Model(s):		Outdoor unit	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-***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:				yes			
Parameters for				medium-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηѕ	129	%
Declared capacity for heating for part load a	t indoor	<u> </u>		Declared coefficient of performance or primary e	nergy ratio fo	r	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoo	or temperatur	e Tj	
Tj = - 7 °C	Pdh	4.1	kW	Tj = - 7 °C	COPd	2.02	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.5	kW	Tj = + 2 °C	COPd	3.20	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	4.64	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	2.3	kW	Tj = +12 °C	COPd	6.57	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.02	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	1.91	-
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 acti	ive mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.6	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				
Annual energy consumption	Q_{HE}	2888	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	128	%
Daily electricity consumption	Qelec	6.110	kWh			_	
Annual electricity consumption	AEC	1345	kWh				
Contact details MITSURISHLELECTRIC AIR CODITIO	NIINO OVOTE	EM EUDODE	LTD	Nettlehill Road, Houston Industrial Estate, Li	vingeter, EU	54 FEO 05-4	and LLK

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

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:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-***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:				yes			
Parameters for				low-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	180	%
Declared capacity for heating for part load a	t indoor		•	Declared coefficient of performance or primary e	nergy ratio fc	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj	
Tj = - 7 °C	Pdh	4.5	kW	Tj = - 7 °C	COPd	2.88	-
Degradation co-efficient (**)	Cdh	0.99	-				l
Tj = + 2 °C	Pdh	2.7	kW	Tj = + 2 °C	COPd	4.50	-
Degradation co-efficient (**)	Cdh	0.98	-				l
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	6.50	-
Degradation co-efficient (**)	Cdh	0.96	-				l
Tj = +12 °C	Pdh	2.6	kW	Tj = +12 °C	COPd	8.97	-
Degradation co-efficient (**)	Cdh	0.95	-				l
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.88	-
Tj = operation limit temperature (***)	Pdh	4.4	kW	Tj = operation limit temperature (***)	COPd	2.59	-
			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 acti	ve mode			Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.7	kW
Thermostat-off mode	P_{TO}	0.015	kW			l .	
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items			l l				
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	2301	kWh				
For heat pump combination heater:		•					
Declared load profile		XL		Water heating energy efficiency	ηwh	128	%
Daily electricity consumption	Qelec	6.110	kWh				!
Annual electricity consumption	AEC	1345	kWh				
Contact details		•	·				
MITSUBISHI ELECTRIC AIR CODITION	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Liv	/ingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the persor	n empowere	d to bind the	e supplier;	Atoughi FDAVOCIII			

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	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-***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:				yes			
Parameters for				medium-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	3.5	kW	Seasonal space heating energy efficiency	ηs	105	%
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	2.3	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	0.99	-				I
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	5.13	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.95	-				
Tj = bivalent temperature	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.25	-
Tj = operation limit temperature (***)	Pdh	3.3	kW	Tj = operation limit temperature (***)	COPd	1.25	-
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	ve mode	l	l	Supplementary heater			I
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	3.5	kW
Thermostat-off mode	P_{TO}	0.015	kW				l
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items		l	l .				
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				1
Annual energy consumption	Q_{HE}	3196	kWh				
For heat pump combination heater:		•					
Declared load profile		XL		Water heating energy efficiency	ηwh	107	%
Daily electricity consumption	Qelec	7.310	kWh				1
Annual electricity consumption	AEC	1609	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			

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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	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-***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:				yes			
Parameters for				low-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	ηs	141	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	r	
temperature 20 °C and outdoor temperature	Τј			part load at indoor temperature 20 °C and outdoor	or temperatur	е Тј	
Tj = - 7 °C	Pdh	2.6	kW	Tj = - 7 °C	COPd	3.00	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	2.0	kW	Tj = + 2 °C	COPd	4.08	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	6.06	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.32	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	2.32	-
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}	0.015	kW	Rated heat output (*)	Psup	4.3	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	2953	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	107	%
Daily electricity consumption	Qelec	7.310	kWh				
Annual electricity consumption	AEC	1609	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Liv	vingston, EH	54 5EQ, Scotl	and, U.K.
The identification and signature of the persor	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.

