

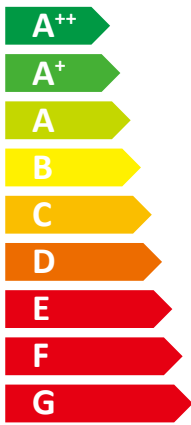
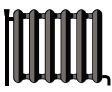


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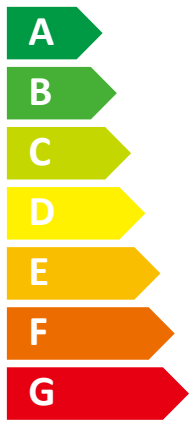
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Indoor unit EHPT20X-**C(W)
Outdoor unit PUHZ-W50VHA2(-BS)



A++



A

Two sound power level icons. The top one shows a speaker icon with sound waves and the text "40 dB". The bottom one shows a house icon with sound waves and the text "61 dB".



A legend for power consumption with three colored squares: dark blue for "04 kW", medium blue for "05 kW", and light blue for "05 kW".

2015

811/2013

RG79Y768H02

		For medium-temperature application																								For low-temperature application																							
1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
Outdoor unit	Indoor unit	Medium-temperature application																								Low-temperature application																							
		Medium-temperature application	Seasonal space heating energy efficiency class		Water heating energy efficiency class	Rated heat output under average climate conditions	For space heating, annual energy consumption under average climate conditions		For water heating, annual electricity consumption under average climate conditions		Seasonal space heating energy efficiency under average climate conditions		Water heating energy efficiency under average climate conditions		Sound power level L _{WA} indoor	Work only during off-peak hours			Rated heat output under colder climate conditions		Rated heat output under warmer climate conditions		For space heating, annual energy consumption under colder climate conditions		For space heating, annual energy consumption under warmer climate conditions		For water heating, annual energy consumption under colder climate conditions		For water heating, annual energy consumption under warmer climate conditions		Seasonal space heating energy efficiency under colder climate conditions		Seasonal space heating energy efficiency under warmer climate conditions		Water heating energy efficiency under colder climate conditions	Water heating energy efficiency under warmer climate conditions		Sound power level L _{WA} outdoor											
		Medium-temperature application	Energy Efficiency Ratio (EER)	Water Heating Energy Efficiency Ratio (WH-EER)	Rated Heat Output (kW)	Annual Energy Consumption (kWh)	Annual Electricity Consumption (kWh)	Seasonal Heating EER	Water Heating EER	Sound Power Level (dB)	Off-peak Heat Output (kW)	On-peak Heat Output (kW)	Annual Heating Energy Consumption (kWh)	Annual Heating Energy Consumption (kWh)	Annual Water Heating Electricity Consumption (kWh)	Seasonal Heating EER	Water Heating EER	Sound Power Level (dB)	Off-peak Heat Output (kW)	On-peak Heat Output (kW)	Annual Heating Energy Consumption (kWh)	Annual Heating Energy Consumption (kWh)	Annual Water Heating Electricity Consumption (kWh)	Seasonal Heating EER	Water Heating EER	Sound Power Level (dB)	Off-peak Heat Output (kW)	On-peak Heat Output (kW)	Annual Heating Energy Consumption (kWh)	Annual Heating Energy Consumption (kWh)	Annual Water Heating Electricity Consumption (kWh)	Seasonal Heating EER	Water Heating EER	Sound Power Level (dB)	Off-peak Heat Output (kW)	On-peak Heat Output (kW)	Annual Heating Energy Consumption (kWh)	Annual Heating Energy Consumption (kWh)	Annual Water Heating Electricity Consumption (kWh)	Seasonal Heating EER	Water Heating EER	Sound Power Level (dB)							
