

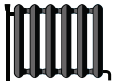


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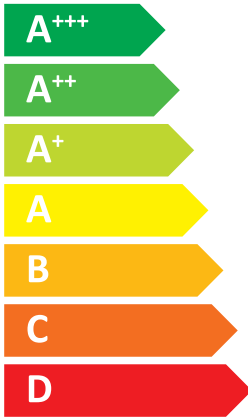


Indoor unit E\*PX-\*\*\*\*D  
Outdoor unit PUZ-WM85YAA(-BS)



55 °C

35 °C



A++

A+++

**40** dB

**58** dB

06	05
<b>09</b>	<b>09</b>
09	09
kW	kW

2019

811/2013

BH79V004H52

## Mitsubishi Electric ERP Directive Related Product Information: erp.mitsubishielectric.eu/erp

Outdoor unit	Indoor unit	Medium-temperature application	3	5	6	7	8	9	10	11	12	13	For medium-temperature application												4	5	6	7	8	9	10	11	12	13	For low-temperature application												25
													14	15	16	17	18	19	20	21	22	23	24	25											14	15	16	17	18	19	20	21	22	23	24	25	
PUZ-WM650VHA-(BS)	EHPT17X-****D	>	A++	A+	L	L	5.0	3014	902	129	120	40	3.1	5.0	2760	1616	1065	805	107	157	101	135	61	A+++	A+	L	5.0	213	902	183	120	40	4.2	5.0	2713	1111	1065	805	141	226	101	135	61				
	EHPT20X-****D	>	A++	A+	L	L	5.0	3014	803	129	120	40	3.1	5.0	2760	1616	1065	805	111	162	101	135	61	A+++	A+	L	5.0	213	803	183	135	40	4.2	5.0	2713	1111	1065	805	146	237	101	135	61				
	ERPT20X-****D	>	A++	A+	L	L	5.0	3014	803	129	135	40	3.1	5.0	2760	1616	934	709	107	157	116	154	61	A+++	A+	L	5.0	213	803	183	135	40	4.2	5.0	2713	1111	934	709	141	226	116	154	61				
	EHPT20X-****D	>	A++	A+	L	L	5.0	3014	803	129	135	40	3.1	5.0	2760	1616	1616	709	107	157	116	154	61	A+++	A+	L	5.0	213	803	183	135	40	4.2	5.0	2713	1111	1616	709	141	226	116	154	61				
PUZ-WM85VAA-(BS)	ERPT30X-****D	>	A++	A+	L	L	5.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
	ERPT30X-****D	>	A++	A+	L	L	5.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
	ERPT30X-****D	>	A++	A+	L	L	5.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
	ERPT30X-****D	>	A++	A+	L	L	5.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
PUZ-WM85VAA-(BS)	ERPT17X-****D	>	A++	A+	L	L	8.5	4837	899	138	120	40	6.1	8.5	4376	2799	1073	803	128	158	101	135	58	A+++	A+	L	8.5	3473	899	190	120	40	4.9	8.5	2733	1916	1073	803	166	224	101	135	58				
	ERPT17X-****D	>	A++	A+	L	L	8.5	4837	899	138	120	40	6.1	8.5	4376	2799	1073	803	128	158	101	135	58	A+++	A+	L	8.5	3473	899	190	120	40	4.9	8.5	2733	1916	1073	803	166	224	101	135	58				
	ERPT20X-****D	>	A++	A+	L	L	8.5	4837	899	138	145	40	6.1	8.5	4376	2799	927	679	128	158	116	161	58	A+++	A+	L	8.5	3473	749	190	145	40	4.9	8.5	2733	1916	927	679	166	224	116	161	58				
	ERPT20X-****D	>	A++	A+	L	L	8.5	4837	899	138	145	40	6.1	8.5	4376	2799	927	679	128	158	116	161	58	A+++	A+	L	8.5	3473	749	190	145	40	4.9	8.5	2733	1916	927	679	166	224	116	161	58				
PUZ-WM85VAA-(BS)	ERPT20X-****D	>	A++	A+	L	L	8.5	4837	899	138	120	40	6.1	8.5	4376	2799	1073	803	128	158	101	135	58	A+++	A+	L	8.5	3473	899	190	120	40	4.9	8.5	2733	1916	1073	803	166	224	101	135	58				
	ERPT20X-****D	>	A++	A+	L	L	8.5	4837	899	138	120	40	6.1	8.5	4376	2799	1073	803	128	158	101	135	58	A+++	A+	L	8.5	3473	899	190	120	40	4.9	8.5	2733	1916	1073	803	166	224	101	135	58				
	ERPT20X-****D	>	A++	A+	L	L	8.5	4837	899	138	120	40	6.1	8.5	4376	2799	1073	803	128	158	101	135	58	A+++	A+	L	8.5	3473	899	190	120	40	4.9	8.5	2733	1916	1073	803	166	224	101	135	58				
	ERPT20X-****D	>	A++	A+	L	L	8.5	4837	899	138	120	40	6.1	8.5	4376	2799	1073	803	128	158	101	135	58	A+++	A+	L	8.5	3473	899	190	120	40	4.9	8.5	2733	1916	1073	803	166	224	101	135	58				
PUZ-WM112VAA-(BS)	ERPT30X-****D	>	A++	A+	L	L	10.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
	ERPT30X-****D	>	A++	A+	L	L	10.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
	ERPT30X-****D	>	A++	A+	L	L	10.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				
	ERPT30X-****D	>	A++	A+	L	L	10.0	5905	1443	136	120	40	9.2	10.0	6990	3401	1808	1294	124	154	96	135	60	A+++	A	XL	10.0	4145	1443	195	120	40	9.9	10.0	6990	3401	1808	1294	169	220	96	135	60				