Model(s):		Outdoor unit	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-***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:				yes			
Parameters for				medium-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	155	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	1
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				•
Tj = + 2 °C	Pdh	4.6	kW	Tj = + 2 °C	COPd	1.85	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 7 °C	Pdh	3.0	kW	Tj = + 7 °C	COPd	3.51	-
Degradation co-efficient (**)	Cdh	0.98	-				<u>.</u>
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	5.59	-
Degradation co-efficient (**)	Cdh	0.96	-				_
Tj = bivalent temperature	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operation limit temperature (***)	Pdh	4.6	kW	Tj = operation limit temperature (***)	COPd	1.85	-
		1					-
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	ve mode			Supplementary heater			
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW		ı		
Standby mode	P_{SB}	0.015	kW	Type of energy input	ı	Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				
Annual energy consumption	Q_{HE}	1560	kWh				
For heat pump combination heater:						1	1
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				
Contact details	NINO OVO	M EUDODE	LTD	Namabili Davida da d	=::	E4 EEO O :	u
MITSUBISHI ELECTRIC AIR CODITION The identification and signature of the person				Nettlehill Road, Houston Industrial Estate, Liv	ringston, EH	54 5EQ, Scot	iana, U.K.
The identification and signature of the person	. empowere	a to billia the	ouppliel,	Atsushi EDAYOSHI			
The signature is signed in the average clim	ate / mediu	m-temperatı	ure section.	Manager, Quality Assuarance Department			

UNITED KINGDOM

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

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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

^(**) 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.

	Outdoor unit	:	SUZ-SWM40VA			
	Indoor unit:		EHST30D-***D			
			yes			
			no			
			no			
			no			
			yes			
			yes			
			low-temperature application.			
			warmer climate conditions.			
Symbol	Value	Unit	Item	Symbol	Value	Unit
Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	216	%
t indoor			Declared coefficient of performance or primary e	nergy ratio fo	r	
Гј		1	part load at indoor temperature 20 °C and outdo	or temperatur	e Tj	
Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Cdh	-	-				
Pdh	5.1	kW	Tj = + 2 °C	COPd	3.25	-
Cdh	0.99	-				
Pdh	3.3	kW	Tj = + 7 °C	COPd	5.28	-
Cdh	0.98	-				
Pdh	1.9	kW	Tj = +12 °C	COPd	7.04	-
Cdh	0.94	-				
Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.25	-
Pdh	5.1	kW	Tj = operation limit temperature (***)	COPd	3.25	-
		.				
Tbiv	2	°C	Operation limit temperature	TOL	-20	°C
Tdesignh	2	°C	Heating water operating limit temperature	WTOL	60	°C
ve mode		1	Supplementary heater			
P_{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
P_{TO}	0.015	kW				
P_SB	0.015	kW	Type of energy input		Electrical	
P _{CK}	0.000	kW				
	variable		Rated air flow rate, outdoors	-	2070	m ³ /h
L_WA	41 / 58	dBA				
Q_{HE}	1247	kWh				
	XL		Water heating energy efficiency	ηwh	149	%
Qelec	5.270	kWh				
AEC	1159	kWh				
			Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scot	land, U.K.
·			Atsushi EDAYOSHI			
	Prated t indoor f j Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Cdh Pdh Tbiv Tdesignh ve mode Poff Pro PsB PcK LwA QHE Qelec AEC	Symbol Value	Indoor unit:	Indoor unit:	Indoor unit	Indoor unit: EHST30D-***D yes

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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	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-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:				yes			
Parameters for				medium-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	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 outdoor	or temperatur	re Tj	
Tj = - 7 °C	Pdh	4.1	kW	Tj = - 7 °C	COPd	2.02	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.5	kW	Tj = + 2 °C	COPd	3.20	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	4.64	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = +12 °C	Pdh	2.3	kW	Tj = +12 °C	COPd	6.57	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.02	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	1.91	-
			•				
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}	0.015	kW	Rated heat output (*)	Psup	0.6	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				
Annual energy consumption	Q_{HE}	2888	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	128	%
Daily electricity consumption	Qelec	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				
Contact details							
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MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD.

Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

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

Atsushi EDAYOSHI

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	t:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-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:				yes			
Parameters for				low-temperature application.			
Parameters for				average climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	180	%
Declared capacity for heating for part load a	t indoor		•	Declared coefficient of performance or primary e	nergy ratio fc	or	
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj	
Tj = - 7 °C	Pdh	4.5	kW	Tj = - 7 °C	COPd	2.88	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	2.7	kW	Tj = + 2 °C	COPd	4.50	-
Degradation co-efficient (**)	Cdh	0.98	-				l
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	6.50	-
Degradation co-efficient (**)	Cdh	0.96	-				l
Tj = +12 °C	Pdh	2.6	kW	Tj = +12 °C	COPd	8.97	-
Degradation co-efficient (**)	Cdh	0.95	-				!
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.88	-
Tj = operation limit temperature (***)	Pdh	4.4	kW	Tj = operation limit temperature (***)	COPd	2.59	-
			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 acti	ve mode	•	•	Supplementary heater			
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.7	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				
Annual energy consumption	Q_{HE}	2301	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	128	%
Daily electricity consumption	Qelec	6.110	kWh				
Annual electricity consumption	AEC	1345	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITION				Nettlehill Road, Houston Industrial Estate, Liv	/ingston, EH	54 5EQ, Scot	land, U.K.
The identification and signature of the persor	n empowere	d to bind the	e supplier;	Atomaki FDAVOCIII			

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.

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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		SUZ-SWM40VA			
		Indoor unit:		EHST30D-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:				yes			
Parameters for				medium-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	3.5	kW	Seasonal space heating energy efficiency	ηѕ	105	%
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 outdoor	or temperatur	те Тј	_
Tj = - 7 °C	Pdh	2.3	kW	Tj = - 7 °C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	0.99	-				
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.28	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	5.13	-
Degradation co-efficient (**)	Cdh	0.96	-				•
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	6.55	-
Degradation co-efficient (**)	Cdh	0.95	-				•
Tj = bivalent temperature	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.25	-
Tj = operation limit temperature (***)	Pdh	3.3	kW	Tj = operation limit temperature (***)	COPd	1.25	-
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	ve mode			Supplementary heater			
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	3.5	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				•
Annual energy consumption	Q_{HE}	3196	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	107	%
Daily electricity consumption	Qelec	7.310	kWh				-
Annual electricity consumption	AEC	1609	kWh				
Contact details MITSUBISHI ELECTRIC AIR CODITION	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				Atsushi FDAYOSHI			<u> </u>