PUHZ-SW50VKA(-BS)	EHST20D-10C(W)	A++	A	A	4.3	2669	1112	125	98	40	-	4.0	4.3	3614	1378	1373	1034	101	157	80	105	63	A++	A	4.5	2138	1112	163	98	40	-	4.2	4.5	2709	1095	1373	1034	141	207	80	105	63							
	EHST20D-12C	A++	A	A	4.3	2669	740	125	146	40	-	4.0	4.3	3614	1378	878	643	101	157	122	168	63	A++	A	4.5	2138	740	163	146	40	-	4.2	4.5	2709	1095	878	643	141	207	122	168	63							
	ERST20D-10C	A++	A	A	4.3	2669	1112	128	98	40	-	4.0	4.3	3614	1378	1373	1034	103	161	80	105	63	A++	A	4.5	2138	1112	167	98	40	-	4.2	4.5	2709	1095	1373	1034	145	214	80	105	63							
	ERST20D-12C	A++	A	A	4.3	2669	740	128	146	40	-	4.0	4.3	3614	1378	878	643	103	161	122	168	63	A++	A	4.5	2138	740	167	146	40	-	4.2	4.5	2709	1095	878	643	145	214	122	168	63							
	EHSD-10C	A++	-	A	4.3	2669	-	125	-	40	-	4.0	4.3	3614	1378	-	-	101	157	-	-	63	A++	-	4.5	2138	-	163	-	40	-	4.2	4.5	2709	1095	-	-	141	207	-	-	63							
ERSD-10C	A++	-	A	4.3	2669	-	128	-	40	-	4.0	4.3	3614	1378	-	-	103	161	-	-	63	A++	-	4.5	2138	-	167	-	40	-	4.2	4.5	2709	1095	-	-	145	214	-	-	63								
PUHZ-SW75VHA(-BS)	EHST20C-10C(W)	A++	A	A	7.1	4403	1050	127	103	40	-	6.3	7.1	5967	2389	1360	1055	100	153	80	112	68	A++	A	7.2	3449	1050	165	103	40	-	6.4	7.2	4379	1596	1360	1055	139	231	80	112	68							
	ERST20C-10C	A++	A	A	7.1	4403	1050	129	103	40	-	6.3	7.1	5967	2389	1360	1055	101	155	80	112	68	A++	A	7.2	3449	1050	167	103	40	-	6.4	7.2	4379	1596	1360	1055	141	236	80	112	68							
	EHSC-10C	A++	-	A	7.1	4403	-	127	-	40	-	6.3	7.1	5967	2389	-	-	100	153	-	-	68	A++	-	7.2	3449	-	165	-	40	-	6.4	7.2	4379	1596	-	-	139	231	-	-	68							
	ERSC-10C	A++	-	A	7.1	4403	-	129	-	40	-	6.3	7.1	5967	2389	-	-	101	155	-	-	68	A++	-	7.2	3449	-	167	-	40	-	6.4	7.2	4379	1596	-	-	141	236	-	-	68							
	EHST20D-10C(W)	A++	A	A	7.1	4403	1086	127	100	40	-	6.3	7.1	6048	2409	1377	1005	99	153	80	110	68	A++	A	7.2	3475	1086	164	100	40	-	6.4	7.2	4463	1616	1377	1005	137	231	80	110	68							
	EHST20D-12C	A++	A	A	7.1	4403	766	127	141	40	-	6.3	7.1	6048	2409	880	643	99	153	122	168	68	A++	A	7.2	3475	766	164	141	40	-	6.4	7.2	4463	1616	880	643	137	231	122	168	68							
	ERST20D-10C	A++	A	A	7.1	4403	1086	129	100	40	-	6.3	7.1	6048	2409	1377	1005	101	155	80	110	68	A++	A	7.2	3475	1086	167	100	40	-	6.4	7.2	4463	1616	1377	1005	141	236	80	110	68							
	ERST20D-12C	A++	A	A	7.1	4403	766	129	141	40	-	6.3	7.1	6048	2409	880	643	101	155	122	168	68	A++	A	7.2	3475	766	167	141	40	-	6.4	7.2	4463	1616	880	643	141	236	122	168	68							
	EHSD-10C	A++	-	A	7.1	4403	-	127	-	40	-	6.3	7.1	6048	2409	-	-	99	153	-	-	68	A++	-	7.2	3475	-	164	-	40	-	6.4	7.2	4463	1616	-	-	137	231	-	-	68							
	ERSD-10C	A++	-	A	7.1	4403	-	129	-	40	-	6.3	7.1	6048	2409	-	-	101	155	-	-	68	A++	-	7.2	3475	-	167	-	40	-	6.4	7.2	4463	1616	-	-	141	236	-	-	68							
PUHZ-SW100VHA(-BS)	EHST20C-10C(W)	A++	A	A	10.0	6331	1044	125	103	40	-	6.9	10.0	6129	3454	1330	973	106	149	82	113	70	A++	A	10.4	5027	1044	164	103	40	-	7.2	10.4	4851	2502	1330	973	140	214	82	113	70							