 Details and precautions on installation, maintenance and assembly can be found in the installation and/or operation manuals.  
 This information is based on COMMISSION DELEGATED REGULATION (EU) No 813/2013.



Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	EHPX-**D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	138	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.07	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.46	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.7	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.00	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.4	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.08	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.07	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-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 <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW				
Standby mode	P <sub>SB</sub>	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	4837	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUZ-WM85YAA(-BS)
	Indoor unit:	EHPX-**D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	190	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	3.10	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.79	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.2	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	6.81	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	9.14	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.95	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.10	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-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 <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW				
Standby mode	P <sub>SB</sub>	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items			
Capacity control		variable	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/58	dB(A)
Annual energy consumption	Q <sub>HE</sub>	3473	kWh
Rated air flow rate, outdoors		2660	m <sup>3</sup> /h

For heat pump combination heater:			
Declared load profile		-	
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h
Annual electricity consumption	AEC	-	kW/h
Water heating energy efficiency	$\eta_{wh}$	-	%

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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:	PUZ-WM85YAA(-BS)
	Indoor unit:	EHPX-**D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	$\eta_s$	128	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	3.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.98	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.96	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.80	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.06	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	5.0	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.11	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.0	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-15	°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 <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	6.1	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW				
Standby mode	P <sub>SB</sub>	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	4376	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUZ-WM85YAA(-BS)
	Indoor unit:	EHPX-**D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.9	kW	Seasonal space heating energy efficiency	$\eta_s$	166	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.4	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	4.31	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.9	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	5.13	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.8	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.76	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	8.18	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.29	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	2.29	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-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 <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	4.9	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW				
Standby mode	P <sub>SB</sub>	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2733	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUZ-WM85YAA(-BS)
	Indoor unit:	EHPX-**D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	155	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	1.88	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.5	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	3.22	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.4	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.76	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.88	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°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 <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW				
Standby mode	P <sub>SB</sub>	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2799	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUZ-WM85YAA(-BS)
	Indoor unit:	EHPX-**D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	224	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.66	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.5	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.91	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.66	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.66	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°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 <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW				
Standby mode	P <sub>SB</sub>	0.022	kW	Type of energy input	Electrical		
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40/58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	1916	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kW/h				
Annual electricity consumption	AEC	-	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:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for	medium-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	141	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.07	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.46	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.7	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.00	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.4	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.08	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.95	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.07	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	4837	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			η <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	4837	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			η <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	197	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	3.10	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.79	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.2	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	6.81	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	9.14	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.10	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	3473	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	$\eta_s$	132	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	3.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.98	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.96	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.80	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.06	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	5.0	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.11	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.0	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-15	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	6.1	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	4376	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	4376	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.9	kW	Seasonal space heating energy efficiency	$\eta_s$	175	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.4	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	4.31	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.9	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	5.13	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.8	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.76	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	8.18	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.29	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	2.29	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	4.9	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2733	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2733	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	159	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	1.88	-
