Parameters for pump:	Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
Mate-to-water heat pump: no no			Indoor unit:		EHSE-***D			
Prime-to-water heat pump:	Air-to-water heat pump:				yes			
Convenementation host pump:	Water-to-water heat pump:				no			
Figure Parameters Formation Parameters Parameters Parameters Formation Parameters Paramet	Brine-to-water heat pump:				no			
Heast pump combination heater:	Low-temperature heat pump:				no			
Parameters for	Equipped with a supplementary heater:				yes			
Parameters for	Heat pump combination heater:				no			
Rated heat output (*)	Parameters for				medium-temperature application.			
Rated heat output (*)	Parameters for				average climate conditions.			
Protect 15.5 No.	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity for heating for part load at indoor temperature 7) "C and outdoor temperature 7) "T j= +2 "C	Rated heat output (*)	Prated	15.5	kW		ηѕ	127	%
T j = -7 °C	Declared capacity for heating for part load a	t indoor		l		nergy ratio fo	or	
Degradation co-efficient (**)	temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = + 2 °C	Tj = - 7 °C	Pdh	13.7	kW	Tj = - 7 °C	COPd	1.83	-
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	1.00	-			-	
$ T_{j} = +7 \ ^{\circ}C \\ Degradation co-efficient (**) \\ Degrad$	Tj = + 2 °C	Pdh	8.3	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**) Tj = +12 °C Pdh 7.4 kW Degradation co-efficient (**) Cdh 0.98 - Tj = bivalent temperature Pdh 13.7 kW Tj = peration limit temperature Pdh 13.0 kW Tj = peration limit temperature Pdh 13.0 kW Tj = operation limit temperature Pdh 13.0 kW Tj = operation limit temperature Pdh 13.0 kW Tj = operation limit temperature ToL 20 °C Power consumption in modes other than active mode Off mode Porf Thermostat-off mode Porf Crankcase heater mode Porf Capacity control Sound power level, indoors/outdoors LwA Annual energy consumption Poelared load profile Daily electricity consumption AEC Annual electricity consumption AEC Codd 1.83 - Tj = ty 2 °C Coperation limit temperature ToL 20 °C Coperation limit temperature ToL 2-20 °C Coperation limit temperature ToL 2-20 °C Coperation limit temperature ToL 2-20 °C Author For Heat pure was operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency Nwh - % Contact details	Degradation co-efficient (**)	Cdh	0.99	-			-	
Tj = +12 °C	Tj = + 7 °C	Pdh	5.9	kW	Tj = + 7 °C	COPd	4.27	-
Degradation co-efficient (**) Tj = bivalent temperature Pdh 13.7 kW Tj = operation limit temperature (***) Pdh 13.0 kW Tj = operation limit temperature (***) Bivalent temperature Tbiv 7 °C Reference design conditions for space heating Tdesignh -10 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption QHE Selection Qelec Below Rated air flow rate, outdoors Rated air flow rate, outdoors	Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (***) Bivalent temperature Tbiv T7 COPd Tdesignh T1 COPd TDL TOL TOL TOL TOL TOL TOL TOL TOL TOL TO	Tj = +12 °C	Pdh	7.4	kW	Tj = +12 °C	COPd	6.31	-
Tj = operation limit temperature (***) Bivalent temperature Tbiv -7 °C Reference design conditions for space heating Power consumption in modes other than active mode Off mode Themostat-off mode Standby mode Crankcase heater mode Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Qelec Annual electricity consumption Pivi -7 °C Operation limit temperature (***) Ti = operation limit temperature (***) COPd 1.78 - Ti = operation limit temperature (***) COPd 1.78 - Ti = operation limit temperature (***) COPd 1.78 - Ti = operation limit temperature (***) COPd 1.78 - Ti = operation limit temperature (***) COPd 1.78 - COPation limit temperature (***) COPd 1.78 - COPation limit temperature (***) COPd 1.78 - COPation limit temperature (***) COPd 1.78 - COPt Heating water operating limit temperature WTOL 60 °C Heating 60 °C Heating water operating limit temperature WTOL 60 °C Hea	Degradation co-efficient (**)	Cdh	0.98	-				
Bivalent temperature Reference design conditions for space heating Total content temperature Total c	Tj = bivalent temperature	Pdh	13.7	kW	Tj = bivalent temperature	COPd	1.83	-
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Thermostat-off mode Standby mode Crankcase heater mode Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Annual electricity consumption Annual electricity consumption AEC Tdesignh -10 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency nwh - % Water heating energy efficiency NTOL 60 °C Water heating mater operating limit temperature WTOL 60 °C NTOL 60 °C WTOL 60 °C NTOL 60 °C 60 °C NTOL 60 °C 60 °C NTOL 60 °C 60	Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	1.78	-
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Thermostat-off mode Standby mode Crankcase heater mode Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Annual electricity consumption Annual electricity consumption AEC Tdesignh -10 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency nwh - % Water heating energy efficiency NTOL 60 °C Water heating mater operating limit temperature WTOL 60 °C NTOL 60 °C WTOL 60 °C NTOL 60 °C 60 °C NTOL 60 °C 60 °C NTOL 60 °C 60								
Heating water operating limit temperature WIOL 60 C	Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Power consumption in modes other than active mode Off mode Off mode Poff Output Rated heat output (*) Psup Psup 2.5 kW Psup Psup 2.5 kW Thermostat-off mode Poff Output Standby mode Poff Output Poff Output Poff Output Poff Output Psup Output Psup Output Psup Output Electrical Electrical Poff Output Psup Output Psup Output Psup Output		Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Thermostat-off mode		ive mode			Supplementary heater			
Standby mode Crankcase heater mode P _{SB} 0.022 kW Type of energy input Electrical Crankcase heater mode P _{CK} 0.000 kW Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Q _{HE} P _{SB} 0.022 kW RW Type of energy input Electrical Electrical Rated air flow rate, outdoors - 8400 m³/h Sound power level, indoors/outdoors Annual energy consumption Q _{HE} P _{SB} 0.022 kW RW Water heating energy efficiency NWh - % Annual electricity consumption Qelec - kWh Annual electricity consumption AEC - kWh Contact details	Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.5	kW
Crankcase heater mode	Thermostat-off mode	P_{TO}	0.022	kW				
Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Qelec Annual electricity consumption Qelec Annual electricity consumption Qelec Contact details Rated air flow rate, outdoors - 8400 m³/h Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency NWh - 9820 kWh Water heating energy efficiency NWh - % Notation and profile - kWh -	Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Qelec Annual electricity consumption AEC Declared load profile Contact details Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency - 9820 kWh Water heating energy efficiency NWh All Part Pump combination heater: Water heating energy efficiency NWh Contact details	Crankcase heater mode	P _{CK}	0.000	kW				
Sound power level, indoors/outdoors Annual energy consumption CHE Declared load profile Daily electricity consumption Annual electricity consumption AEC Validate Valida	Other items		!					
Annual energy consumption Q _{HE} 9820 kWh For heat pump combination heater: Declared load profile Daily electricity consumption Qelec Annual electricity consumption AEC Contact details	Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
For heat pump combination heater: Declared load profile Daily electricity consumption Annual electricity consumption AEC Water heating energy efficiency NWh Water heating energy efficiency NWh Contact details	Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Declared load profile Daily electricity consumption Annual electricity consumption AEC Water heating energy efficiency NWh Water heating energy efficiency NWh Contact details	Annual energy consumption	Q_{HE}	9820	kWh				
Daily electricity consumption Annual electricity consumption AEC - kWh Contact details	For heat pump combination heater:							
Annual electricity consumption AEC - kWh Contact details	Declared load profile				Water heating energy efficiency	ηwh	-	%
Contact details	Daily electricity consumption	Qelec	-	kWh			_	
	Annual electricity consumption	AEC	-	kWh				

