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Indoor unit

EHSD-****D

Outdoor unit SUZ-SHWM60VAH(-SC)



55 °C

35 °C



A++

A+++



41 dB



60 dB

06

06

06

kW

06

06

06

kW



2019

811/2013



Table 1: SPACE HEATER. Columns: 1 (Outdoor unit), 2 (Indoor unit), 3-25 (Medium-temperature application), 4-25 (Low-temperature application). Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, SUZ-SWM40VA2(-SC), SUZ-SHM40VAH(-SC), SUZ-SWM60VA2(-SC), SUZ-SHM60VAH(-SC), SUZ-SWM80VA2, SUZ-SHM80VAH2, SUZ-SWM100VA, and SUZ-SWM100VAH.

Table 2: COMBINATION HEATER. Columns: 1 (Outdoor unit), 2 (Indoor unit), 3-25 (Medium-temperature application), 4-25 (Low-temperature application). Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, SUZ-SWM40VA2(-SC), SUZ-SHM40VAH(-SC), SUZ-SWM60VA2(-SC), SUZ-SHM60VAH(-SC), SUZ-SWM80VA2, SUZ-SHM80VAH2, SUZ-SWM100VA, and SUZ-SWM100VAH.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-****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:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	126	%
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	5.3	kW	Tj = - 7 °C	COPd	1.85	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 °C	COPd	3.13	-
Tj = + 2 °C	Pdh	3.7	kW	Tj = + 7 °C	COPd	4.66	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.53	-
Tj = + 7 °C	Pdh	3.1	kW	Tj = bivalent temperature	COPd	1.85	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.64	-
Tj = +12 °C	Pdh	3.9	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	5.3	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	5.8	kW	Rated heat output (*)	Psup	0.2	kW
Bivalent temperature	Tbiv	-7	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	°C	Power consumption in modes other than active mode			
Off mode				P _{OFF}			
Thermostat-off mode				P _{TO}			
Standby mode				P _{SB}			
Crankcase heater mode				P _{CK}			
Capacity control				variable			
Sound power level, indoors/outdoors				L _{WA}			
Annual energy consumption				Q _{HE}			
Rated air flow rate, outdoors				-			
Rated air flow rate, outdoors				2500			
Rated air flow rate, outdoors				m ³ /h			

Other items							
Declared load profile				-			
Daily electricity consumption				Q _{elec}			
Annual electricity consumption				AEC			
Water heating energy efficiency				η_{wh}			
Water heating energy efficiency				-			
Water heating energy efficiency				%			

Contact details
 MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

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



Tadashi SAITO
 Manager, Quality Assurance Department
 THAILAND

· 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(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-SHWM60VAH(-SC)
	Indoor unit:	EHSD-****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:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	η_s	175	%
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	5.4	kW	Tj = - 7 °C	COPd	2.78	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 2 °C	COPd	4.43	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	3.4	kW	Tj = + 7 °C	COPd	6.27	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	3.7	kW	Tj = +12 °C	COPd	7.11	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = bivalent temperature	Pdh	6.1	kW	Tj = bivalent temperature	COPd	2.26	-
Tj = operation limit temperature (***)	Pdh	6.1	kW	Tj = operation limit temperature (***)	COPd	2.26	-
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature	TOL	-25	°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 _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable			-	2500	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)				
Annual energy consumption	Q _{HE}	2838	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		-		η_{wh}	-		%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-****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:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.5	kW	Seasonal space heating energy efficiency	η_s	100	%
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	3.4	kW	Tj = - 7 °C	COPd	2.17	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.31	-
Tj = + 2 °C	Pdh	3.4	kW	Tj = + 7 °C	COPd	5.15	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.27	-
Tj = + 7 °C	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.15	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.08	-
Tj = +12 °C	Pdh	3.6	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.15	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	4.5	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	4.0	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	4.5	kW				
Bivalent temperature	Tbiv	-15	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	5.5	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable					2500	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)				
Annual energy consumption	Q _{HE}	5265	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			η_{wh}	-		%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-****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:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.5	kW	Seasonal space heating energy efficiency	η_s	147	%
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	3.4	kW	Tj = - 7 °C	COPd	3.31	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	4.56	-
Tj = + 2 °C	Pdh	3.6	kW	Tj = + 7 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.33	-
Tj = + 7 °C	Pdh	3.4	kW	Tj = bivalent temperature	COPd	1.92	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.71	-
Tj = +12 °C	Pdh	3.7	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.92	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	4.5	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.5	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	4.5	kW				
Bivalent temperature	Tbiv	-15	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable					2500	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)				
Annual energy consumption	Q _{HE}	3616	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-****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:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	167	%
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	COPd	2.47	-
Tj = + 2 °C	Pdh	6.0	kW	Tj = + 7 °C	COPd	3.95	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	5.50	-
Tj = + 7 °C	Pdh	3.9	kW	Tj = bivalent temperature	COPd	2.51	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	2.51	-
Tj = +12 °C	Pdh	3.6	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	6.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C	Other items			
Power consumption in modes other than active mode				Rated air flow rate, outdoors			
Off mode	P _{OFF}	0.015	kW			2500	m ³ /h
Thermostat-off mode	P _{TO}	0.015	kW	Capacity control			
Standby mode	P _{SB}	0.015	kW	variable			
Crankcase heater mode	P _{CK}	0.000	kW	Sound power level, indoors/outdoors			
				L _{WA}			
				41 / 60			
				Annual energy consumption			
				Q _{HE}			
				1884			
				kWh			

