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Model(s): [information identify	ring the r	nodel(s)	to which the	AW10	ONMUGHA					
information relates]										
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 supplementa	-	r:			No					
Heat pump combination heate					No					
Parameters shall be declared application, except for low-ter										
low- temperature heat pumps declared for low-temperature	, parame	eters sha		Low-temperature application						
Parameters shall be declared for average, colder and warmer climate conditions.				Average climate conditions						
Item	symbol	Value	Unit	Item symbol Value Unit						
Rated heat output (*)	P <sub>rated</sub>	7.2	kW	Seasonal space heating energy efficiency	$\eta_{s}$	201	%			
Declared capacity for heati	na for pa	art load a	t indoor		Declared coefficient of performance or primary energy ratio for part					
temperature 20 °C and	•			load at indoor temperature 20 °C and outdoor temperature T <sub>i</sub>						
T <sub>i</sub> = -7 °C	P <sub>dh</sub>	6.34	kW	$T_i = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%			
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.89	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.88	– or%			
T <sub>i</sub> = + 7 °C	P <sub>dh</sub>	2.52	kW	T <sub>i</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.88	– or%			
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	3.56	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.83	– or%			
$T_j$ = bivalent temperature	$P_{dh}$	6.34	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%			
$T_j$ = operation limit temperature	P <sub>dh</sub>	7.11	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.30	– or%			
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%			
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C			
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%			
Degradation co- efficient (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	80	°C			
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A						
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.09	kW			
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	Sup	-				
Standby mode	$P_{SB}$	0.018	kW	,						
Crankcase heater mode	$P_{CK}$	0	kW							
Other items	- <del> </del>		·							
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h			
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/60	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.72	m³/h			
Annual energy consumption	Q <sub>HE</sub>	2922	kWhor GJ							
For heat pump combination h		/A								
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%			
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
Qingdao Haier Air Conditioner Electric Co., Ltd.  Contact details  Haier industrial Park,No.236,Qianwangang Road ,Qingdao Eco-tech Development Zone ,Qingdao , 266555,China										
heating Pdesignh, and the rate	(*) 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 P <sub>sup</sub> is equal to the supplementary capacity for heating									
$\sup(T_j)$ . (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$ .										

Model(s): [information identify	ring the r	model(s)	to which the	AW10NMUGHA					
information relates]									
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 supplementa	-	r:			No				
Heat pump combination heat	er:				No				
Parameters shall be declared			•						
application, except for low-ter	•		•	Medium-temperature application	n				
low- temperature heat pumps			all be	Wedidin temperature application					
declared for low-temperature	• • • • • • • • • • • • • • • • • • • •								
Parameters shall be declared	for aver	age, col	der and	Average climate conditions					
warmer climate conditions.				7. Vorago cimilato contantono					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P <sub>rated</sub>	6	kW	Seasonal space heating energy efficiency	$\eta_{s}$	150	%		
Declared capacity for heat	ng for pa	art load a	at indoor	Declared coefficient of perform	ance or primary	energy rat	io for part		
temperature 20 °C and	outdoor t	temperat	ture T <sub>j</sub>	load at indoor temperature a	20 °C and outdo	or temper	ature T <sub>j</sub>		
T <sub>j</sub> = - 7 °C	$P_{dh}$	5.28	kW	$T_j = -7  ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%		
T <sub>j</sub> = + 2 °C	$P_{dh}$	3.24	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.62	– or%		
$T_j = + 7 ^{\circ}C$	$P_{dh}$	2.10	kW	$T_j = + 7  ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	5.38	– or%		
T <sub>j</sub> = + 12 °C	$P_{dh}$	3.22	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.66	– or%		
$T_j$ = bivalent temperature	$P_{dh}$	5.28	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%		
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.95	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.84	– or%		
For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C}$ (if TOL < $-20 ^{\circ}\text{C}$ )	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%		
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%		
Degradation co- efficient (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	80	°C		
Power consumption in modes	tother th	an activ	e mode	Supplementary heater: N/A					
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{\text{sup}}$	0.05	kW		
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	· sup	-	IXVV		
Standby mode	P <sub>SB</sub>	0.018	kW	type or ordergy mp are					
Crankcase heater mode	$P_{CK}$	0	kW						
Other items	8	•	-						
Capacity control		Variat	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.075	m³/h		
Annual energy consumption	Q <sub>HE</sub>	3240	kWhor GJ						
For heat pump combination h	eater: N	/A							
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	$Q_{fuel}$	-	kWh		
Annual electricity consumption		-	kWh	Annual fuel consumption	AFC	-	GJ		
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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 P <sub>sup</sub> is equal to the supplementary capacity for heating									
$\sup(I_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurei	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		1505709/15		

