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Model(s): [information identify	ing the r	nodel(s)	to which the	AW122HVGH	A / HU162WAH	 IYA		
information relates]				7.11.122.11.01.1				
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:			Yes			
Heat pump combination heat	er:				No			
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 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>	8.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	190	%	
Declared capacity for heati temperature 20 °C and o				Declared coefficient of perform load at indoor temperature 2				
$T_i = -7  ^{\circ}\text{C}$		7.48	kW	$T_i = -7  ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	3.12	– or%	
$T_i = +2 \text{ °C}$	P <sub>dh</sub>	4.59	kW	$T_j = -7 ^{\circ} C$ $T_i = +2 ^{\circ} C$	COP <sub>d</sub> or PER <sub>d</sub>	4.60	– or% – or%	
$T_i = +7  ^{\circ}C$	P <sub>dh</sub>	2.98	kW	$T_i = +7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	6.72	– 01% – or%	
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	5.08	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.35	– or%	
T <sub>i</sub> = bivalent temperature	P <sub>dh</sub>	7.48	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.12	– or%	
$T_j$ = operation limit temperature	P <sub>dh</sub>	6.26	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.16	– or%	
For air-to-water heat pumps: $T_i = -15$ °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:	TOL	-25	°C	
·	517		_	Operation limit temperature				
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 (*)	$P_{sup}$	2.24	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	T	ı						
Capacity control	Fixed	d	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h	
Annual energy consumption	$Q_{HE}$	3647	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	Annual electricity consumption	AEC	_	kWh	
Contact details	Haier in , 26655	dustrial 5,China	Park,No.236,	I r Electric Co., Ltd. Qianwangang Road ,Qingdao Ec			_	
heating Pdesignh, and the rate	d heat o	utput of	a supplementa	heaters, the rated heat output Pra ary heater $P_{sup}$ is equal to the supp	olementary capa	_		
$[\sup(I_j). (**)]$ If $C_{dh}$ is not determ	ined by r	neasurei	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570295	

Model(s): [information identifying the model(s) to which the information relates]				AW122HVGHA / HU162F20AHYA				
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	ry hoato	r·			Yes			
Heat pump combination heate		1.			Yes			
		ta			163			
Parameters shall be declared application, except for low-ter low-temperature heat pumps	nperatur	e heat p	umps. For	Low-temperature application				
	•		iii be					
declared for 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	
Item	Symbol	value	Offic	Seasonal space heating	Syllibol	value	Offic	
Rated heat output (*)	P <sub>rated</sub>	8.5	kW	energy efficiency	η <sub>s</sub>	190	%	
Declared capacity for heati				Declared coefficient of perform			•	
temperature 20 °C and o	. ,			load at indoor temperature 2			J	
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.48	kW	T <sub>j</sub> = -7 °C	COP or PER	3.12	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.59	kW	T <sub>j</sub> = + 2 °C	COP or PER	4.60	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.98	kW	T <sub>j</sub> = + 7 °C	COP or PER	6.72	– or%	
$T_j = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	5.08	kW kW	$T_j = + 12 ^{\circ}\text{C}$ $T_i = \text{bivalent temperature}$	COP <sub>d</sub> or PER <sub>d</sub>	8.35	– or%	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.48	KVV	i <sub>j</sub> = bivalent temperature	COP <sub>d</sub> of PER <sub>d</sub>	3.12	– or%	
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.26	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.16	– 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>	-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 (*)	$P_{sup}$	2.24	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	•					ı		
Capacity control	Fixed	b	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h	
Annual energy consumption	$Q_{HE}$	3647	kWhor GJ					
For heat pump combination h	eater: Ye	es						
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	135	%	
Daily electricity consumption	Q <sub>elec</sub>	3.72	kWh	Annual electricity consumption	AEC	730	kWh	
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	d heat o	utput of	a supplementa	heaters, the rated heat output Pra ary heater $P_{sup}$ is equal to the supp	olementary capa	_		
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570205	