	ERST20C-10C	A++	A	A	10.0	6331	1044	127	103	40	-	6.9	10.0	6129	3454	1330	973	107	152	82	113	70	A++	A	10.4	5027	1044	166	103	40	-	7.2	10.4	4851	2502	1330	973	143	219	82	113	70							
	EHSC-10C	A++	-	A	10.0	6331	-	125	-	40	-	6.9	10.0	6129	3454	-	-	106	149	-	-	70	A++	-	10.4	5027	-	164	-	40	-	7.2	10.4	4851	2502	-	-	140	214	-	-	70							
	ERSC-10C	A++	-	A	10.0	6331	-	127	-	40	-	6.9	10.0	6129	3454	-	-	107	152	-	-	70	A++	-	10.4	5027	-	166	-	40	-	7.2	10.4	4851	2502	-	-	143	219	-	-	70							
PUHZ-SW100VHA(-BS)	EHST20C-10C(W)	A++	A	A	10.0	6288	1044	125	103	40	-	6.9	10.0	6095	3425	1330	973	105	149	82	113	70	A++	A	10.4	4993	1044	163	103	40	-	7.2	10.4	4805	2477	1330	973	140	214	82	113	70							
	ERST20C-10C	A++	A	A	10.0	6288	1044	127	103	40	-	6.9	10.0	6095	3425	1330	973	107	152	82	113	70	A++	A	10.4	4993	1044	166	103	40	-	7.2	10.4	4805	2477	1330	973	143	219	82	113	70							
	EHSC-10C	A++	-	A	10.0	6288	-	125	-	40	-	6.9	10.0	6095	3425	-	-	105	149	-	-	70	A++	-	10.4	4993	-	163	-	40	-	7.2	10.4	4805	2477	-	-	140	214	-	-	70							
	ERSC-10C	A++	-	A	10.0	6288	-	127	-	40	-	6.9	10.0	6095	3425	-	-	107	152	-	-	70	A++	-	10.4	4993	-	166	-	40	-	7.2	10.4	4805	2477	-	-	143	219	-	-	70							
PUHZ-SW120VHA(-BS)	EHST20C-10C(W)	A++	A	A	12.0	7572	1109	125	99	40	-	8.1	12.0	8583	3958	1342	1053	110	157	82	104	72	A++	A	12.9	6303	1109	162	99	40	-	8.4	12.9	5876	3006	1342	1053	136	222	82	104	72							
	ERST20C-10C	A++	A	A	12.0	7572	1109	127	99	40	-	8.1	12.0	8583	3958	1342	1053	112	159	82	104	72	A++	A	12.9	6303	1109	164	99	40	-	8.4	12.9	5876	3006	1342	1053	139	226	82	104	72							
	EHSC-10C	A++	-	A	12.0	7572	-	125	-	40	-	8.1	12.0	8583	3958	-	-	110	157	-	-	72	A++	-	12.9	6303	-	162	-	40	-	8.4	12.9	5876	3006	-	-	136	222	-	-	72							
	ERSC-10C	A++	-	A	12.0	7572	-	127	-	40	-	8.1	12.0	8583	3958	-	-	112	159	-	-	72	A++	-	12.9	6303	-	164	-	40	-	8.4	12.9	5876	3006	-	-	139	226	-	-	72							
PUHZ-SW120VHA(-BS)	EHST20C-10C(W)	A++	A	A	12.0	7533	1109	125	99	40	-	8.1	12.0	8519	3929	1342	1053	110	157	82	104	72	A++	A	12.9	6259	1109	162	99	40	-	8.4	12.9	5828	2981	1342	1053	136	222	82	104	72							
	ERST20C-10C	A++	A	A	12.0	7533	1109	127	99	40	-	8.1	12.0	8519	3929	1342	1053	112	159	82	104	72	A++	A	12.9	6259	1109	164	99	40	-	8.4	12.9	5828	2981	1342	1053	139	226	82	104	72							
	EHSC-10C	A++	-	A	12.0	7533	-	125	-	40	-	8.1	12.0	8519	3929	-	-	110	157	-	-	72	A++	-	12.9	6259	-	162	-	40	-	8.4	12.9	5828	2981	-	-	136	222	-	-	72							
	ERSC-10C	A++	-	A	12.0	7533	-	127	-	40	-	8.1	12.0	8519	3929	-	-	112	159	-	-	72	A++	-	12.9	6259	-	164	-	40	-	8.4	12.9	5828	2981	-	-	139	226	-	-	72							
PUHZ-SW160VKA(-BS)	EHSE-10C	A++	-	A	13.5	8502	-	125	-	45	-	9.9	13.5	8806	4596	-	-	106	151	-	-	78	A++	-	15.3	7493	-	161	-	45	-	11.8	15.3	8079	3715	-	-	139	212	-	-	78							
	ERSE-10C	A++	-	A	13.5	8502	-	126	-	45	-	9.9	13.5	8806	4596	-	-	107	152	-	-	78	A++	-	15.3	7493	-	163	-	45	-	11.8	15.3	8079	3715	-	-	140	215	-	-	78							
PUHZ-SW200VKA(-BS)	EHSE-10C	A++	-	A	15.5	9623	-	127	-	45	-	11.1	15.5	9625	5449	-	-	109	147	-	-	78	A++	-	17.3	8410	-	163	-	45	-	13.7	17.3	918															