Model(s): [information identify	ring the r	nodel(s)	to which the						
information relates]				AW10NMUGHA					
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 supplementa	ry heate	r:			No				
Heat pump combination heat	er:				No				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter	•		•	Low-temperature application					
low- temperature heat pumps			III be	Low temperature application					
declared for low-temperature									
Parameters shall be declared	for aver	age, col	der and	Cold climate conditions					
warmer climate conditions.	ا م جامعان	Malua	l limit	lto m	av mala al	Value	I lmi4		
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P <sub>rated</sub>	7.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	144	%		
Declared capacity for heati	•			Declared coefficient of performance or primary energy ratio for part					
temperature 20 °C and o			,	load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>					
T <sub>j</sub> = -7 °C	P <sub>dh</sub>	4.54	kW	T <sub>j</sub> = -7 °C	COP or PER	3.50	– or%		
$T_j = + 2 ^{\circ}C$ $T_i = + 7 ^{\circ}C$	P <sub>dh</sub>	3.41 2.57	kW kW	T <sub>j</sub> = + 2 °C T <sub>i</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.20 7.00	– or% – or%		
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	3.63	kW	$T_i = + 12 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– 01% – or%		
T <sub>i</sub> = bivalent temperature	P <sub>dh</sub>	6.16	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.58	– or%		
T <sub>i</sub> = operation limit				·					
temperature	P <sub>dh</sub>	3.55	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.42	– or%		
For air-to-water heat pumps: $T_i = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	6.2	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	1.6	– or%		
,	т	15	°C	For air-to-water heat pumps:	TOL	25	°C		
Bivalent temperature  Cycling interval capacity for	T <sub>biv</sub>	-15		Operation limit temperature	TOL	-25	• 0		
heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%		
Degradation co- efficient (**)	$C_dh$	0.9	_	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes		an activ	e mode	Supplementary heater: N/A					
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	3.95	kW		
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input		-			
Standby mode Crankcase heater mode	P <sub>SB</sub>	0.018	kW						
Other items	$P_{CK}$	0	kW						
Other items				For air-to-water heat pumps:					
Capacity control		Variab	le	Rated air flow rate, outdoors	_	3028	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/60	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.720	m³/h		
Annual energy consumption	$Q_{HE}$	3201	kWhor GJ						
For heat pump combination h		/A	<u> </u>						
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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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 $P_{sup}$ is equal to the supplementary capacity for heating									
$\sup(T_j)$ . (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$ .									

Model(s): [information identifying the model(s) to which the information relates]				AW10NMUGHA				
Air-to-water heat pump:					Voc			
				Yes No				
Water-to-water heat pump: Brine-to-water heat pump:				No No				
				No No				
Low-temperature heat pump:				No				
Equipped with a supplementa	•	r.						
Heat pump combination heat					No			
Parameters shall be declared								
application, except for low-ter	•	•	•	Medium-temperature application	n			
low- temperature heat pumps declared for low-temperature			iii be	, , , , ,				
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Cold climate conditions				
	av mah al	Value	Linit	Item symbol Value Unit				
Item	symbol	Value	Unit		Symbol	value	Unit	
Rated heat output (*)	P <sub>rated</sub>	6	kW	Seasonal space heating energy efficiency	$\eta_{s}$	128	%	
Declared capacity for heat	•			Declared coefficient of performance or primary energy ratio for part				
temperature 20 °C and		•	,	load at indoor temperature			J	
T <sub>j</sub> = − 7 °C	$P_{dh}$	3.69	kW	$T_j = -7$ °C	COP <sub>d</sub> or PER <sub>d</sub>	2.93	– or%	
T <sub>j</sub> = + 2 °C	$P_{dh}$	2.35	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.98	– or%	
$T_j = +7 ^{\circ}C$	$P_{dh}$	2.95	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.91	– or%	
$T_j = + 12  ^{\circ}C$	$P_{dh}$	2.98	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.30	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	5.19	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.47	– or%	
$T_j$ = operation limit temperature	P <sub>dh</sub>	3.29	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.31	– or%	
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	5.2	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	1.5	– or%	
Bivalent temperature	T <sub>biv</sub>	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%	
Degradation co- efficient (**)	C <sub>dh</sub>	0.9	_	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A		L		
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	2.71	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input		-		
Standby mode	$P_{SB}$	0.018	kW					
Crankcase heater mode	$P_{CK}$	0	kW					
Other items								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.075	m³/h	
Annual energy consumption	$Q_{HE}$	2861	kWhor GJ					
For heat pump combination h	eater: N	/A						
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%	
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	$Q_{fuel}$	-	kWh	
Annual electricity consumption		-	kWh	Annual fuel consumption	AFC	-	GJ	
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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 P <sub>sup</sub> is equal to the supplementary capacity for heating								
$\sup(T_j)$ . (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$ .  0150570945								