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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 Manager, Quality Assurance Department
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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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-****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:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	230	%
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	COPd	3.67	-
Tj = + 2 °C	Pdh	6.0	kW	Tj = + 7 °C	COPd	5.92	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	7.10	-
Tj = + 7 °C	Pdh	3.9	kW	Tj = bivalent temperature	COPd	3.67	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	3.67	-
Tj = +12 °C	Pdh	3.7	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	6.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C	Power consumption in modes other than active mode			
Off mode				P _{OFF}			
Thermostat-off mode				P _{TO}			
Standby mode				P _{SB}			
Crankcase heater mode				P _{CK}			
Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2500	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)				
Annual energy consumption	Q _{HE}	1378	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			η_{wh}	-	%	
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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The identification and signature of the person empowered to bind the supplier;			
The signature is signed in the average climate / medium-temperature section.		Tadashi SAITO Manager, Quality Assurance Department THAILAND	

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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-SHWM60VAH(-SC)
	Indoor unit:	EHSD-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:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	126	%
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	5.3	kW	Tj = - 7 °C	COPd	1.85	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 °C	COPd	3.13	-
Tj = + 2 °C	Pdh	3.7	kW	Tj = + 7 °C	COPd	4.66	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.53	-
Tj = + 7 °C	Pdh	3.1	kW	Tj = bivalent temperature	COPd	1.85	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.64	-
Tj = +12 °C	Pdh	3.9	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	5.3	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	5.8	kW	Rated heat output (*)	Psup	0.2	kW
Bivalent temperature	Tbiv	-7	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	°C	Other items			
Power consumption in modes other than active mode				Rated air flow rate, outdoors			
Off mode	P _{OFF}	0.015	kW			2500	m ³ /h
Thermostat-off mode	P _{TO}	0.015	kW	Capacity control			
Standby mode	P _{SB}	0.015	kW	variable			
Crankcase heater mode	P _{CK}	0.000	kW	Sound power level, indoors/outdoors			
				L _{WA}			
				41 / 60			
				Annual energy consumption			
				Q _{HE}			
				3850			
				kWh			
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			η_{wh}	-		
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items				Rated air flow rate, outdoors			
Capacity control	variable					2500	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 60					
Annual energy consumption	Q _{HE}	3850					
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			η_{wh}	-		
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Contact details
 MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 moo 7, Tambon don hua roh, Amphur muang, chonburi 20000, Thailand

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

 Tadashi SAITO
 Manager, Quality Assurance Department
 THAILAND

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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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-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:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	η_s	175	%
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	5.4	kW	Tj = - 7 °C	COPd	2.78	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	4.43	-
Tj = + 2 °C	Pdh	4.1	kW	Tj = + 7 °C	COPd	6.27	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.11	-
Tj = + 7 °C	Pdh	3.4	kW	Tj = bivalent temperature	COPd	2.26	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	2.26	-
Tj = +12 °C	Pdh	3.7	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	6.1	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.1	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	-10	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	°C	Other items			
Power consumption in modes other than active mode				Rated air flow rate, outdoors			
Off mode	P _{OFF}	0.015	kW			2500	m ³ /h
Thermostat-off mode	P _{TO}	0.015	kW	Capacity control			
Standby mode	P _{SB}	0.015	kW	variable			
Crankcase heater mode	P _{CK}	0.000	kW	Sound power level, indoors/outdoors			
				L _{WA}			
				41 / 60			
				Annual energy consumption			
				Q _{HE}			
				2838			
				kWh			