The identification and signature of the person empowered to bind the supplier:

Atsushi EDAYOSHI

Manager, Quality Assuarance Department

UNITED KINGDOM

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

· Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	t:	PUHZ-SW200YKA(-BS)				
		Indoor unit:		EHSE-***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	17.3	kW	Seasonal space heating energy efficiency	ηs	163	%	
Declared capacity for heating for part load a	at indoor	•	•	Declared coefficient of performance or primary e	nergy ratio fo	or		
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	emperature Tj		
Tj = - 7 °C	Pdh	15.3	kW	Tj = - 7 °C	COPd	2.53	-	
Degradation co-efficient (**)	Cdh	1.00] -					
Tj = + 2 °C	Pdh	9.3	kW	Tj = + 2 °C	COPd	4.20	-	
Degradation co-efficient (**)	Cdh	0.99	1 -				ı	
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	5.22	-	
Degradation co-efficient (**)	Cdh	0.98	-				ı	
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.08	_	
Degradation co-efficient (**)	Cdh	0.98] -				ı	
Tj = bivalent temperature	Pdh	15.3	kW	Tj = bivalent temperature	COPd	2.53	_	
Tj = operation limit temperature (***)	Pdh	14.2	kW	Tj = operation limit temperature (***)	COPd	2.30	-	
			1				l	
Bivalent temperature	Tbiv	-7	°c	Operation limit temperature	TOL	-20	°C	
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than act	tive mode			Supplementary heater				
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.1	kW	
Thermostat-off mode	P_{TO}	0.022	kW					
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical		
Crankcase heater mode	P_{CK}	0.000	kW					
Other items								
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h	
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA					
Annual energy consumption	Q_{HE}	8638	kWh					
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	ηwh	-	%	
Daily electricity consumption	Qelec	-	kWh				•	
Annual electricity consumption	AEC	-	kWh					
Contact details		•	•					
MITSUBISHI ELECTRIC AIR CODITIC	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.	
The identification and signature of the perso	n empowere	d to bind the	e supplier;					

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-***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	11.1	kW	Seasonal space heating energy efficiency	ηѕ	109	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Τј			part load at indoor temperature 20 °C and outdoo	or temperatur	re Tj	
Tj = - 7 °C	Pdh	6.7	kW	Tj = - 7 °C	COPd	2.18	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.1	kW	Tj = + 7 °C	COPd	4.48	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	7.5	kW	Tj = +12 °C	COPd	6.33	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	10.5	kW	Tj = bivalent temperature	COPd	1.52	-
Tj = operation limit temperature (***)	Pdh	10.5	kW	Tj = operation limit temperature (***)	COPd	1.52	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	11.1	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L_WA	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9809	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details					_		
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	and, U.K.

