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Model(s): [information identifying the model(s) to which the information relates]				AW102MUGHA				
Air-to-water heat pump:					Yes			
Water-to-water heat pump:				No No				
Brine-to-water heat pump:				No				
Low-temperature heat pump:					No			
Equipped with a supplementa	rv heate	r·			No			
Heat pump combination heate					No			
		ium tom	noroturo		140			
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	mperatur , parame	e heat p eters sha	umps. For	Low-temperature application				
Parameters shall be declared			der and	Average climate conditions				
warmer climate conditions.	ا م ما ممار	Malua	L la:4	_	av mala a l	Value	I Imit	
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				Declared coefficient of perform			•	
temperature 20 °C and			J	load at indoor temperature 2			J	
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	6.34	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%	
T <sub>j</sub> = + 2 °C	$P_{dh}$	3.89	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.88	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.52	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.88	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.56	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.83	– or%	
T <sub>j</sub> = 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: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	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>	-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		-		
Standby mode	$P_{SB}$	0.018	kW					
Crankcase heater mode	$P_{CK}$	0	kW					
Other items	-							
Capacity control		Variat	ole	For air-to-water heat pumps: 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	1.72	m³/h	
Annual energy consumption	Q <sub>HE</sub>	2922	kWhor GJ					
For heat pump combination h			<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	
Qingdao Haier Air Conditioner Electric Co., Ltd.  Contact details  Contact details								
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P <sub>sup</sub> is equal to the supp	olementary capa			
$\sup(T_j)$ . (**) 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	AW10	D2MUGHA				
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 low- temperature heat pumps declared for low-temperature	, parame	eters sha	•	Medium-temperature application	n				
Parameters shall be declared for average, colder and				Average climate conditions					
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	na for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	io for part		
temperature 20 °C and	•			load at indoor temperature 2			•		
T <sub>i</sub> = -7 °C	P <sub>dh</sub>	5.28	kW	$T_i = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%		
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.24	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.62	– or%		
T <sub>i</sub> = + 7 °C	P <sub>dh</sub>	2.10	kW	T <sub>i</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.38	– or%		
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	3.22	kW	T <sub>i</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%		
$T_j$ = 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: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	N/A	kW	For air-to-water heat pumps: T <sub>j</sub> = -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 (*)	$P_{sup}$	0.05	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 <sub>HE</sub>	3240	kWhor GJ						
For heat pump combination h		/A	L						
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 $C_{dh} = 0.9$ .									

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Model(s): [information identify	ing the r	nodel(s)	to which the	AW102MUGHA					
information relates]									
Air-to-water heat pump:				Yes					
Water-to-water heat pump:				No No					
Brine-to-water heat pump:				No 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	nperatur , parame applicati	e heat peters sha	umps. For all be	Low-temperature application					
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Cold climate conditions					
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	ng for pa	art load a	nt indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part		
temperature 20 °C and o	•			load at indoor temperature			•		
T <sub>i</sub> = - 7 °C	$P_{dh}$	4.54	kW	T <sub>i</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.50	– or%		
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.41	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.20	– or%		
T <sub>i</sub> = + 7 °C	P <sub>dh</sub>	2.57	kW	T <sub>i</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.00	– or%		
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	3.63	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– or%		
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	6.16	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.58	– or%		
$T_j$ = operation limit temperature	P <sub>dh</sub>	3.55	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.42	– or%		
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	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%		
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 (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than active 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	$P_{SB}$	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	_	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>l</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 $Sup(T_i)$ . (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$ .									
