

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters for	medium-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	129	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.1	kW	Tj = - 7 °C	COPd	2.02	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.5	kW	Tj = + 2 °C	COPd	3.20	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	4.64	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	2.3	kW	Tj = +12 °C	COPd	6.57	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.02	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	1.91	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.6	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2888	kWh				

For heat pump combination heater:


Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	128	%
Daily electricity consumption	Q <sub>elec</sub>	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD.

Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

The identification and signature of the person empowered to bind the supplier:



Atsushi EDAYOSHI

Manager, Quality Assurance Department

UNITED KINGDOM

\* Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

\* Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T<sub>j</sub>).

(\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0,9.

(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

This information is based on EU regulation No 811/2013 and No 813/2013.

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Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	180	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.5	kW	Tj = - 7 °C	COPd	2.88	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.7	kW	Tj = + 2 °C	COPd	4.50	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	6.50	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	2.6	kW	Tj = +12 °C	COPd	8.97	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.88	-
Tj = operation limit temperature (***)	Pdh	4.4	kW	Tj = operation limit temperature (***)	COPd	2.59	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.7	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2301	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	128	%
Daily electricity consumption	Q <sub>elec</sub>	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				

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(\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0,9.

(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	3.5	kW	Seasonal space heating energy efficiency	ηs	105	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.3	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	5.13	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.25	-
Tj = operation limit temperature (***)	Pdh	3.3	kW	Tj = operation limit temperature (***)	COPd	1.25	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	3.5	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	3196	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	107	%
Daily electricity consumption	Qelec	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				

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 (\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0,9.

 (\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	ηs	141	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.6	kW	Tj = - 7 °C	COPd	3.00	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	2.0	kW	Tj = + 2 °C	COPd	4.08	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	6.06	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.32	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	2.32	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	4.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2953	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	107	%
Daily electricity consumption	Qelec	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				

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(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(\*\*\*) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	155	%		
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-		
Degradation co-efficient (**)	Cdh	-	-						
Tj = + 2 °C	Pdh	4.6	kW	Tj = + 2 °C	COPd	1.85	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 °C	Pdh	3.0	kW	Tj = + 7 °C	COPd	3.51	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	5.59	-		
Degradation co-efficient (**)	Cdh	0.96	-						
Tj = bivalent temperature	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.85	-		
Tj = operation limit temperature (***)	Pdh	4.6	kW	Tj = operation limit temperature (***)	COPd	1.85	-		
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C		
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than active mode				Supplementary heater					
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P <sub>TO</sub>	0.015	kW						
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW						
Other items									
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m <sup>3</sup> /h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA						
Annual energy consumption	Q <sub>HE</sub>	1560	kWh						
For heat pump combination heater:									
Declared load profile	XL			Water heating energy efficiency	ηwh	149	%		
Daily electricity consumption	Qelec	5.270	kWh						
Annual electricity consumption	AEC	1159	kWh						

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 (\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0,9.

 (\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	216	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.25	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	3.3	kW	Tj = + 7 °C	COPd	5.28	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.04	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.25	-
Tj = operation limit temperature (***)	Pdh	5.1	kW	Tj = operation limit temperature (***)	COPd	3.25	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2070	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	1247	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	149	%
Daily electricity consumption	Q <sub>elec</sub>	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	no	
Heat pump combination heater:	yes	
Parameters for	medium-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	129	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.1	kW	Tj = - 7 °C	COPd	2.02	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.5	kW	Tj = + 2 °C	COPd	3.20	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	4.64	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	2.3	kW	Tj = +12 °C	COPd	6.57	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.02	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	1.91	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.6	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2888	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	128	%
Daily electricity consumption	Q <sub>elec</sub>	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				

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Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

The identification and signature of the person empowered to bind the supplier:



Atsushi EDAYOSHI  
Manager, Quality Assurance Department  
UNITED KINGDOM

• Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

• Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T<sub>j</sub>).

(\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0.9.