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-***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	13.7	kW	Seasonal space heating energy efficiency	ηѕ	142	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj		_	part load at indoor temperature 20 °C and outdoo	or temperatur	e Tj	_
Tj = - 7 °C	Pdh	8.3	kW	Tj = - 7 °C	COPd	2.94	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.44	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.06	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	13.0	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	2.00	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	13.7	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9329	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Liv	vingston, EH	54 5EQ, Scot	and, U.K.
The identification and signature of the person	n empowere	a to bind the	e supplier;				

Atsushi EDAYOSHI

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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	i:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-***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	15.5	kW	Seasonal space heating energy efficiency	ηѕ	147	%
Declared capacity for heating for part load a	at indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	!
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-] -				•
Tj = + 2 °C	Pdh	15.5	kW	Tj = + 2 °C	COPd	1.80	-
Degradation co-efficient (**)	Cdh	1.00	-				•
Tj = + 7 °C	Pdh	10.0	kW	Tj = + 7 °C	COPd	3.05	-
Degradation co-efficient (**)	Cdh	0.99	-				_
Tj = +12 °C	Pdh	7.2	kW	Tj = +12 °C	COPd	5.37	-
Degradation co-efficient (**)	Cdh	0.98] -				•
Tj = bivalent temperature	Pdh	15.5	kW	Tj = bivalent temperature	COPd	1.80	-
Tj = operation limit temperature (***)	Pdh	15.5	kW	Tj = operation limit temperature (***)	COPd	1.80	-
			_				_
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L_WA	45 / 78	dBA				
Annual energy consumption	Q_{HE}	5535	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	/ingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the personal control of the personal contr	n empowere	ע נט טוווט נחנ	e supplier;	Atsushi EDAYOSHI			
The signature is signed in the grown as allo		to t-		Manager Quality Assuarance Department			

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[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-***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	17.3	kW	Seasonal space heating energy efficiency	ηѕ	209	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј		1	part load at indoor temperature 20 °C and outdoor	or temperatur	e Tj	Ī
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				ī
Tj = + 2 °C	Pdh	17.3	kW	Tj = + 2 °C	COPd	3.01	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	11.1	kW	Tj = + 7 °C	COPd	4.80	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	7.6	kW	Tj = +12 °C	COPd	6.69	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	17.3	kW	Tj = bivalent temperature	COPd	3.01	-
Tj = operation limit temperature (***)	Pdh	17.3	kW	Tj = operation limit temperature (***)	COPd	3.01	-
Bivalent temperature	Tbiv	2	l ∘c	Operation limit temperature	TOL	-20	°c
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW			!	
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		!					
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	4368	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				•
Annual electricity consumption	AEC	-	kWh				
Contact details MITSUBISHI ELECTRIC AIR CODITIO	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scotl	land, U.K.
The identification and signature of the person				3000, 2	3,	,	-,
·				Atsushi EDAYOSHI			

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

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

Model(s).		Outdoor unit	ι.	PUHZ-5WZUUTKA(-BS)			
		Indoor unit:		EHSE-MED			
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	15.5	kW	Seasonal space heating energy efficiency	ηѕ	127	%
Declared capacity for heating for part load	at indoor	'		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	13.7	kW	Tj = - 7 °C	COPd	1.83	-
Degradation co-efficient (**)	Cdh	1.00	-				ı
Tj = + 2 °C	Pdh	8.3	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.99	-				ı
Tj = + 7 °C	Pdh	5.9	kW	Tj = + 7 °C	COPd	4.27	-
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = +12 °C	Pdh	7.4	kW	Tj = +12 °C	COPd	6.31	_
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = bivalent temperature	Pdh	13.7	kW	Tj = bivalent temperature	COPd	1.83	_
Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	1.78	-
			_				ı
Bivalent temperature	Tbiv	-7] ℃	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.5	kW
Thermostat-off mode	P_{TO}	0.022	kW			!	
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		•	•				
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				•
Annual energy consumption	Q_{HE}	9820	kWh				
For heat pump combination heater:		•	•	-			
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				•
Annual electricity consumption	AEC	-	kWh				
Contact details				-			
MITSUBISHI ELECTRIC AIR CODITIO	ONING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Liv	vingston, EH	54 5EQ, Scot	land, U.K.

