C	4.24	6.05
Cdc Tj = 30 °C	0.988	0.985
Pdc Tj = 25°C	3.46 kW	4.2 kW
EER Tj = 25°C	5.94	8.29
Cdc Tj = 25 °C	0.974	0.97
Pdc Tj = 20°C	2.8 kW	3.9 kW
EER Tj = 20°C	7	7.72
Cdc Tj = 20 °C	0.963	0.97
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	863 kWh	722 kWh

**Model SUZ-SWM100VA + EHSD-\*M\*E**

Model name	SUZ-SWM100VA + EHSD-*M*E
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 14511-2 | Cooling**

El input	+7°C/+12°C kW	+18°C/+23°C kW
Cooling capacity		
EER		

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	179 %	133 %
Prated	7.8 kW	7.5 kW
SCOP	4.54	3.39
Tbiv	-10 °C	-7 °C

TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3548 kWh	4567 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
Pdesignc	kW	kW
SEER		
Pdc Tj = 35°C	kW	kW
EER Tj = 35°C		
Cdc Tj = 35 °C		
Pdc Tj = 30°C	kW	kW
EER Tj = 30°C		
Cdc Tj = 30 °C		
Pdc Tj = 25°C	kW	kW
EER Tj = 25°C		
Cdc Tj = 25 °C		
Pdc Tj = 20°C	kW	kW
EER Tj = 20°C		
Cdc Tj = 20 °C		

Poff	W	W
PTO	W	W
PSB	W	W
PCK	W	W
Annual energy consumption Qce	kWh	kWh

**Model SUZ-SWM100VA + ERSD-\*M\*E**

Model name	SUZ-SWM100VA + ERSD-*M*E
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Outdoor Air/Water****EN 14511-4 | Heating**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.5 kW	7.5 kW
El input	1.55 kW	2.68 kW
COP	4.85	2.8

**EN 14511-2 | Cooling**

	+7°C/+12°C	+18°C/+23°C
El input	2.43 kW	1.82 kW
Cooling capacity	7.3	8.1
EER	3	4.44

**EN 12102-1 | Average Climate**

	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 | Average Climate**

	Low temperature	Medium temperature
ηs	182 %	134 %
Prated	7.8 kW	7.5 kW
SCOP	4.61	3.43

Tbiv	-10 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	6.9 kW	6.63 kW
COP Tj = -7°C	2.99	1.8
Cdh Tj = -7 °C	0.993	0.996
Pdh Tj = +2°C	4.5 kW	4.1 kW
COP Tj = +2°C	4.57	3.41
Cdh Tj = +2 °C	0.985	0.988
Pdh Tj = +7°C	3.4 kW	3.5 kW
COP Tj = +7°C	5.84	4.79
Cdh Tj = +7 °C	0.974	0.979
Pdh Tj = 12°C	3.7 kW	3.9 kW
COP Tj = 12°C	6.98	6.9
Cdh Tj = +12 °C	0.972	0.973
Pdh Tj = Tbiv	7.8 kW	6.63 kW
COP Tj = Tbiv	2.34	1.8
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.8 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	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 kW	1.4 kW
Annual energy consumption Qhe	3492 kWh	4512 kWh

**EN 14825 | Cooling**

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.3 kW	8.1 kW
SEER	5.08	6.74
Pdc Tj = 35°C	7.3 kW	8.1 kW
EER Tj = 35°C	3	4.44
Cdc Tj = 35 °C	0.994	0.992
Pdc Tj = 30°C	5.38 kW	5.97 kW
EER Tj = 30°C	4.24	6.05
Cdc Tj = 30 °C	0.988	0.985
Pdc Tj = 25°C	3.46 kW	4.2 kW
EER Tj = 25°C	5.94	8.29
Cdc Tj = 25 °C	0.974	0.97
Pdc Tj = 20°C	2.8 kW	3.9 kW
EER Tj = 20°C	7	7.72

Cdc Tj = 20 °C	0.963	0.97
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	863 kWh	722 kWh