(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

This information is based on EU regulation No 811/2013 and No 813/2013.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	180	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.5	kW	Tj = - 7 °C	COPd	2.88	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.7	kW	Tj = + 2 °C	COPd	4.50	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	6.50	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	2.6	kW	Tj = +12 °C	COPd	8.97	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.88	-
Tj = operation limit temperature (***)	Pdh	4.4	kW	Tj = operation limit temperature (***)	COPd	2.59	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.7	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2301	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	ηwh	128	%
Daily electricity consumption	Qelec	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				

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(\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(\*\*\*) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

This information is based on EU regulation No 811/2013 and No 813/2013.



**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	no	
Heat pump combination heater:	yes	
Parameters for	medium-temperature application.	
Parameters for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	3.5	kW	Seasonal space heating energy efficiency	ηs	105	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.3	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	5.13	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.25	-
Tj = operation limit temperature (***)	Pdh	3.3	kW	Tj = operation limit temperature (***)	COPd	1.25	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	3.5	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	3196	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	107	%
Daily electricity consumption	Q <sub>elec</sub>	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	no	
Heat pump combination heater:	yes	
Parameters for	low-temperature application.	
Parameters for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	$\eta_s$	141	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>d,h</sub>	2.6	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	3.00	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>d,h</sub>	2.0	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.08	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>d,h</sub>	2.0	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	6.06	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>d,h</sub>	1.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.60	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.94	-				
T <sub>j</sub> = bivalent temperature	P <sub>d,h</sub>	4.1	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.32	-
T <sub>j</sub> = operation limit temperature (***)	P <sub>d,h</sub>	4.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	2.32	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>d,h</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	P <sub>sup</sub>	4.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2070	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2953	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	107	%
Daily electricity consumption	Q <sub>elec</sub>	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

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	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	155	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	4.6	kW	Tj = + 2 °C	COPd	1.85	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	3.0	kW	Tj = + 7 °C	COPd	3.51	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	5.59	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operation limit temperature (***)	Pdh	4.6	kW	Tj = operation limit temperature (***)	COPd	1.85	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	1560	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	149	%
Daily electricity consumption	Q <sub>elec</sub>	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	no	
Heat pump combination heater:	yes	
Parameters for	low-temperature application.	
Parameters for	warmer climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	216	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.25	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	3.3	kW	Tj = + 7 °C	COPd	5.28	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.04	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.25	-
Tj = operation limit temperature (***)	Pdh	5.1	kW	Tj = operation limit temperature (***)	COPd	3.25	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2070	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	1247	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	149	%
Daily electricity consumption	Q <sub>elec</sub>	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters for	medium-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	132	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.1	kW	Tj = - 7 °C	COPd	2.04	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.5	kW	Tj = + 2 °C	COPd	3.25	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	4.64	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	2.3	kW	Tj = +12 °C	COPd	6.57	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.04	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	1.91	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.6	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2806	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	128	%
Daily electricity consumption	Q <sub>elec</sub>	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				

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(\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0,9.

(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters for	low-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	187	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.5	kW	Tj = - 7 °C	COPd	2.92	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.7	kW	Tj = + 2 °C	COPd	4.58	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	6.50	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	2.6	kW	Tj = +12 °C	COPd	8.97	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.92	-
Tj = operation limit temperature (***)	Pdh	4.4	kW	Tj = operation limit temperature (***)	COPd	2.59	-
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.7	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2220	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	128	%
Daily electricity consumption	Q <sub>elec</sub>	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				

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(\*\*) If C<sub>d,h</sub> is not determined by measurement then the default degradation coefficient is C<sub>d,h</sub> = 0.9.

