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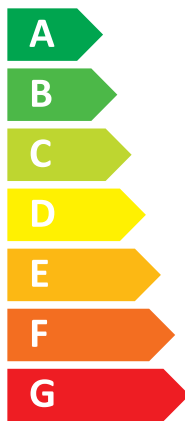


Indoor unit E*ST20D-**C (W)

Outdoor unit PUHZ-SW75VAA (-BS)



A⁺⁺



A

Two icons showing sound power levels. The top icon shows a speaker inside a house with the text "40 dB". The bottom icon shows a speaker outside a house with the text "58 dB".



A legend for power consumption with three colored squares: dark blue for "06 kW", medium blue for "07 kW", and light blue for "07 kW".

2015

811/2013

BH79J465H12

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	EHST20D-VM2C2
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	7.1	kW	Seasonal space heating energy efficiency	η_s	129	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	6.3	kW	T _j = - 7 °C	COP _d	2.04	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.23	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.9	kW	T _j = + 7 °C	COP _d	4.59	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	2.8	kW	T _j = +12 °C	COP _d	6.10	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	2.04	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.37	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	1.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2660	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	4325	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	145	%
Declared load profile		L					
Daily electricity consumption	Q _{elec}	3.400	kW/h				
Annual electricity consumption	AEC	751	kW/h				

Contact details		MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS	3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan
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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	EHST20D-VM2C2
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	7.2	kW	Seasonal space heating energy efficiency	η_s	162	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	6.4	kW	T _j = - 7 °C	COP _d	2.43	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C	COP _d	4.16	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.93	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.43	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	1.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	3500	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	145	%	
Daily electricity consumption	Q _{elec}	3.400	kW/h				
Annual electricity consumption	AEC	751	kW/h				

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

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	EHST20D-VM2C2
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	6.0	kW	Seasonal space heating energy efficiency	η_s	107	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	3.6	kW	T _j = - 7 °C	COP _d	2.37	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.2	kW	T _j = + 2 °C	COP _d	3.24	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	2.5	kW	T _j = + 7 °C	COP _d	4.70	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.0	kW	T _j = +12 °C	COP _d	6.74	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	5.7	kW	T _j = bivalent temperature	COP _d	1.30	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°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}	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	5158	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	123	%	
Daily electricity consumption	Q _{elec}	4.000	kW/h				
Annual electricity consumption	AEC	877	kW/h				

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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	EHST20D-VM2C2
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	6.0	kW	Seasonal space heating energy efficiency	η_s	129	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	3.6	kW	T _j = - 7 °C	COP _d	2.85	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	2.4	kW	T _j = + 2 °C	COP _d	4.14	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.82	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.81	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	5.7	kW	T _j = bivalent temperature	COP _d	1.56	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°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}	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	4251	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	123	%	
Daily electricity consumption	Q _{elec}	4.000	kW/h				
Annual electricity consumption	AEC	877	kW/h				

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

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	EHST20D-VM2C2
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	7.1	kW	Seasonal space heating energy efficiency	η_s	155	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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	P _{dh}	7.1	kW	T _j = + 2 °C	COP _d	1.98	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	3.19	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.9	kW	T _j = +12 °C	COP _d	5.70	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.94	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)
Annual energy consumption	Q _{HE}	2351	kWh
Rated air flow rate, outdoors		2660	m ³ /h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.100	kWh
Annual electricity consumption	AEC	678	kWh
Water heating energy efficiency	η_{wh}	161	%

Contact details	
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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	EHST20D-VM2C2
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	7.2	kW	Seasonal space heating energy efficiency	η_s	219	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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	P _{dh}	7.2	kW	T _j = + 2 °C	COP _d	3.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	4.79	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.57	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.43	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	1675	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	161	%	
Daily electricity consumption	Q _{elec}	3.100	kW/h				
Annual electricity consumption	AEC	678	kW/h				