The identification and signature of the person empowered to bind the supplier:

5/

Atsushi EDAYOSHI Manager, Quality Assuarance Department

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

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

Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-MED			
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	17.3	kW	Seasonal space heating energy efficiency	ηs	163	%
Declared capacity for heating for part load a	t indoor	'		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	15.3	kW	Tj = - 7 °C	COPd	2.53	-
Degradation co-efficient (**)	Cdh	1.00	-				l
Tj = + 2 °C	Pdh	9.3	kW	Tj = + 2 °C	COPd	4.20	-
Degradation co-efficient (**)	Cdh	0.99	-				ı
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	5.22	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.08	-
Degradation co-efficient (**)	Cdh	0.98	-				l
Tj = bivalent temperature	Pdh	15.3	kW	Tj = bivalent temperature	COPd	2.53	-
Tj = operation limit temperature (***)	Pdh	14.2	kW	Tj = operation limit temperature (***)	COPd	2.30	-
			,				l
Bivalent temperature	Tbiv	-7] ℃	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ve mode	•	•	Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.1	kW
Thermostat-off mode	P_TO	0.022	kW			•	
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L_WA	45 / 78	dBA				
Annual energy consumption	Q_{HE}	8638	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details					_		_
MITSUBISHI ELECTRIC AIR CODITION				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the persor	1 empowere	a to bind the	e supplier;				

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-MED			
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	11.1	kW	Seasonal space heating energy efficiency	ηѕ	109	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Τј			part load at indoor temperature 20 °C and outdoo	or temperatur	re Tj	
Tj = - 7 °C	Pdh	6.7	kW	Tj = - 7 °C	COPd	2.18	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.40	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 7 °C	Pdh	6.1	kW	Tj = + 7 °C	COPd	4.48	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = +12 °C	Pdh	7.5	kW	Tj = +12 °C	COPd	6.33	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = bivalent temperature	Pdh	10.5	kW	Tj = bivalent temperature	COPd	1.52	-
Tj = operation limit temperature (***)	Pdh	10.5	kW	Tj = operation limit temperature (***)	COPd	1.52	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	11.1	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L_WA	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9809	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Liv	/ingston, EH	54 5EQ, Scot	land, U.K.

Atsushi EDAYOSHI

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-MED			
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	13.7	kW	Seasonal space heating energy efficiency	ηѕ	142	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoor	or temperatu	re Tj	
Tj = - 7 °C	Pdh	8.3	kW	Tj = - 7 °C	COPd	2.94	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.35	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.44	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.06	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	13.0	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	2.00	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	13.7	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9329	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH:	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	a to bind the	e supplier;				

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-MED			
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	15.5	kW	Seasonal space heating energy efficiency	ηs	147	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj		_	part load at indoor temperature 20 °C and outdo	or temperatur	re Tj	_
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	15.5	kW	Tj = + 2 °C	COPd	1.80	-
Degradation co-efficient (**)	Cdh	1.00	-				'
Tj = + 7 °C	Pdh	10.0	kW	Tj = + 7 °C	COPd	3.05	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	7.2	kW	Tj = +12 °C	COPd	5.37	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	15.5	kW	Tj = bivalent temperature	COPd	1.80	-
Tj = operation limit temperature (***)	Pdh	15.5	kW	Tj = operation limit temperature (***)	COPd	1.80	-
Bivalent temperature	Tbiv	2] °c	Operation limit temperature	TOL	-20	°c
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	ive mode			Supplementary heater		!	
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items		!					
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				I
Annual energy consumption	Q_{HE}	5535	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh	1			I
Annual electricity consumption	AEC	-	kWh				
Contact details			1	 			
MITSUBISHI ELECTRIC AIR CODITIO	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the perso	n empowere	d to bind the	e supplier;	Atsushi EDAYOSHI			

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

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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	i:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		EHSE-MED			
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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	17.3	kW	Seasonal space heating energy efficiency	ηѕ	209	%
Declared capacity for heating for part load	at indoor	1		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				ı
Tj = + 2 °C	Pdh	17.3	kW	Tj = + 2 °C	COPd	3.01	-
Degradation co-efficient (**)	Cdh	1.00	1 -				ı
Tj = + 7 °C	Pdh	11.1	kW	Tj = + 7 °C	COPd	4.80	-
Degradation co-efficient (**)	Cdh	0.99] -				ı
Tj = +12 °C	Pdh	7.6	kW	Tj = +12 °C	COPd	6.69	-
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = bivalent temperature	Pdh	17.3	kW	Tj = bivalent temperature	COPd	3.01	-
Tj = operation limit temperature (***)	Pdh	17.3	kW	Tj = operation limit temperature (***)	COPd	3.01	-
			•				•
Bivalent temperature	Tbiv	2	°c	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode	•	•	Supplementary heater		•	
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW			•	
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items	_					_	
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	4368	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	on empowere	a to bind th	e supplier;	Atsushi EDAYOSHI			
The signature is signed in the average clir	mate / mediu	m-temperati	ure section.	Manager, Quality Assuarance Department			

he signature is signed in the average climate / medium-temperature section.