Model(s):	Outdoor unit:	PUHZ-W50VHA2(-BS)
	Indoor unit:	EHPT20X-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	5.0	kW	Seasonal space heating energy efficiency	η_s	127	%
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}	4.4	kW	T _j = - 7 °C	COP _d	2.14	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	2.7	kW	T _j = + 2 °C	COP _d	3.23	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	2.5	kW	T _j = + 7 °C	COP _d	4.20	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	2.6	kW	T _j = +12 °C	COP _d	6.17	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	4.4	kW	T _j = bivalent temperature	COP _d	2.14	-
T _j = operation limit temperature	P _{dh}	3.5	kW	T _j = operation limit temperature	COP _d	1.85	-
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	-15	°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}	0.9	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	-	3000	m ³ /h
Capacity control		variable					
Sound power level, indoors/outdoors	L _{WA}	40/61	dB(A)				
Annual energy consumption	Q _{HE}	3051	kWh				

For heat pump combination heater:				Water heating energy efficiency	η_{wh}	131	%
Declared load profile		L					
Daily electricity consumption	Q _{elec}	3.700	kW/h				
Annual electricity consumption	AEC	817	kW/h				

Contact details

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

(*) 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-W50VHA2(-BS)
	Indoor unit:	EHPT20X-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	5.0	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}	4.4	kW	T _j = - 7 °C	COP _d	2.98	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	2.7	kW	T _j = + 2 °C	COP _d	4.14	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	5.20	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = +12 °C	P _{dh}	2.7	kW	T _j = +12 °C	COP _d	7.08	-
Degradation co-efficient (**)	C _{dh}	0.99	-				
T _j = bivalent temperature	P _{dh}	4.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	3.5	kW	T _j = operation limit temperature	COP _d	1.76	-
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	-15	°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}	0.9	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		-	3000	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/61	dB(A)				
Annual energy consumption	Q _{HE}	2385	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	131	%	
Daily electricity consumption	Q _{elec}	3.700	kW/h				
Annual electricity consumption	AEC	817	kW/h				