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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	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-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:				yes			
Parameters for				low-temperature application.			
Parameters for				colder climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	ηѕ	141	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	r	
temperature 20 $^{\circ}\text{C}$ and outdoor temperature	Тj		-	part load at indoor temperature 20 °C and outdo	or temperatur	те Тј	-
Tj = - 7 °C	Pdh	2.6	kW	Tj = - 7 °C	COPd	3.00	-
Degradation co-efficient (**)	Cdh	0.98	-				
Tj = + 2 °C	Pdh	2.0	kW	Tj = + 2 °C	COPd	4.08	-
Degradation co-efficient (**)	Cdh	0.97	-				
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	6.06	-
Degradation co-efficient (**)	Cdh	0.96	-				
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.60	-
Degradation co-efficient (**)	Cdh	0.94	-				
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.32	-
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	2.32	-
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 act	ive mode	1		Supplementary heater			T
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	4.3	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				
Annual energy consumption	Q_{HE}	2953	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	107	%
Daily electricity consumption	Qelec	7.310	kWh			_	
Annual electricity consumption	AEC	1609	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 perso	n empowere	d 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	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-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:				yes			
Parameters for				medium-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	155	%
Declared capacity for heating for part load a	at indoor			Declared coefficient of performance or primary en	nergy ratio fo	or	ļ
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				J
Tj = + 2 °C	Pdh	4.6	kW	Tj = + 2 °C	COPd	1.85	-
Degradation co-efficient (**)	Cdh	0.99	-				J
Tj = + 7 °C	Pdh	3.0	kW	Tj = + 7 °C	COPd	3.51	-
Degradation co-efficient (**)	Cdh	0.98	-			L	J
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	5.59	-
Degradation co-efficient (**)	Cdh	0.96	-				ı
Tj = bivalent temperature	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operation limit temperature (***)	Pdh	4.6	kW	Tj = operation limit temperature (***)	COPd	1.85	-
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}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW			•	
Standby mode	P_SB	0.015	kW	Type of energy input	ı	Electrical	
Crankcase heater mode	P_{CK}	0.000	kW		ı		
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				
Annual energy consumption	Q_{HE}	1560	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				
Contact details							
MITSUBISHI ELECTRIC AIR CODITIO				Nettlehill Road, Houston Industrial Estate, Liv	/ingston, 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 clim	nate / mediu	m-temperati	ure 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	:	SUZ-SWM40VA			
		Indoor unit:		EHST30D-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:				yes			
Parameters for				low-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηѕ	216	%
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	5.1	kW	Tj = + 2 °C	COPd	3.25	-
Degradation co-efficient (**)	Cdh	0.99	-				-
Tj = + 7 °C	Pdh	3.3	kW	Tj = + 7 °C	COPd	5.28	-
Degradation co-efficient (**)	Cdh	0.98	-				-
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.04	-
Degradation co-efficient (**)	Cdh	0.94	-				-
Tj = bivalent temperature	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.25	-
Tj = operation limit temperature (***)	Pdh	5.1	kW	Tj = operation limit temperature (***)	COPd	3.25	-
		1	.			<u>, </u>	.
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	T	Т	Supplementary heater		T	Г
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW				
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items	1					T	Г
Capacity control		variable	Т	Rated air flow rate, outdoors	-	2070	m ³ /h
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA				
Annual energy consumption	Q _{HE}	1247	kWh				
For heat pump combination heater:	ı					1	T
Declared load profile		XL	T	Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.270	kWh				
Annual electricity consumption	AEC	1159	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 perso	n empowere	d to bind the	e supplier;				
The signature is signed in the average clim	nate / mediu	m-temnerati	ire section	Atsushi EDAYOSHI 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	:	SUZ-SWM40VA					
		Indoor unit:		ERST30D-***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:				yes					
Parameters for				medium-temperature application.					
Parameters for				average climate conditions.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	132	%		
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 outdoor temperature Tj					
Tj = - 7 °C	Pdh	4.1	kW	Tj = - 7 °C	COPd	2.04	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 2 °C	Pdh	2.5	kW	Tj = + 2 °C	COPd	3.25	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	4.64	-		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = +12 °C	Pdh	2.3	kW	Tj = +12 °C	COPd	6.57	-		
Degradation co-efficient (**)	Cdh	0.96	-						
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.04	-		
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	1.91	-		
			•						
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}	0.015	kW	Rated heat output (*)	Psup	0.6	kW		
Thermostat-off mode	P_{TO}	0.015	kW						
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P_{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h		
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA						
Annual energy consumption	Q_{HE}	2806	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	128	%		
Daily electricity consumption	Qelec	6.110	kWh			<u></u>			
Annual electricity consumption	AEC	1345	kWh						
Contact details									
MITOURIOUS ELECTRIC ASS COSSITIO	ALIALO OLIOTE	TALELIE OFF	LTD	Maddalin Daniel III. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		E4. EEC. 0 "	(L L L L L L L L L L L L L L L L L		

MITSUBISHI ELECTRIC AIR CODITIONING SYSTEM EUROPE LTD.

Nettlehill Road, Houston Industrial Estate, Livingston, EH54 5EQ, Scotland, U.K.