Degradation co-efficient (**)	C <sub>dh</sub>	1.00	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.5	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	3.22	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.4	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.76	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.88	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2799	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	234	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.66	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.5	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.91	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.66	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.66	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	2799	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-MD
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for	medium-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	141	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.07	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.46	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.7	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.00	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.4	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.08	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.95	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.07	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2660	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	4837	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	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.  
(\*\*\*) 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.



Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-MD
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for	low-temperature application.	
Parameters for	average climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	197	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	3.10	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	4.79	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.2	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	6.81	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.2	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	9.14	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.96	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.10	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.80	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.3	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	3473	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	3473	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-MD
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.1	kW	Seasonal space heating energy efficiency	$\eta_s$	132	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	3.9	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	2.98	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.96	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.80	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.06	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	5.0	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.11	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.0	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-15	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	6.1	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	4376	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dBA				
Annual energy consumption	Q <sub>HE</sub>	4376	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-MD
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for	low-temperature application.	
Parameters for	colder climate conditions.	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.9	kW	Seasonal space heating energy efficiency	$\eta_s$	175	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	4.4	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	4.31	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.9	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	5.13	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	3.8	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	5.76	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	8.18	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.29	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.6	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	2.29	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	4.9	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2733	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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.  
(\*\*\*) 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.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-MD
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	159	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	1.88	-
Degradation co-efficient (**)	C <sub>dh</sub>	1.00	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.5	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	3.22	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.4	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	5.76	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.98	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1.88	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2799	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

Other items				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	0.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2799	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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(\*\*\*) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

Model(s):	Outdoor unit:	PUZ-WM85YAA(-BS)
	Indoor unit:	ERPX-MD
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		no
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.5	kW	Seasonal space heating energy efficiency	$\eta_s$	234	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub>	-	-
Degradation co-efficient (**)	C <sub>dh</sub>	-	-				
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub>	3.66	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.5	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub>	4.91	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.99	-				
T <sub>j</sub> = +12 °C	P <sub>dh</sub>	3.6	kW	T <sub>j</sub> = +12 °C	COP <sub>d</sub>	7.66	-
Degradation co-efficient (**)	C <sub>dh</sub>	0.97	-				
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.5	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3.66	-
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.1	kW	T <sub>j</sub> = operation limit temperature (***)	COP <sub>d</sub>	1.71	-
T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	-	kW	T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub>	-	-
Bivalent temperature	T <sub>biv</sub>	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	T <sub>designh</sub>	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0.022	kW	Rated heat output (*)	P <sub>sup</sub>	1.0	kW
Thermostat-off mode	P <sub>TO</sub>	0.022	kW	Type of energy input	Electrical		
Standby mode	P <sub>SB</sub>	0.022	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	variable			Rated air flow rate, outdoors	-	2660	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	40 / 58	dB(A)				
Annual energy consumption	Q <sub>HE</sub>	2799	kWh				
For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	-			$\eta_{wh}$	-		%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh				
Annual electricity consumption	AEC	-	kWh				

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