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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		PUHZ-5WZUUTKA(-B5)			
		Indoor unit:		ERSE-***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	15.5	kW	Seasonal space heating energy efficiency	ηѕ	129	%
Declared capacity for heating for part load a	at indoor	•		Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	13.7	kW	Tj = - 7 °C	COPd	1.83	-
Degradation co-efficient (**)	Cdh	1.00	-				•
Tj = + 2 °C	Pdh	8.3	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.99	-				1
Tj = + 7 °C	Pdh	5.9	kW	Tj = + 7 °C	COPd	4.27	-
Degradation co-efficient (**)	Cdh	0.98	-				1
Tj = +12 °C	Pdh	7.4	kW	Tj = +12 °C	COPd	6.31	-
Degradation co-efficient (**)	Cdh	0.98	-				1
Tj = bivalent temperature	Pdh	13.7	kW	Tj = bivalent temperature	COPd	1.83	-
Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	1.78	-
							1
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Supplementary heater		•	
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.5	kW
Thermostat-off mode	P_{TO}	0.022	kW			•	
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		•					
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				•
Annual energy consumption	Q_{HE}	9740	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh			-	•
Annual electricity consumption	AEC	-	kWh				
Contact details				-			
MITSURISHI ELECTRIC AIR CONITIC	NIINO OVOTE	M ELIDODE	LTD	Nottlohill Boad, Houston Industrial Estato, Lin	vingeton EU	E4 EEO Soot	land IIV

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD.

The identification and signature of the person empowered to bind the supplier:

Atsushi EDAYOSHI

Manager, Quality Assuarance Department

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	t:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-***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	17.3	kW	Seasonal space heating energy efficiency	ηѕ	164	%
Declared capacity for heating for part load a	at indoor	•	•	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	15.3	kW	Tj = - 7 °C	COPd	2.53	-
Degradation co-efficient (**)	Cdh	1.00	-				•
Tj = + 2 °C	Pdh	9.3	kW	Tj = + 2 °C	COPd	4.20	_
Degradation co-efficient (**)	Cdh	0.99	1 -				•
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	5.22	-
Degradation co-efficient (**)	Cdh	0.98] -				1
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.08	_
Degradation co-efficient (**)	Cdh	0.98] -				ı
Tj = bivalent temperature	Pdh	15.3	kW	Tj = bivalent temperature	COPd	2.53	_
Tj = operation limit temperature (***)	Pdh	14.2	kW	Tj = operation limit temperature (***)	COPd	2.30	-
			1				J
Bivalent temperature	Tbiv	-7] °c	Operation limit temperature	TOL	-20	°c
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	tive mode	!	!	Supplementary heater		!	
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.1	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	8558	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				ı
Annual electricity consumption	AEC	-	kWh				
Contact details		I.	I.	1 1			
MITSUBISHI ELECTRIC AIR CODITIO	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	d to bind the	e supplier;				

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-***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	11.1	kW	Seasonal space heating energy efficiency	ηѕ	110	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj		_	part load at indoor temperature 20 °C and outdoo	or temperatur	re Tj	
Tj = - 7 °C	Pdh	6.7	kW	Tj = - 7 °C	COPd	2.18	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.46	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 7 °C	Pdh	6.1	kW	Tj = + 7 °C	COPd	4.48	-
Degradation co-efficient (**)	Cdh	0.98	-				_
Tj = +12 °C	Pdh	7.5	kW	Tj = +12 °C	COPd	6.33	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = bivalent temperature	Pdh	10.5	kW	Tj = bivalent temperature	COPd	1.52	-
Tj = operation limit temperature (***)	Pdh	10.5	kW	Tj = operation limit temperature (***)	COPd	1.52	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	11.1	kW
Thermostat-off mode	P_TO	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9690	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Liv	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	a to bind the	e supplier;				

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-***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	13.7	kW	Seasonal space heating energy efficiency	ηѕ	143	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	8.3	kW	Tj = - 7 °C	COPd	2.94	-
Degradation co-efficient (**)	Cdh	0.99	-				1
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.44	-
Degradation co-efficient (**)	Cdh	0.98	-				ı
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.06	-
Degradation co-efficient (**)	Cdh	0.98	-				I
Tj = bivalent temperature	Pdh	13.0	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	2.00	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°c	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	13.7	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9237	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	u to bind the	e supplier;				

Atsushi EDAYOSHI

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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	i:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-***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	15.5	kW	Seasonal space heating energy efficiency	ηs	148	%
Declared capacity for heating for part load	at indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	1
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-] -
Degradation co-efficient (**)	Cdh	-] -				1
Tj = + 2 °C	Pdh	15.5	kW	Tj = + 2 °C	COPd	1.80	-
Degradation co-efficient (**)	Cdh	1.00] -				•
Tj = + 7 °C	Pdh	10.0	kW	Tj = + 7 °C	COPd	3.00	-
Degradation co-efficient (**)	Cdh	0.99] -				1
Tj = +12 °C	Pdh	7.2	kW	Tj = +12 °C	COPd	5.37] -
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = bivalent temperature	Pdh	15.5	kW	Tj = bivalent temperature	COPd	1.80	-
Tj = operation limit temperature (***)	Pdh	15.5	kW	Tj = operation limit temperature (***)	COPd	1.80	-
			•				•
Bivalent temperature	Tbiv	2] °c	Operation limit temperature	TOL	-20	°c
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode	•	•	Supplementary heater		•	•
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items						_	
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L_WA	45 / 78	dBA				
Annual energy consumption	Q_{HE}	5480	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details					–		
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	u to bind the	e supplier;	Atsushi EDAYOSHI			
The signature is signed in the suggested by	سنام معمل معمد			Manager Quality Assuarance Department			

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

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

Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-***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	17.3	kW	Seasonal space heating energy efficiency	ηѕ	211	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тј		_	part load at indoor temperature 20 °C and outdo	or temperatur	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	17.3	kW	Tj = + 2 °C	COPd	3.01	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	11.1	kW	Tj = + 7 °C	COPd	4.70	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	7.6	kW	Tj = +12 °C	COPd	6.69	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	17.3	kW	Tj = bivalent temperature	COPd	3.01	-
Tj = operation limit temperature (***)	Pdh	17.3	kW	Tj = operation limit temperature (***)	COPd	3.01	-
			•				•
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L_WA	45 / 78	dBA				
Annual energy consumption	Q_{HE}	4312	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	a to bind the	e supplier;	Atsushi EDAYOSHI			

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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.