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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	ERST20D-VM2C2
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	7.1	kW	Seasonal space heating energy efficiency	η_s	132	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	6.3	kW	T _j = - 7 °C	COP _d	2.04	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.8	kW	T _j = + 2 °C	COP _d	3.23	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.9	kW	T _j = + 7 °C	COP _d	4.59	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	2.8	kW	T _j = +12 °C	COP _d	6.10	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	2.04	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.37	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	1.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable				2660	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	4325	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}		145	%
Daily electricity consumption	Q _{elec}	3.400	kW/h				
Annual electricity consumption	AEC	751	kW/h				

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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	ERST20D-VM2C2
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	7.2	kW	Seasonal space heating energy efficiency	η_s	166	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	6.4	kW	T _j = - 7 °C	COP _d	2.43	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	3.9	kW	T _j = + 2 °C	COP _d	4.16	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.93	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.43	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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}	1.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	3500	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	145	%	
Daily electricity consumption	Q _{elec}	3.400	kW/h				
Annual electricity consumption	AEC	751	kW/h				

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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	ERST20D-VM2C2
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	6.0	kW	Seasonal space heating energy efficiency	η_s	109	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	3.6	kW	T _j = - 7 °C	COP _d	2.37	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 2 °C	P _{dh}	2.2	kW	T _j = + 2 °C	COP _d	3.24	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	2.5	kW	T _j = + 7 °C	COP _d	4.70	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = +12 °C	P _{dh}	3.0	kW	T _j = +12 °C	COP _d	6.74	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	5.7	kW	T _j = bivalent temperature	COP _d	1.30	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°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}	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	5158	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	123	%	
Daily electricity consumption	Q _{elec}	4.000	kW/h				
Annual electricity consumption	AEC	877	kW/h				

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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	ERST20D-VM2C2
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	6.0	kW	Seasonal space heating energy efficiency	η_s	132	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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}	3.6	kW	T _j = - 7 °C	COP _d	2.85	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	2.4	kW	T _j = + 2 °C	COP _d	4.14	-
Degradation co-efficient (**)	C _{dh}	0.97	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.82	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.81	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	5.7	kW	T _j = bivalent temperature	COP _d	1.56	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-20	°C	Operation limit temperature	TOL	-20	°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}	6.0	kW
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors	-	2660	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	4251	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	123	%
Declared load profile		L					
Daily electricity consumption	Q _{elec}	4.000	kW/h				
Annual electricity consumption	AEC	877	kW/h				

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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.

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	ERST20D-VM2C2
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	7.1	kW	Seasonal space heating energy efficiency	η_s	158	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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	P _{dh}	7.1	kW	T _j = + 2 °C	COP _d	1.98	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	3.19	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.9	kW	T _j = +12 °C	COP _d	5.70	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	6.3	kW	T _j = bivalent temperature	COP _d	1.94	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control		variable		-	2660	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)				
Annual energy consumption	Q _{HE}	2351	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	161	%	
Daily electricity consumption	Q _{elec}	3.100	kWh				
Annual electricity consumption	AEC	678	kWh				

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

Model(s):	Outdoor unit:	PUHZ-SW75VAA(-BS)
	Indoor unit:	ERST20D-VM2C2
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	7.2	kW	Seasonal space heating energy efficiency	η_s	226	%
Declared capacity for heating for part load at indoor <input type="checkbox"/> 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	P _{dh}	7.2	kW	T _j = + 2 °C	COP _d	3.13	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	4.6	kW	T _j = + 7 °C	COP _d	4.79	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	3.1	kW	T _j = +12 °C	COP _d	7.57	-
Degradation co-efficient (**)	C _{dh}	0.96	-				
T _j = bivalent temperature	P _{dh}	6.4	kW	T _j = bivalent temperature	COP _d	2.43	-
T _j = operation limit temperature	P _{dh}	5.6	kW	T _j = operation limit temperature	COP _d	1.30	-
T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW	T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-20	°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				
Standby mode	P _{SB}	0.015	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	40/58	dB(A)
Annual energy consumption	Q _{HE}	1675	kWh
Rated air flow rate, outdoors		2660	m ³ /h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.100	kWh
Annual electricity consumption	AEC	678	kWh
Water heating energy efficiency	η_{wh}	161	%

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