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

(*) 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-W50VHA2(-BS)
	Indoor unit:	EHPT20X-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	4.3	kW	Seasonal space heating energy efficiency	η_s	108	%
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}	2.6	kW	T _j = - 7 °C	COP _d	2.43	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	1.6	kW	T _j = + 2 °C	COP _d	3.33	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.6	kW	T _j = + 7 °C	COP _d	4.53	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.6	kW	T _j = +12 °C	COP _d	6.23	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	3.5	kW	T _j = bivalent temperature	COP _d	1.71	-
T _j = operation limit temperature	P _{dh}	3.5	kW	T _j = operation limit temperature	COP _d	1.71	-
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}	-15	°C	Operation limit temperature	TOL	-15	°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}	4.3	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}	40/61	dB(A)
Annual energy consumption	Q _{HE}	3679	kWh
Rated air flow rate, outdoors		3000	m ³ /h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	4.900	kWh
Annual electricity consumption	AEC	1079	kWh
Water heating energy efficiency	η_{wh}	99	%

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-W50VHA2(-BS)
	Indoor unit:	EHPT20X-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	4.3	kW	Seasonal space heating energy efficiency	η_s	138	%
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}	2.6	kW	T _j = - 7 °C	COP _d	3.33	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 2 °C	P _{dh}	1.6	kW	T _j = + 2 °C	COP _d	4.26	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	2.7	kW	T _j = + 7 °C	COP _d	5.52	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.7	kW	T _j = +12 °C	COP _d	7.30	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	3.5	kW	T _j = bivalent temperature	COP _d	2.14	-
T _j = operation limit temperature	P _{dh}	3.5	kW	T _j = operation limit temperature	COP _d	2.14	-
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}	-15	°C	Operation limit temperature	TOL	-15	°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}	4.3	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		-	3000	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/61	dB(A)				
Annual energy consumption	Q _{HE}	2857	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	99	%	
Daily electricity consumption	Q _{elec}	4.900	kW/h				
Annual electricity consumption	AEC	1079	kW/h				

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-W50VHA2(-BS)
	Indoor unit:	EHPT20X-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	5.0	kW	Seasonal space heating energy efficiency	η_s	157	%
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}	5	kW	T _j = + 2 °C	COP _d	2.05	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.2	kW	T _j = + 7 °C	COP _d	3.67	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.5	kW	T _j = +12 °C	COP _d	5.18	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	4.4	kW	T _j = bivalent temperature	COP _d	2.03	-
T _j = operation limit temperature	P _{dh}	3.5	kW	T _j = operation limit temperature	COP _d	1.76	-
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	-15	°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		-	3000	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/61	dB(A)				
Annual energy consumption	Q _{HE}	1609	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	741	kW/h				

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-W50VHA2(-BS)
	Indoor unit:	EHPT20X-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	5.0	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}	5	kW	T _j = + 2 °C	COP _d	3.13	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = + 7 °C	P _{dh}	3.2	kW	T _j = + 7 °C	COP _d	5.62	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	2.6	kW	T _j = +12 °C	COP _d	6.64	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	4.4	kW	T _j = bivalent temperature	COP _d	2.98	-
T _j = operation limit temperature	P _{dh}	3.5	kW	T _j = operation limit temperature	COP _d	1.76	-
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	-15	°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		-	3000	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/61	dB(A)				
Annual energy consumption	Q _{HE}	1144	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	145	%	
Daily electricity consumption	Q _{elec}	3.400	kWh				
Annual electricity consumption	AEC	741	kWh				

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.