Mark-devider head pump:	Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
Mate-to-water heat pump: no no			Indoor unit:		ERSE-MED			
Prime-to-water heat pump:	Air-to-water heat pump:				yes			
Convenementation host pump: no	Water-to-water heat pump:				no			
Figure Parameters Formation Parameters Parameters Parameters Formation Parameters Paramet	Brine-to-water heat pump:				no			
Parameters for	Low-temperature heat pump:				no			
Parameters for	Equipped with a supplementary heater:				no			
Parameters for average climate conditions.	Heat pump combination heater:				no			
Rated heat output (*)	Parameters for				medium-temperature application.			
Rated heat output (*)	Parameters for				average climate conditions.			
Protect 15.5 No.	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity for heating for part load at indoor temperature 7) "C and outdoor temperature 7) "T j= +2 "C	Rated heat output (*)	Prated	15.5	kW		ηѕ	129	%
T j = -7 °C	Declared capacity for heating for part load a	t indoor		l		nergy ratio fo	or	
Degradation co-efficient (**)	temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = + 2 °C	Tj = - 7 °C	Pdh	13.7	kW	Tj = - 7 °C	COPd	1.83	-
Degradation co-efficient (**)	Degradation co-efficient (**)	Cdh	1.00	-			-	
Tj = + 7 °C	Tj = + 2 °C	Pdh	8.3	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**) Tj = +12 °C Pdh 7.4 kW Degradation co-efficient (**) Cdh 0.98 - Tj = bivalent temperature Pdh 13.7 kW Tj = peration limit temperature Pdh 13.0 kW Tj = peration limit temperature Pdh 13.0 kW Tj = operation limit temperature Pdh 13.0 kW Tj = operation limit temperature Pdh 13.0 kW Tj = operation limit temperature ToL 20 °C Power consumption in modes other than active mode Off mode Porf Thermostat-off mode Porf Crankcase heater mode Porf Capacity control Sound power level, indoors/outdoors LwA Annual energy consumption Poelared load profile Daily electricity consumption AEC Annual electricity consumption AEC Codd 1.83 - Tj = ty 2 °C Coperation limit temperature ToL 20 °C Coperation limit temperature ToL 2-20 °C Coperation limit temperature ToL 2-20 °C Coperation limit temperature ToL 2-20 °C Author For Heat pure with temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency Nwh - % Contact details	Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C COPd 6.31 - Degradation co-efficient (**) Cdh 0.98 - Tj = bivalent temperature Pdh 13.7 kW Tj = operation limit temperature (***) Pdh 13.0 kW Tj = operation limit temperature (***) Pdh 13.0 kW Tj = operation limit temperature (***) COPd 1.83 - Bivalent temperature (***) Pdh 13.0 kW Tj = operation limit temperature (***) COPd 1.78 - Bivalent temperature (***) Pdh 13.0 kW Tj = operation limit temperature (***) COPd 1.78 - Bivalent temperature Tbiv -7 °C Operation limit temperature (***) COPd 1.78 - Bivalent temperature Tbiv -7 °C Operation limit temperature (***) COPd 1.78 - Bivalent temperature ToL -20 °C Operation limit temperature ToL -20 °C Operation limit temperature OPC OPC Operation limit temperature OPC	Tj = + 7 °C	Pdh	5.9	kW	Tj = + 7 °C	COPd	4.27	-
Degradation co-efficient (**) Tj = bivalent temperature Pdh 13.7 kW Tj = operation limit temperature (***) Pdh 13.0 kW Tj = operation limit temperature (***) Bivalent temperature Tbiv 7 °C Reference design conditions for space heating Tdesignh -10 °C Reference design conditions for space heating Off mode Poer Consumption in modes other than active mode Off mode Themostal-off mode Poer Douz kW Standby mode Crankcase heater mode Chack be active mode Poer Douz kW Themostal-off mode Poer Douz kW Themostal-off mode Poer Douz kW Themostal-off mode Poer Douz kW Type of energy input Electrical Rated air flow rate, outdoors - 8400 m³/h For heat pump combination heater: Declared load profile Daily electricity consumption AEC - kWh Annual electricity consumption AEC - kWh Annual electricity consumption AEC - kWh Contact details	Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (***) Pdh Tj = operation limit temperature (***) Bivalent temperature Tbiv T7 COPd Tdesignh T1 COPd TDL TOL TOL TOL TOL TOL TOL TOL TOL TOL TO	Tj = +12 °C	Pdh	7.4	kW	Tj = +12 °C	COPd	6.31	-
Tj = operation limit temperature (***) Bivalent temperature Tbiv -7 °C Reference design conditions for space heating Power consumption in modes other than active mode Off mode Themostat-off mode Standby mode Crankcase heater mode Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Power design conditions for space Tdesignh -10 °C Heating water operating limit temperature TOL -20 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency Twh - % Water heating energy efficiency Type of energy only in - % Water heating energy efficiency Themostation limit temperature (***) COPd 1.78 - COPT Heating water operating limit temperature WTOL 60 °C Heating For least operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating	Degradation co-efficient (**)	Cdh	0.98	-				
Bivalent temperature Reference design conditions for space heating Total content temperature Total c	Tj = bivalent temperature	Pdh	13.7	kW	Tj = bivalent temperature	COPd	1.83	-
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Thermostat-off mode Standby mode Crankcase heater mode Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Annual electricity consumption Annual electricity consumption AEC Tdesignh -10 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Electrical Fated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency ¬wh - % Contact details	Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	1.78	-
Reference design conditions for space heating Power consumption in modes other than active mode Off mode Poff Thermostat-off mode Standby mode Crankcase heater mode Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Annual electricity consumption Annual electricity consumption AEC Tdesignh -10 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Heating water operating limit temperature WTOL 60 °C Supplementary heater Rated heat output (*) Psup 2.5 kW Type of energy input Electrical Electrical Fated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency ¬wh - % Contact details								
Heating water operating limit temperature WIOL 60 C	Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C
Power consumption in modes other than active mode Off mode Off mode Poff Output Rated heat output (*) Psup Psup 2.5 kW Psup Psup 2.5 kW Thermostat-off mode Poff Output Standby mode Poff Output Poff Output Poff Output Poff Output Psup Output Psup Output Psup Output Electrical Electrical Poff Output Psup Output Psup Output Psup Output	-	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Thermostat-off mode		ive mode			Supplementary heater			
Standby mode Crankcase heater mode P _{SB} 0.022 kW Type of energy input Electrical Crankcase heater mode P _{CK} 0.000 kW Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Q _{HE} 9740 kWh For heat pump combination heater: Declared load profile Daily electricity consumption Qelec Annual electricity consumption Qelec Annual electricity consumption AEC Contact details	Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	2.5	kW
Crankcase heater mode	Thermostat-off mode	P_{TO}	0.022	kW				
Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Qelec Annual electricity consumption Qelec Annual electricity consumption Qelec Contact details Rated air flow rate, outdoors - 8400 m³/h Rated air flow rate, outdoors - 8400 m³/h Water heating energy efficiency nwh - % Contact details	Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Capacity control Sound power level, indoors/outdoors Annual energy consumption Declared load profile Daily electricity consumption Qelec Annual electricity consumption AEC Declared load profile Contact details Rated air flow rate, outdoors - 8400 m³/h Wh Wh Wh Wh Wh Wh Water heating energy efficiency NWh Contact details	Crankcase heater mode	P _{CK}	0.000	kW				
Sound power level, indoors/outdoors Annual energy consumption CHE Declared load profile Daily electricity consumption Annual electricity consumption AEC Validate Valida	Other items		!					
Annual energy consumption Q _{HE} 9740 kWh For heat pump combination heater: Declared load profile Daily electricity consumption Qelec Annual electricity consumption AEC Contact details	Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
For heat pump combination heater: Declared load profile Daily electricity consumption Annual electricity consumption AEC Water heating energy efficiency NWh Water heating energy efficiency NWh Contact details	Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Declared load profile Daily electricity consumption Annual electricity consumption AEC Water heating energy efficiency NWh Water heating energy efficiency NWh Contact details	Annual energy consumption	Q_{HE}	9740	kWh				
Daily electricity consumption Annual electricity consumption AEC - kWh Contact details	For heat pump combination heater:							
Annual electricity consumption AEC - kWh Contact details	Declared load profile				Water heating energy efficiency	ηwh	-	%
Contact details	Daily electricity consumption	Qelec		kWh				
	Annual electricity consumption	AEC	-	kWh				

