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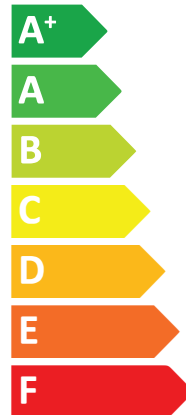
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Indoor unit ERST17/20D-****D
Outdoor unit SUZ-SHWM60VAH(-SC)



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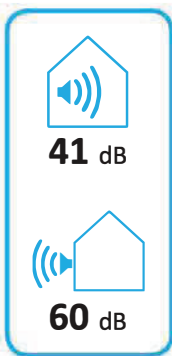




Table 1: SPACE HEATER. Columns: 1 (Outdoor unit), 2 (Indoor unit), 3-25 (Medium-temperature application), 4-25 (Low-temperature application). Rows include models like SUZ-SWM30VA, SUZ-SHM30VAH, SUZ-SWM40VA2(-SC), SUZ-SHM40VAH(-SC), SUZ-SWM60VA2(-SC), SUZ-SHM60VAH(-SC), SUZ-SWM80VA2, SUZ-SHM80VAH, SUZ-SWM100VA, SUZ-SHM100VAH.

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-SHM80VAH, SUZ-SWM100VA, SUZ-SHM100VAH.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	SUZ-SHWM60VAH(-SC)
	Indoor unit:	ERST17D-****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	6.0	kW	Seasonal space heating energy efficiency	η_s	128	%
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	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}	3794	kWh

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	L			η_{wh}	145	%	
Daily electricity consumption	Qelec	3.780	kWh				
Annual electricity consumption	AEC	832	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

· 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:	ERST17D-****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	6.1	kW	Seasonal space heating energy efficiency	η_s	178	%
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}			
				2783			
				kWh			
For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	145	%
Daily electricity consumption	Qelec	3.780	kWh				
Annual electricity consumption	AEC	832	kWh				

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Tadashi SAITO							
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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:	ERST17D-****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	5.5	kW	Seasonal space heating energy efficiency	η_s	101	%
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	Power consumption in modes other than active mode			
Power consumption in modes other than active mode				Off mode			
Off mode	P _{OFF}	0.015	kW	Thermostat-off mode	P _{TO}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW	Standby mode	P _{SB}	0.015	kW
Standby mode	P _{SB}	0.015	kW	Crankcase heater mode	P _{CK}	0.000	kW
Crankcase heater mode	P _{CK}	0.000	kW	Other items			
Capacity control				Rated air flow rate, outdoors			
variable				-			
Sound power level, indoors/outdoors				2500			
L _{WA}				m ³ /h			
41 / 60							
Annual energy consumption							
Q _{HE}							
5231							
kWh							
For heat pump combination heater:				Declared load profile			
L				Water heating energy efficiency			
Daily electricity consumption				η_{wh}			
Q _{elec}				121			
4.020				%			
Annual electricity consumption							
AEC							
884							
kWh							

Contact details							
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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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 (**) 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:	ERST17D-****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	5.5	kW	Seasonal space heating energy efficiency	η_s	148	%
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	Supplementary heater			
Bivalent temperature	Tbiv	-15	°C	Rated heat output (*)	Psup	0.0	kW
Reference design conditions for space heating	Tdesignh	-22	°C	Type of energy input	Electrical		
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
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}	3583	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	L			η_{wh}	121	%	
Daily electricity consumption	Q _{elec}	4.020	kWh				
Annual electricity consumption	AEC	884	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:	ERST17D-****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	6.0	kW	Seasonal space heating energy efficiency	η_s	173	%
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	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}	1818	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	L			η_{wh}	166	%	
Daily electricity consumption	Q _{elec}	3.360	kWh				
Annual electricity consumption	AEC	740	kWh				