Model(s): [information identify	ring the r	nodel(s)	to which the						
information relates]				AW10NMUGHA					
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 supplementa	ry heate	r:			No				
Heat pump combination heate	er:				No				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter	•		•	Low-temperature application					
low- temperature heat pumps			III be	Low temperature application					
declared for low-temperature									
Parameters shall be declared	for aver	age, col	der and	Warm climate conditions					
warmer climate conditions.	av rock al	Value	Lloit	ltom.	ay mah al	Value	Lloit		
Item	symbol	Value	Unit	Item Seasonal space heating	symbol	Value	Unit		
Rated heat output (*)	P <sub>rated</sub>	7.5	kW	energy efficiency	$\eta_{s}$	249	%		
Declared capacity for heati	•			Declared coefficient of performance or primary energy ratio for part					
temperature 20 °C and o		temperat	,	load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>					
T <sub>j</sub> = − 7 °C	P <sub>dh</sub>	/	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%		
$T_j = + 2 ^{\circ}C$ $T_i = + 7 ^{\circ}C$	P <sub>dh</sub>	7.47	kW	T <sub>j</sub> = + 2 °C T <sub>i</sub> = + 7 °C	COP or PER	4.45	– or%		
$T_j = + 7 \text{ C}$ $T_i = + 12 \text{ °C}$	P <sub>dh</sub>	4.88 3.88	kW kW	$T_j = + 7 \text{ C}$ $T_i = + 12 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	5.52 8.75	– or% – or%		
$T_i$ = bivalent temperature	P <sub>dh</sub>	7.47	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.45	– 01% – or%		
$T_i$ = operation limit				·					
temperature	P <sub>dh</sub>	7.47	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.45	– or%		
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	N/A	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%		
Bivalent temperature	T <sub>biv</sub>	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%		
Degradation co- efficient (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	80	°C		
Power consumption in modes	other th	an active	e mode	Supplementary heater: N/A					
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	-	kW		
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input		-			
Standby mode	P <sub>SB</sub>	0.018	kW						
Crankcase heater mode	$P_{CK}$	0	kW	<u>l</u>					
Other items	Ī			Langin to water boot number					
Capacity control		Variab	le	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h		
Sound power level, indoors/ outdoors	$L_{WA}$	-/60	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.720	m³/h		
Annual energy consumption	$Q_{HE}$	1360	kWhor GJ						
For heat pump combination h	eater: N	′A							
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	$Q_{fuel}$	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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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 P <sub>sup</sub> is equal to the supplementary capacity for heating									
$\sup(T_j)$ . (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$ .									

Model(s): [information identify	ring the r	nodel(s)	to which the						
information relates]				AW10NMUGHA					
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 supplementa	ry heate	r:			No				
Heat pump combination heat	er:				No				
Parameters shall be declared									
application, except for low-ter	•	•	•	Medium-temperature application	n				
low- temperature heat pumps			ıll be	modium temperature application					
declared for low-temperature	• • • • • • • • • • • • • • • • • • • •								
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Warm climate conditions					
Item	symbol	Value	Unit	Item	eymbol	Value	Unit		
item	Symbol	value	Offic	Seasonal space heating	symbol	value	Offic		
Rated heat output (*)	P <sub>rated</sub>	6	kW	energy efficiency	$\eta_{s}$	185	%		
Declared capacity for heati				Declared coefficient of perform			•		
temperature 20 °C and o		temperat	,	load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>					
$T_j = -7 \text{ °C}$ $T_i = +2 \text{ °C}$	P <sub>dh</sub>	6 4 4	kW	$T_j = -7 ^{\circ}\text{C}$ $T_i = +2 ^{\circ}\text{C}$	COP or PER	/	– or%		
$T_i = + 2 \text{ C}$ $T_i = + 7 \text{ °C}$	P <sub>dh</sub>	6.11 3.90	kW kW	$T_j = + 2 \text{ C}$ $T_i = + 7 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	2.69 4.18	– or% – or%		
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	3.94	kW	$T_i = + 12  ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	6.68	– or%		
T <sub>i</sub> = bivalent temperature	P <sub>dh</sub>	6.11	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.69	– or%		
T <sub>i</sub> = operation limit				·					
temperature	P <sub>dh</sub>	6.11	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.69	– or%		
For air-to-water heat pumps: $T_i = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%		
, , ,									
Bivalent temperature	T <sub>biv</sub>	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%		
Degradation co- efficient (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	80	°C		
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A					
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	-	kW		
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input		-			
Standby mode	P <sub>SB</sub>	0.018	kW						
Crankcase heater mode	$P_{CK}$	0	kW						
Other items	I		<u> </u>	For air to water boot normal					
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3429	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.075	m³/h		
Annual energy consumption	Q <sub>HE</sub>	1481	kWhor GJ						
For heat pump combination h		/A	<u> </u>						
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%		
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	$Q_{fuel}$	-	kWh		
Annual electricity consumption	AEC		kWh	Annual fuel consumption	AFC		GJ		
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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 P <sub>sup</sub> is equal to the supplementary capacity for heating									
$\sup(T_j)$ . (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$ .									