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

Atsushi EDAYOSHI

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	:	SUZ-SWM40VA					
		Indoor unit:		ERST30D-***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:				yes					
Parameters for				low-temperature application.					
Parameters for				average climate conditions.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	187	%		
Declared capacity for heating for part load a	at indoor			Declared coefficient of performance or primary e	nergy ratio fo	or			
temperature 20 $^{\circ}\text{C}$ and outdoor temperature	Тj		_	part load at indoor temperature 20 °C and outdoor	or temperatur	re Tj			
Tj = - 7 °C	Pdh	4.5	kW	Tj = - 7 °C	COPd	2.92	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 2 °C	Pdh	2.7	kW	Tj = + 2 °C	COPd	4.58	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = + 7 °C	Pdh	2.6	kW	Tj = + 7 °C	COPd	6.50	-		
Degradation co-efficient (**)	Cdh	0.96	-						
Tj = +12 °C	Pdh	2.6	kW	Tj = +12 °C	COPd	8.97	-		
Degradation co-efficient (**)	Cdh	0.95	-						
Tj = bivalent temperature	Pdh	4.5	kW	Tj = bivalent temperature	COPd	2.92	-		
Tj = operation limit temperature (***)	Pdh	4.4	kW	Tj = operation limit temperature (***)	COPd	2.59	-		
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-20	°C		
Reference design conditions for space	Tdooignb	-10	°C		WTOL	60	°C		
heating	Tdesignh	-10	C	Heating water operating limit temperature	WIOL	60			
Power consumption in modes other than act		0.045		Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	0.7	kW		
Thermostat-off mode	P _{TO}	0.015	kW						
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items	1			Dated air flau vata autdeeve		1			
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m ³ /h		
Sound power level, indoors/outdoors	L_{WA}	41 / 58	dBA						
Annual energy consumption	Q _{HE}	2220	kWh						
For heat pump combination heater:	T					1			
Declared load profile		XL	Γ	Water heating energy efficiency	ηwh	128	%		
Daily electricity consumption	Qelec	6.110	kWh						
Annual electricity consumption	AEC	1345	kWh						
Contact details MITSUBISHI ELECTRIC AIR CODITIO	NING SYSTE	EM EUROPE	LTD.	Nettlehill Road, Houston Industrial Estate, Li	vingston, EH	54 5EQ, Scotl	and, 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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^(*) 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	:	SUZ-SWM40VA					
		Indoor unit:		ERST30D-***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:				yes					
Parameters for				medium-temperature application.					
Parameters for				colder climate conditions.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	3.5	kW	Seasonal space heating energy efficiency	ηs	108	%		
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fc	or			
temperature 20 °C and outdoor temperature	Τј			part load at indoor temperature 20 °C and outdoor	or temperatui	re Tj			
Tj = - 7 °C	Pdh	2.3	kW	Tj = - 7 °C	COPd	2.30	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 2 °C	Pdh	1.9	kW	Tj = + 2 °C	COPd	3.28	-		
Degradation co-efficient (**)	Cdh	0.97	-						
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	5.13	-		
Degradation co-efficient (**)	Cdh	0.96	-				ı		
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	6.55	-		
Degradation co-efficient (**)	Cdh	0.95	-				l		
Tj = bivalent temperature	Pdh	3.3	kW	Tj = bivalent temperature	COPd	1.25	-		
Tj = operation limit temperature (***)	Pdh	3.3	kW	Tj = operation limit temperature (***)	COPd	1.25	-		
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 act	ive mode			Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	3.5	kW		
Thermostat-off mode	P_{TO}	0.015	kW			•			
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P_{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				•		
Annual energy consumption	Q_{HE}	3108	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	107	%		
Daily electricity consumption	Qelec	7.310	kWh						
Annual electricity consumption	AEC	1609	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	d 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	:	SUZ-SWM40VA					
		Indoor unit:		ERST30D-***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:				yes					
Parameters for				low-temperature application.					
Parameters for				colder climate conditions.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	ηs	145	%		
Declared capacity for heating for part load a	nt indoor	·		Declared coefficient of performance or primary e	nergy ratio fc	r	-		
temperature 20 °C and outdoor temperature	Тj			part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = - 7 °C	Pdh	2.6	kW	Tj = - 7 °C	COPd	3.03	-		
Degradation co-efficient (**)	Cdh	0.98	-				•		
Tj = + 2 °C	Pdh	2.0	kW	Tj = + 2 °C	COPd	4.26	-		
Degradation co-efficient (**)	Cdh	0.97	-				1		
Tj = + 7 °C	Pdh	2.0	kW	Tj = + 7 °C	COPd	6.06	-		
Degradation co-efficient (**)	Cdh	0.96	-				1		
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.60	-		