Contact details

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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:	ERST17D-****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	6.0	kW	Seasonal space heating energy efficiency	η_s	241	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	-	kW	T _j = - 7 °C	COP _d	-	-
Degradation co-efficient (**)	C _{dh}	-	-	T _j = + 2 °C	COP _d	3.67	-
T _j = + 2 °C	P _{dh}	6.0	kW	T _j = + 7 °C	COP _d	5.92	-
Degradation co-efficient (**)	C _{dh}	0.99	-	T _j = +12 °C	COP _d	7.10	-
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = bivalent temperature	COP _d	3.67	-
Degradation co-efficient (**)	C _{dh}	0.98	-	T _j = operation limit temperature (***)	COP _d	3.67	-
T _j = +12 °C	P _{dh}	3.7	kW	Operation limit temperature	TOL	-25	°C
Degradation co-efficient (**)	C _{dh}	0.97	-	Heating water operating limit temperature	WTOL	60	°C
T _j = bivalent temperature	P _{dh}	6.0	kW	Supplementary heater			
T _j = operation limit temperature (***)	P _{dh}	6.0	kW	Rated heat output (*)	P _{sup}	0.0	kW
Bivalent temperature	T _{biv}	2	°C	Type of energy input	Electrical		
Reference design conditions for space heating	T _{designh}	2	°C	Power consumption in modes other than active mode			
Power consumption in modes other than active mode				Off mode			
Off mode	P _{OFF}	0.015	kW	Thermostat-off mode	P _{TO}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW	Standby mode	P _{SB}	0.015	kW
Standby mode	P _{SB}	0.015	kW	Crankcase heater mode	P _{CK}	0.000	kW
Crankcase heater mode	P _{CK}	0.000	kW	Other items			
Capacity control				Rated air flow rate, outdoors			
variable				-			
Sound power level, indoors/outdoors				2500			
L _{WA}				m ³ /h			
41 / 60							
Annual energy consumption							
Q _{HE}							
1312							
kWh							

For heat pump combination heater:							
Declared load profile				Water heating energy efficiency			
L				η_{wh}			
Daily electricity consumption				166			
Q _{elec}				%			
3.360							
Annual electricity consumption							
AEC							
740							
kWh							

Contact details

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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:	ERST20D-****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	6.0	kW	Seasonal space heating energy efficiency	η_s	128	%
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}			
				3794			
				kWh			

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	144	%
Daily electricity consumption	Qelec	3.780	kWh				
Annual electricity consumption	AEC	832	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

- 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:	ERST20D-****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	6.1	kW	Seasonal space heating energy efficiency	η_s	178	%
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	Power consumption in modes other than active mode			
Power consumption in modes other than active mode				Off mode			
Off mode	P _{OFF}	0.015	kW	Thermostat-off mode	P _{TO}	0.015	kW
Thermostat-off mode	P _{TO}	0.015	kW	Standby mode	P _{SB}	0.015	kW
Standby mode	P _{SB}	0.015	kW	Crankcase heater mode	P _{CK}	0.000	kW
Crankcase heater mode	P _{CK}	0.000	kW	Other items			
Capacity control				Rated air flow rate, outdoors			
variable				-			
Sound power level, indoors/outdoors				2500			
L _{WA}				m ³ /h			
41 / 60							
Annual energy consumption							
Q _{HE}							
2783							
kWh							

For heat pump combination heater:							
Declared load profile				Water heating energy efficiency			
L				η_{wh}			
Daily electricity consumption				144			
Q _{elec}				%			
3.780							
Annual electricity consumption							
AEC							
832							
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:	ERST20D-****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	5.5	kW	Seasonal space heating energy efficiency	η_s	101	%
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}			
				5231			
				kWh			

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	127	%
Daily electricity consumption	Qelec	4.220	kWh				
Annual electricity consumption	AEC	929	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:	ERST20D-****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	5.5	kW	Seasonal space heating energy efficiency	η_s	148	%
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	Supplementary heater			
Bivalent temperature	Tbiv	-15	°C	Rated heat output (*)	Psup	0.0	kW
Reference design conditions for space heating	Tdesignh	-22	°C	Type of energy input	Electrical		
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
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}	3583	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	127	%
Daily electricity consumption	Q _{elec}	4.220	kWh				
Annual electricity consumption	AEC	929	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:	ERST20D-****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	6.0	kW	Seasonal space heating energy efficiency	η_s	173	%
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	Sound power level, indoors/outdoors	L _{WA}	41 / 60	dB(A)
Standby mode	P _{SB}	0.015	kW	Annual energy consumption	Q _{HE}	1818	kWh
Crankcase heater mode	P _{CK}	0.000	kW	For heat pump combination heater:			
Other items				Declared load profile			
Capacity control	variable			Daily electricity consumption			
				Annual electricity consumption			
				Water heating energy efficiency			
				η _{wh}			
				159			
				%			

For heat pump combination heater:							
Declared load profile				Water heating energy efficiency			
L				η _{wh}			
Daily electricity consumption		Q _{elec}	3.070	Annual electricity consumption		AEC	676
			kWh				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:	ERST20D-****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	6.0	kW	Seasonal space heating energy efficiency	η_s	241	%
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}	1312	kWh				

For heat pump combination heater:							
Declared load profile	L			Water heating energy efficiency	η_{wh}	159	%
Daily electricity consumption	Q _{elec}	3.070	kWh				
Annual electricity consumption	AEC	676	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.