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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 (***) 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-SHWM60VAH(-SC)
	Indoor unit:	EHSD-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:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.5	kW	Seasonal space heating energy efficiency	η_s	100	%
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	3.4	kW	Tj = - 7 °C	COPd	2.17	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	3.31	-
Tj = + 2 °C	Pdh	3.4	kW	Tj = + 7 °C	COPd	5.15	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	6.27	-
Tj = + 7 °C	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.15	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.08	-
Tj = +12 °C	Pdh	3.6	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.15	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	4.5	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	4.0	kW	Supplementary heater			
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	4.5	kW	Rated heat output (*)	Psup	5.5	kW
Bivalent temperature	Tbiv	-15	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	°C	Other items			
Power consumption in modes other than active mode				Rated air flow rate, outdoors			
Off mode	P _{OFF}	0.015	kW	-	2500	m ³ /h	
Thermostat-off mode	P _{TO}	0.015	kW	Capacity control			
Standby mode	P _{SB}	0.015	kW	variable			
Crankcase heater mode	P _{CK}	0.000	kW	Sound power level, indoors/outdoors			
				L _{WA}			
				41 / 60			
				Annual energy consumption			
				Q _{HE}			
				5265			
				kWh			

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-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:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.5	kW	Seasonal space heating energy efficiency	η_s	147	%
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	3.4	kW	Tj = - 7 °C	COPd	3.31	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 °C	COPd	4.56	-
Tj = + 2 °C	Pdh	3.6	kW	Tj = + 7 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = +12 °C	COPd	7.33	-
Tj = + 7 °C	Pdh	3.4	kW	Tj = bivalent temperature	COPd	1.92	-
Degradation co-efficient (**)	Cdh	0.97	-	Tj = operation limit temperature (***)	COPd	1.71	-
Tj = +12 °C	Pdh	3.7	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	1.92	-
Degradation co-efficient (**)	Cdh	0.97	-	Operation limit temperature	TOL	-25	°C
Tj = bivalent temperature	Pdh	4.5	kW	Heating water operating limit temperature	WTOL	60	°C
Tj = operation limit temperature (***)	Pdh	5.5	kW				
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	4.5	kW				
Bivalent temperature	Tbiv	-15	°C				
Reference design conditions for space heating	Tdesignh	-22	°C				
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	P _{sup}	0.0	kW
Thermostat-off mode	P _{TO}	0.015	kW	Type of energy input	Electrical		
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				
Other items				Rated air flow rate, outdoors			
Capacity control	variable					2500	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)				
Annual energy consumption	Q _{HE}	3616	kWh				

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh				
Annual electricity consumption	AEC	-	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.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-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:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	167	%
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	COPd	2.47	-
Tj = + 2 °C	Pdh	6.0	kW	Tj = + 7 °C	COPd	3.95	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	5.50	-
Tj = + 7 °C	Pdh	3.9	kW	Tj = bivalent temperature	COPd	2.51	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	2.51	-
Tj = +12 °C	Pdh	3.6	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	6.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C	Other items			
Power consumption in modes other than active mode				Rated air flow rate, outdoors			
Off mode	P _{OFF}	0.015	kW			2500	m ³ /h
Thermostat-off mode	P _{TO}	0.015	kW	Capacity control			
Standby mode	P _{SB}	0.015	kW	variable			
Crankcase heater mode	P _{CK}	0.000	kW	Sound power level, indoors/outdoors			
				L _{WA}			
				41 / 60			
				Annual energy consumption			
				Q _{HE}			
				1884			
				kWh			

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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THAILAND							

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	EHSD-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:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.0	kW	Seasonal space heating energy efficiency	η_s	230	%
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	COPd	3.67	-
Tj = + 2 °C	Pdh	6.0	kW	Tj = + 7 °C	COPd	5.92	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 °C	COPd	7.10	-
Tj = + 7 °C	Pdh	3.9	kW	Tj = bivalent temperature	COPd	3.67	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	3.67	-
Tj = +12 °C	Pdh	3.7	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	°C
Tj = bivalent temperature	Pdh	6.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	6.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	°C	Other items			
Power consumption in modes other than active mode				Rated air flow rate, outdoors			
Off mode	P _{OFF}	0.015	kW			2500	m ³ /h
Thermostat-off mode	P _{TO}	0.015	kW	Capacity control	variable		
Standby mode	P _{SB}	0.015	kW	Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)
Crankcase heater mode	P _{CK}	0.000	kW	Annual energy consumption	Q _{HE}	1378	kWh

For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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