(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

This information is based on EU regulation No 811/2013 and No 813/2013.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:	yes	
Water-to-water heat pump:	no	
Brine-to-water heat pump:	no	
Low-temperature heat pump:	no	
Equipped with a supplementary heater:	yes	
Heat pump combination heater:	yes	
Parameters for	medium-temperature application.	
Parameters for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	3.5	kW	Seasonal space heating energy efficiency	ηs	108	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.3	kW	Tj = - 7 °C	COPd	2.30	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	5.13	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.25	-
Tj = operation limit temperature (***)	Pdh	3.3	kW	Tj = operation limit temperature (***)	COPd	1.25	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	3.5	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW				
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	3108	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	107	%
Daily electricity consumption	Q <sub>elec</sub>	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	$\eta_s$	145	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>d,h</sub>	2.6	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	3.03	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>d,h</sub>	2.0	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.26	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.97	-				
T <sub>j</sub> = + 7 °C	P <sub>d,h</sub>	2.0	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	6.06	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>d,h</sub>	1.9	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.60	-
Degradation co-efficient (**)	C <sub>d,h</sub>	0.94	-				
T <sub>j</sub> = bivalent temperature	P <sub>d,h</sub>	4.1	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.32	-
T <sub>j</sub> = operation limit temperature (***)	P <sub>d,h</sub>	4.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	2.32	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>d,h</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	P <sub>sup</sub>	4.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.015	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.015	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2070	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2858	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	107	%
Daily electricity consumption	Q <sub>elec</sub>	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	160	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-	
Degradation co-efficient (**)	Cdh	-	-					
Tj = + 2 °C	Pdh	4.6	kW	Tj = + 2 °C	COPd	1.85	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 °C	Pdh	3.0	kW	Tj = + 7 °C	COPd	3.45	-	
Degradation co-efficient (**)	Cdh	0.98	-					
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	5.59	-	
Degradation co-efficient (**)	Cdh	0.96	-					
Tj = bivalent temperature	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.85	-	
Tj = operation limit temperature (***)	Pdh	4.6	kW	Tj = operation limit temperature (***)	COPd	1.85	-	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C	
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than active mode				Supplementary heater				
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P <sub>TO</sub>	0.015	kW					
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical			
Crankcase heater mode	P <sub>CK</sub>	0.000	kW					
Other items								
Capacity control	variable			Rated air flow rate, outdoors	-	2070	m³/h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA					
Annual energy consumption	Q <sub>HE</sub>	1506	kWh					

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	149	%
Daily electricity consumption	Q <sub>elec</sub>	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				

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(\*\*\*) If the declared TOL is lower than the T<sub>designh</sub> of the considered climate then the outdoor dry bulb temperature T<sub>j</sub> is equal to T<sub>designh</sub>.

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**PRODUCT INFORMATION / TECHNICAL DOCUMENTATION**

Model(s):	Outdoor unit:	SUZ-SWM40VA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	225	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-	
Degradation co-efficient (**)	Cdh	-	-					
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.13	-	
Degradation co-efficient (**)	Cdh	0.99	-					
Tj = + 7 °C	Pdh	3.3	kW	Tj = + 7 °C	COPd	5.18	-	
Degradation co-efficient (**)	Cdh	0.98	-					
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.04	-	
Degradation co-efficient (**)	Cdh	0.94	-					
Tj = bivalent temperature	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.13	-	
Tj = operation limit temperature (***)	Pdh	5.1	kW	Tj = operation limit temperature (***)	COPd	3.13	-	
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C	
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than active mode				Supplementary heater				
Off mode	P <sub>OFF</sub>	0.015	kW	Rated heat output (*)	Psup	0.0	kW	
Thermostat-off mode	P <sub>TO</sub>	0.015	kW					
Standby mode	P <sub>SB</sub>	0.015	kW	Type of energy input	Electrical			
Crankcase heater mode	P <sub>CK</sub>	0.000	kW					
Other items				Rated air flow rate, outdoors				
Capacity control	variable			-	2070	m <sup>3</sup> /h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	41 / 58	dBA					
Annual energy consumption	Q <sub>HE</sub>	1195	kWh					

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency	$\eta_{wh}$	149	%
Daily electricity consumption	Q <sub>elec</sub>	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				

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