Model(s): [information identify	ring the r	nodel(s)	to which the	AW122HVGH	A / HU162WAH	 IYA			
information relates]									
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	-	r:			Yes				
Heat pump combination heat					No				
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame applicati	e heat p eters sha on.	umps. For all be	Medium-temperature application	n				
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>	6.8	kW	Seasonal space heating energy efficiency	$\eta_{s}$	151	%		
Declared capacity for heat temperature 20 °C and				Declared coefficient of perform load at indoor temperature 2					
$T_i = -7  ^{\circ}\text{C}$	P <sub>dh</sub>	5.98	kW	T <sub>i</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.36	– or%		
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.67	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.75	– or%		
T <sub>i</sub> = + 7 °C	P <sub>dh</sub>	2.38	kW	T <sub>i</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.46	– or%		
T <sub>i</sub> = + 12 °C	$P_{dh}$	4.79	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.90	– or%		
$T_j$ = bivalent temperature	$P_{dh}$	5.98	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.36	– or%		
T <sub>j</sub> = operation limit temperature	$P_{dh}$	6.74	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.65	– or%		
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °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>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for heating	$P_{\text{cych}}$	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	other th	an activ	e mode	Supplementary heater: N/A					
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.06	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	Fixed	b	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4821	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h		
Annual energy consumption	Q <sub>HE</sub>	3650	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	Annual electricity consumption	AEC	_	kWh		
Contact details	Haier in , 26655	dustrial 5,China	Park,No.236,	L er Electric Co., Ltd. Qianwangang Road ,Qingdao Ec			_		
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	_			
$\sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurei	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570295		

Model(s): [information identifying the model(s) to which the information relates]				AW122HVGHA / HU162F20AHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:				No No				
Low-temperature heat pump:					No			
Equipped with a supplementa	ry hoato	r·			Yes			
Heat pump combination heate		1.			Yes			
		4 a.u.a.			163			
Parameters shall be declared application, except for low-ter low-temperature heat pumps	nperatur	e heat p	umps. For	Medium-temperature application	n			
declared for low-temperature			20					
Parameters shall be declared for average, colder and								
	warmer climate conditions.							
	Item symbol Value Unit				symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	6.8	kW	Item Seasonal space heating energy efficiency	ης	151	%	
Declared capacity for heati	na for na	ert load a	nt indoor	Declared coefficient of perform	ance or primary	energy rat	io for part	
temperature 20 °C and				load at indoor temperature 2	, ,	٠,	•	
$T_i = -7  ^{\circ}\text{C}$	P <sub>dh</sub>	5.98	kW	$T_i = -7  ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	2.36	– or%	
$T_i = + 2 \degree C$	P <sub>dh</sub>	3.67	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.75	– 01 % – or%	
$T_i = +7 ^{\circ}\text{C}$	P <sub>dh</sub>	2.38	kW	T <sub>i</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.46	– 01 % – or%	
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	4.79	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.90	– or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	5.98	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.36	– or%	
T <sub>i</sub> = operation limit				·				
temperature	P <sub>dh</sub>	6.74	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.65	– or%	
For air-to-water heat pumps: $T_i = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	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%	
1j = 13 C (11 10L \ - 20 C)								
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	$P_{\text{cych}}$	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	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.06	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	1							
Capacity control	Fixed	t	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4821	m³/h	
Sound power level, indoors/ outdoors	$L_{WA}$	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q <sub>HE</sub>	3650	kWhor GJ					
For heat pump combination h	eater: Ye	es	<del>!</del>					
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	135	%	
Daily electricity consumption	Q <sub>elec</sub>	3.72	kWh	Annual electricity consumption	AEC	730	kWh	
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	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	_		
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	measurei	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570205	

Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW122HVGH	A / HU162WAH	IYA		
•				Vos				
Air-to-water heat pump:				Yes				
Water-to-water heat pump: Brine-to-water heat pump:				No No				
					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	_	r:			Yes			
Heat pump combination heater:					No			
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p	umps. For	Low-temperature application				
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	9	kW	Seasonal space heating energy efficiency	$\eta_{s}$	149	%	
Declared capacity for heati temperature 20 °C and o				Declared coefficient of perform load at indoor temperature 2			-	
 T <sub>j</sub> = − 7 °C	$P_{dh}$	5.47	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.50	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.44	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.20	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.15	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.00	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	5.03	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	7.38	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.46	– or%	
T <sub>j</sub> = operation limit temperature	$P_{dh}$	6.80	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.85	– or%	
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	7.38	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.46	– 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	$P_{\text{cych}}$	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	60	°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 (*)	$P_{sup}$	2.20	kW	
Thermostat-off mode	$P_{TO}$	0.018	kW	Type of energy input	•	-		
Standby mode	$P_{SB}$	0.018	kW					
Crankcase heater mode	P <sub>CK</sub>	0	kW					
Other items			-					
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h	
Annual energy consumption	$Q_{HE}$	2939	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	Annual electricity consumption	AEC	_	kWh	
Contact details	Haier in			er Electric Co., Ltd. Qianwangang Road ,Qingdao Ec	co-tech Develop	ment Zon	e ,Qingdao	
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater $P_{\text{sup}}$ is equal to the supp	olementary capa			
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570295	