Degradation co-efficient (**)	Cdh	0.94	-				•		
Tj = bivalent temperature	Pdh	4.1	kW	Tj = bivalent temperature	COPd	2.32	-		
Tj = operation limit temperature (***)	Pdh	4.1	kW	Tj = operation limit temperature (***)	COPd	2.32	-		
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 act	ive mode		•	Supplementary heater					
Off mode	P _{OFF}	0.015	kW	Rated heat output (*)	Psup	4.3	kW		
Thermostat-off mode	P_{TO}	0.015	kW						
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P_{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	41 / 58	dBA				-		
Annual energy consumption	Q_{HE}	2858	kWh						
For heat pump combination heater:		•							
Declared load profile		XL		Water heating energy efficiency	ηwh	107	%		
Daily electricity consumption	Qelec	7.310	kWh				•		
Annual electricity consumption	AEC	1609	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.		
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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	:	SUZ-SWM40VA			
		Indoor unit:		ERST30D-***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:				yes			
Parameters for				medium-temperature application.			
Parameters for				warmer climate conditions.			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	160	%
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary e	nergy ratio fo	or	1
temperature 20 °C and outdoor temperature	Гј			part load at indoor temperature 20 °C and outdoo	or temperatu	re Tj	
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-				•
Tj = + 2 °C	Pdh	4.6	kW	Tj = + 2 °C	COPd	1.85	-
Degradation co-efficient (**)	Cdh	0.99	-				•
Tj = + 7 °C	Pdh	3.0	kW	Tj = + 7 °C	COPd	3.45	-
Degradation co-efficient (**)	Cdh	0.98	-				<u>.</u>
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	5.59	-
Degradation co-efficient (**)	Cdh	0.96	-				_
Tj = bivalent temperature	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.85	-
Tj = operation limit temperature (***)	Pdh	4.6	kW	Tj = operation limit temperature (***)	COPd	1.85	_
		1	·			·	-
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	ve mode	_		Supplementary heater		_	
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW
Thermostat-off mode	P_{TO}	0.015	kW		ı		
Standby mode	P_{SB}	0.015	kW	Type of energy input	ı	Electrical	
Crankcase heater mode	P _{CK}	0.000	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m ³ /h
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA				
Annual energy consumption	Q_{HE}	1506	kWh				
For heat pump combination heater:							
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%
Daily electricity consumption	Qelec	5.270	kWh				
Annual electricity consumption	AEC	1159	kWh				
Contact details					–		
MITSUBISHI ELECTRIC AIR CODITIO	Nettlehill Road, Houston Industrial Estate, Liv	/ingston, EH	54 5EQ, Scot	land, U.K.			
The identification and signature of the person	Atsushi EDAYOSHI						
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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	:	SUZ-SWM40VA					
		Indoor unit:		ERST30D-***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:				yes					
Parameters for				low-temperature application.					
Parameters for				warmer climate conditions.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	5.1	kW	Seasonal space heating energy efficiency	ηs	225	%		
Declared capacity for heating for part load a	t indoor			Declared coefficient of performance or primary energy ratio for					
temperature 20 °C and outdoor temperature	Гј		1	part load at indoor temperature 20 °C and outdo	or temperatui	е Тј			
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	-		
Degradation co-efficient (**)	Cdh	-	-						
Tj = + 2 °C	Pdh	5.1	kW	Tj = + 2 °C	COPd	3.13	-		
Degradation co-efficient (**)	Cdh	0.99	-						
Tj = + 7 °C	Pdh	3.3	kW	Tj = + 7 °C	COPd	5.18	-		
Degradation co-efficient (**)	Cdh	0.98	-						
Tj = +12 °C	Pdh	1.9	kW	Tj = +12 °C	COPd	7.04	-		
Degradation co-efficient (**)	Cdh	0.94	-						
Tj = bivalent temperature	Pdh	5.1	kW	Tj = bivalent temperature	COPd	3.13	-		
Tj = operation limit temperature (***)	Pdh	5.1	kW	Tj = operation limit temperature (***)	COPd	3.13	-		
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	ve mode	T	1	Supplementary heater					
Off mode	P_{OFF}	0.015	kW	Rated heat output (*)	Psup	0.0	kW		
Thermostat-off mode	P_{TO}	0.015	kW						
Standby mode	P_SB	0.015	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{CK}	0.000	kW						
Other items									
Capacity control		variable		Rated air flow rate, outdoors	-	2070	m³/h		
Sound power level, indoors/outdoors	L_WA	41 / 58	dBA						
Annual energy consumption	Q_{HE}	1195	kWh						
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency	ηwh	149	%		
Daily electricity consumption	Qelec	5.270	kWh						
Annual electricity consumption	AEC	1159	kWh						
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The signature is signed in the survey office	aka / maa -lii:		ti	Atsushi EDAYOSHI					

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