



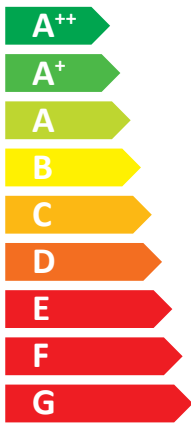
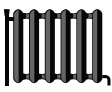
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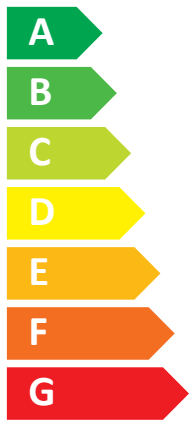
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Indoor unit EHPT20X-**C (W)
Outdoor unit PUHZ-W85VHA2 (-BS)



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 "66 dB".



- 05 kW
- 09 kW**
- 09 kW

2015

811/2013

BH79J465H10

	English	Dutch	French	Italian	Spanish
	Netherlands	Nederland	France	Italia	España
	Outdoor unit	Svenska	Danish	Portugals	EMLUKK
	Indoor unit	Castina	Български	Polski	unidade exterior
1	Unit power level	Aufengerät	Unité extérieure	unite estera	unidade exterior
2	Indoor unit	Utomusent	Unités exterieur	unidade exterior	unidade interior
3	Medium-temperature application	Уплътнявател	Unité intérieure	unidade interior	unidade interior
4	High-temperature application	Уплътнявател	Unités exterieur	unidade exterior	unidade exterior
5	Low-temperature application	Utomusent	Unités exterieur	unidade exterior	unidade exterior
6	Water heating energy efficiency class	Уплътнявател	Unités exterieur	unidade exterior	unidade exterior
7	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
8	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
9	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
10	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
11	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
12	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
13	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
14	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
15	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
16	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
17	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
18	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
19	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
20	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
21	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
22	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
23	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior
24	Water heating energy efficiency class	Utomusent	Unités exterieur	unidade exterior	unidade exterior

Model(s):	Outdoor unit:	PUHZ-W85VHA2(-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	8.5	kW	Seasonal space heating energy efficiency	η_s	128	%
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}	7.5	kW	T _j = - 7 °C	COP _d	1.98	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 2 °C	P _{dh}	4.6	kW	T _j = + 2 °C	COP _d	3.13	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 7 °C	P _{dh}	3.6	kW	T _j = + 7 °C	COP _d	4.64	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.8	kW	T _j = +12 °C	COP _d	6.49	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	7.5	kW	T _j = bivalent temperature	COP _d	1.98	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.50	-
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}	1.6	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		-	2940	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/66	dB(A)				
Annual energy consumption	Q _{HE}	5235	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	126	%	
Daily electricity consumption	Q _{elec}	3.900	kW/h				
Annual electricity consumption	AEC	852	kW/h				

Contact details

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

(*) 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-W85VHA2(-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	8.5	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}	7.5	kW	T _j = - 7 °C	COP _d	2.76	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 2 °C	P _{dh}	4.6	kW	T _j = + 2 °C	COP _d	3.96	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 7 °C	P _{dh}	3.8	kW	T _j = + 7 °C	COP _d	5.79	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = +12 °C	P _{dh}	5.0	kW	T _j = +12 °C	COP _d	8.06	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	7.5	kW	T _j = bivalent temperature	COP _d	2.76	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.50	-
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}	1.6	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		-	2940	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/66	dB(A)				
Annual energy consumption	Q _{HE}	4129	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	126	%	
Daily electricity consumption	Q _{elec}	3.900	kW/h				
Annual electricity consumption	AEC	852	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-W85VHA2(-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	5.2	kW	Seasonal space heating energy efficiency	η_s	97	%
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}	3.1	kW	T _j = - 7 °C	COP _d	2.53	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 2 °C	P _{dh}	1.9	kW	T _j = + 2 °C	COP _d	2.38	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 7 °C	P _{dh}	3.7	kW	T _j = + 7 °C	COP _d	5.09	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = +12 °C	P _{dh}	4.9	kW	T _j = +12 °C	COP _d	6.95	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	4.9	kW	T _j = bivalent temperature	COP _d	1.50	-
T _j = operation limit temperature	P _{dh}	4.9	kW	T _j = operation limit temperature	COP _d	1.50	-
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}	5.2	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		-	2940	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/66	dB(A)				
Annual energy consumption	Q _{HE}	4992	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	109	%	
Daily electricity consumption	Q _{elec}	4.400	kW/h				
Annual electricity consumption	AEC	978	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-W85VHA2(-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	5.2	kW	Seasonal space heating energy efficiency	η_s	117	%
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}	3.1	kW	T _j = - 7 °C	COP _d	3.17	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 2 °C	P _{dh}	1.9	kW	T _j = + 2 °C	COP _d	2.78	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 7 °C	P _{dh}	3.9	kW	T _j = + 7 °C	COP _d	5.89	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = +12 °C	P _{dh}	5.0	kW	T _j = +12 °C	COP _d	7.60	-
Degradation co-efficient (**)	C _{dh}	0.95	-				
T _j = bivalent temperature	P _{dh}	4.9	kW	T _j = bivalent temperature	COP _d	1.90	-
T _j = operation limit temperature	P _{dh}	4.9	kW	T _j = operation limit temperature	COP _d	1.90	-
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}	5.2	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		-	2940	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/66	dB(A)				
Annual energy consumption	Q _{HE}	4146	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	109	%	
Daily electricity consumption	Q _{elec}	4.400	kW/h				
Annual electricity consumption	AEC	978	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-W85VHA2(-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	8.5	kW	Seasonal space heating energy efficiency	η_s	184	%
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}	8.5	kW	T _j = + 2 °C	COP _d	2.06	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 7 °C	P _{dh}	5.5	kW	T _j = + 7 °C	COP _d	3.71	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.7	kW	T _j = +12 °C	COP _d	7.11	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	7.5	kW	T _j = bivalent temperature	COP _d	1.98	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.50	-
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		-	2940	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	40/66	dB(A)				
Annual energy consumption	Q _{HE}	2371	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile		L		η_{wh}	149	%	
Daily electricity consumption	Q _{elec}	3.300	kW/h				
Annual electricity consumption	AEC	722	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-W85VHA2(-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	8.5	kW	Seasonal space heating energy efficiency	η_s	245	%
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}	8.5	kW	T _j = + 2 °C	COP _d	3.17	-
Degradation co-efficient (**)	C _{dh}	0.90	-				
T _j = + 7 °C	P _{dh}	5.5	kW	T _j = + 7 °C	COP _d	5.26	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = +12 °C	P _{dh}	4.9	kW	T _j = +12 °C	COP _d	8.68	-
Degradation co-efficient (**)	C _{dh}	0.98	-				
T _j = bivalent temperature	P _{dh}	7.5	kW	T _j = bivalent temperature	COP _d	2.76	-
T _j = operation limit temperature	P _{dh}	4.7	kW	T _j = operation limit temperature	COP _d	1.50	-
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}	40/66	dB(A)
Annual energy consumption	Q _{HE}	1775	kWh
Rated air flow rate, outdoors		2940	m ³ /h

For heat pump combination heater:			
Declared load profile		L	
Daily electricity consumption	Q _{elec}	3.300	kWh
Annual electricity consumption	AEC	722	kWh
Water heating energy efficiency	η_{wh}	149	%

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