The identification and signature of the person empowered to bind the supplier:

Atsushi EDAYOSHI

Manager, Quality Assuarance Department

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	t:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-MED			
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	17.3	kW	Seasonal space heating energy efficiency	ηs	164	%
Declared capacity for heating for part load a	at indoor	•	•	Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	15.3	kW	Tj = - 7 °C	COPd	2.53	-
Degradation co-efficient (**)	Cdh	1.00] -				
Tj = + 2 °C	Pdh	9.3	kW	Tj = + 2 °C	COPd	4.20	-
Degradation co-efficient (**)	Cdh	0.99] -				ı
Tj = + 7 °C	Pdh	6.3	kW	Tj = + 7 °C	COPd	5.22	-
Degradation co-efficient (**)	Cdh	0.98] -				ı
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.08	_
Degradation co-efficient (**)	Cdh	0.98] -				ı
Tj = bivalent temperature	Pdh	15.3	kW	Tj = bivalent temperature	COPd	2.53	_
Tj = operation limit temperature (***)	Pdh	14.2	kW	Tj = operation limit temperature (***)	COPd	2.30	-
			1				l
Bivalent temperature	Tbiv	-7] °c	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-10	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than act	tive mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	3.1	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items			!				
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	8558	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				·
Annual electricity consumption	AEC	-	kWh				
Contact details				1			
MITSUBISHI ELECTRIC AIR CODITIO	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the perso	n empowere	d to bind the	e supplier;				