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Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW102MUGHA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:				No				
Low-temperature heat pump:					No			
Equipped with a supplementa	ry heate	r:			No			
Heat pump combination heat	-				No			
Parameters shall be declared		ium-tem	perature					
application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p	umps. For	Medium-temperature application	n			
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Cold climate conditions				
Item	symbol	Value	Unit	ltem	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	6	kW	Seasonal space heating energy efficiency	$\eta_{\text{s}}$	128	%	
Declared capacity for heati	ing for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	io for part	
temperature 20 °C and				load at indoor temperature 2			<u>J</u>	
T <sub>j</sub> = − 7 °C	$P_{dh}$	3.69	kW	T <sub>j</sub> = - 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 <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.95	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.91	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	2.98	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.30	– or%	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	5.19	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.47	– or%	
T <sub>j</sub> = 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: $T_j = -15 ^{\circ}\text{C}$ (if TOL < $-20 ^{\circ}\text{C}$ )	P <sub>dh</sub>	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 (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than active mode				Supplementary heater: N/A				
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	I		-			ı		
Capacity control		Variab	le	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		/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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heating Pdesignh, and the rate	d heat o	utput of	a supplementa	heaters, the rated heat output Pra ary heater P <sub>sup</sub> is equal to the supp	olementary capa	_		
$\sup(I_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570941	

Model(s): [information identifying the model(s) to which the				AW102MUGHA				
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:								
Low-temperature heat pump:	. 1				No			
Equipped with a supplementa	-	r:			No			
Heat pump combination heate					No			
Parameters shall be declared								
application, except for low-ter	•	•	•	Low-temperature application				
low- temperature heat pumps declared for low-temperature			iii be					
			1 1					
Parameters shall be declared warmer climate conditions.	for aver	age, con	der and	Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
item	Зуппоот	value		Seasonal space heating	Syllibol	value		
Rated heat output (*)	P <sub>rated</sub>	7.5	kW	energy efficiency	$\eta_{s}$	249	%	
Declared capacity for heati				Declared coefficient of perform			•	
temperature 20 °C and		temperat	,	load at indoor temperature		or temper	J	
T <sub>j</sub> = -7 °C	P <sub>dh</sub>	/	kW	$T_j = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	7.47	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.45	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.88	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.52	– or%	
$T_j = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	3.88	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.75	– or%	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.47	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.45	– or%	
T <sub>j</sub> = operation limit temperature	$P_{dh}$	7.47	kW	$T_j$ = 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 <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	$P_{cych}$	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	Power consumption in modes other than active mode							
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	ı		T	12				
Capacity control		Variab	ole	For air-to-water heat pumps: 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	$Q_{HE}$	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	
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 identifying the model(s) to which the information relates]				AW102MUGHA						
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	rv heate	r·			No					
Heat pump combination heate	•				No					
Parameters shall be declared		ium-tom	noraturo							
application, except for low-ter										
low- temperature heat pumps	•		•	Medium-temperature application	n					
declared for low-temperature			50							
Parameters shall be declared			der and							
warmer climate conditions.	ioi avci	age, con	aci ana	Warm climate conditions						
Item	symbol	Value	Unit	Item	symbol	Value	Unit			
				Seasonal space heating						
Rated heat output (*)	P <sub>rated</sub>	6	kW	energy efficiency	ης	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 <sub>j</sub> = - 7 °C	P <sub>dh</sub>	/	kW	$T_j = -7 ^{\circ}\text{C}$ $COP_d \text{ or } PER_d$ / $-\text{ or}\%$						
T <sub>j</sub> = + 2 °C	$P_{dh}$	6.11	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.69	– or%			
T <sub>j</sub> = + 7 °C	$P_{dh}$	3.90	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.18	– or%			
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.94	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.68	– or%			
T <sub>j</sub> = bivalent temperature	$P_{dh}$	6.11	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.69	– or%			
T <sub>j</sub> = operation limit temperature	$P_{dh}$	6.11	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.69	– 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 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	$P_{SB}$	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	$Q_{HE}$	1481	kWhor GJ							
For heat pump combination h	eater: N	/A								
Declared load profile	-			Water heating energy efficiency	$\eta_{wh}$	-	%			
Daily electricity consumption	$Q_{\text{elec}}$	-	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 $C_{dh} = 0.9$ .										