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-MED			
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	11.1	kW	Seasonal space heating energy efficiency	ηs	110	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	6.7	kW	Tj = - 7 °C	COPd	2.18	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.46	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 7 °C	Pdh	6.1	kW	Tj = + 7 °C	COPd	4.48	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = +12 °C	Pdh	7.5	kW	Tj = +12 °C	COPd	6.33	-
Degradation co-efficient (**)	Cdh	0.98	-				•
Tj = bivalent temperature	Pdh	10.5	kW	Tj = bivalent temperature	COPd	1.52	-
Tj = operation limit temperature (***)	Pdh	10.5	kW	Tj = operation limit temperature (***)	COPd	1.52	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P _{OFF}	0.022	kW	Rated heat output (*)	Psup	11.1	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9690	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details					_		
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	u to bind the	- Supplier				

The identification and signature of the person empowered to bind the supplier;

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-MED			
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	13.7	kW	Seasonal space heating energy efficiency	ηѕ	143	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	e Tj	
Tj = - 7 °C	Pdh	8.3	kW	Tj = - 7 °C	COPd	2.94	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	5.4	kW	Tj = + 2 °C	COPd	4.40	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	6.4	kW	Tj = + 7 °C	COPd	5.44	-
Degradation co-efficient (**)	Cdh	0.98	-				I
Tj = +12 °C	Pdh	7.7	kW	Tj = +12 °C	COPd	7.06	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	13.0	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operation limit temperature (***)	Pdh	13.0	kW	Tj = operation limit temperature (***)	COPd	2.00	-
Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW	Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Bivalent temperature	Tbiv	-20	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	-22	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	13.7	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	9237	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Liv	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	a to bind the	e supplier;				

Atsushi EDAYOSHI

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

UNITED KINGDOM

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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

Model(s):		Outdoor unit	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-MED			
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	15.5	kW	Seasonal space heating energy efficiency	ηѕ	148	%
Declared capacity for heating for part load	at indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				•
Tj = + 2 °C	Pdh	15.5	kW	Tj = + 2 °C	COPd	1.80	-
Degradation co-efficient (**)	Cdh	1.00	-				,
Tj = + 7 °C	Pdh	10.0	kW	Tj = + 7 °C	COPd	3.00	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = +12 °C	Pdh	7.2	kW	Tj = +12 °C	COPd	5.37	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	15.5	kW	Tj = bivalent temperature	COPd	1.80	-
Tj = operation limit temperature (***)	Pdh	15.5	kW	Tj = operation limit temperature (***)	COPd	1.80	-
			-				
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac-	tive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_SB	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m ³ /h
Sound power level, indoors/outdoors	L_{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	5480	kWh				
For heat pump combination heater:						_	
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details	NING OF THE	-,, =, -==	1.TD	N	=::	54.5E0 3	
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	ni empowere	u to bind the	e supplier;	Atsushi EDAYOSHI			
The signature is signed in the average clir	nate / mediu	m_temperati	ıre section	Manager, Quality Assuarance Department			

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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	:	PUHZ-SW200YKA(-BS)			
		Indoor unit:		ERSE-MED			
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	ltem	Symbol	Value	Unit
Rated heat output (*)	Prated	17.3	kW	Seasonal space heating energy efficiency	ηѕ	211	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	
temperature 20 °C and outdoor temperature	Тj		1	part load at indoor temperature 20 °C and outdoo	or temperatui	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				
Tj = + 2 °C	Pdh	17.3	kW	Tj = + 2 °C	COPd	3.01	-
Degradation co-efficient (**)	Cdh	1.00	-				
Tj = + 7 °C	Pdh	11.1	kW	Tj = + 7 °C	COPd	4.70	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = +12 °C	Pdh	7.6	kW	Tj = +12 °C	COPd	6.69	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = bivalent temperature	Pdh	17.3	kW	Tj = bivalent temperature	COPd	3.01	-
Tj = operation limit temperature (***)	Pdh	17.3	kW	Tj = operation limit temperature (***)	COPd	3.01	-
Bivalent temperature	Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Reference design conditions for space heating	Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than acti	ive mode			Supplementary heater			
Off mode	P_{OFF}	0.022	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.022	kW				
Standby mode	P_{SB}	0.022	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	8400	m³/h
Sound power level, indoors/outdoors	L _{WA}	45 / 78	dBA				
Annual energy consumption	Q_{HE}	4312	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh				
Annual electricity consumption	AEC	-	kWh				
Contact details MITSUBISHI ELECTRIC AIR CODITIO	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the person	n empowere	d to bind the	e supplier;				
				Atsushi EDAYOSHI			

The signature is signed in the average climate / medium-temperature section. Manager, Quality Assuarance Department

[·] Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

[·] Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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