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Model(s): [information identify	ing the r	nodel(s)	to which the	AW122HVGH/	A / HU162F20A	HYA		
information relates] Air-to-water heat pump:				Voc				
·_·_·				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump: Low-temperature heat pump:					No			
Equipped with a supplementa	ry hoato	r·			Yes			
Heat pump combination heate		1.			Yes			
Parameters shall be declared		ium-tom	poraturo		100			
application, except for low-ter			•					
low- temperature heat pumps				Low-temperature application				
declared for low-temperature								
Parameters shall be declared for average, colder and				Cold climate conditions				
warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	9	kW	Seasonal space heating energy efficiency	$\eta_{s}$	149	%	
Declared capacity for heati	ng for pa	art load a	at indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part	
temperature 20 °C and o			J	load at indoor temperature				
T <sub>j</sub> = -7 °C	P <sub>dh</sub>	5.47	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.50	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.44	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.20	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.15	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.00	– or%	
$T_j = + 12 ^{\circ}\text{C}$ $T_i = \text{bivalent temperature}$	P <sub>dh</sub>	5.03 7.38	kW kW	$T_j = + 12 ^{\circ}\text{C}$ $T_i = \text{bivalent temperature}$	COP <sub>d</sub> or PER <sub>d</sub>	9.00 2.46	– or% – or%	
$T_i$ = operation limit	P <sub>dh</sub>	7.30	KVV	·		2.40	- OI 70	
temperature	P <sub>dh</sub>	6.80	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.85	– or%	
For air-to-water heat pumps:		7.00		For air-to-water heat pumps: T <sub>i</sub>	600 050	0.40	0/	
$T_i = -15 ^{\circ}\text{C}  (\text{if TOL} < -20 ^{\circ}\text{C})$	$P_{dh}$	7.38	kW	= - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.46	– or%	
Bivalent temperature	$T_biv$	-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	WTOL	60	°C	
, ,				temperature				
Power consumption in modes				Supplementary heater: N/A	D	0.00	1.3.47	
Off mode Thermostat-off mode	P <sub>OFF</sub>	0.018	kW kW	Rated heat output (*)  Type of energy input	P <sub>sup</sub>	2.20	kW	
Standby mode	P <sub>SB</sub>	0.018	kW	Type of energy input		-		
Crankcase heater mode	P <sub>CK</sub>	0.010	kW					
Other items	- Cit		1	1				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h	
				<u> </u>				
Sound power level, indoors/				For water- or brine-to- water heat pumps: Rated brine or				
outdoors	$L_{WA}$	42/63	dB(A)	water flow rate, outdoor heat	N/A	2.064	m³/h	
Outdoors				exchanger				
Annual energy consumption	Q <sub>HE</sub>	2939	kWhor GJ					
For heat pump combination h								
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	110.28	%	
Daily electricity consumption	Q <sub>elec</sub>	4.73	kWh	Annual electricity consumption	AEC	928.41	kWh	
say steemeny consumption	6160	5			0			
	Qingda	D Haier A	Air Conditione	er Electric Co., Ltd.				
Contact details	Haier in			Qianwangang Road ,Qingdao Ed	co-tech Develop	ment Zon	e ,Qingdao	
				heaters, the rated heat output Pra				
				ary heater P <sub>sup</sub> is equal to the sup		city for he	ating	
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$			
			, <del></del>				150570295	

Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW122HVGH	A / HU162WAH	łΥΑ		
•				Vos				
Air-to-water heat pump:				Yes				
Water-to-water heat pump: Brine-to-water heat pump:				No No				
					No			
Low-temperature heat pump:	m. h.a.a.ta				No			
Equipped with a supplementa	•	r:			Yes			
Heat pump combination heate					No			
Parameters shall be declared 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 for average, colder and warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	7	kW	Seasonal space heating energy efficiency	$\eta_{s}$	127	%	
Declared capacity for heati temperature 20 °C and o	•			Declared coefficient of perform load at indoor temperature 2			-	
T <sub>i</sub> = - 7 °C	P <sub>dh</sub> 4.29 kW			T <sub>i</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%	
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.20	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.76	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.05	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.52	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	4.84	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.03	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	5.76	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.13	– or%	
$T_j$ = operation limit temperature	$P_{dh}$	6.96	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.58	– or%	
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	$P_{dh}$	5.76	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.13	– 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				
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.04	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	T							
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		4821	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q <sub>HE</sub>	3346	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	Annual electricity consumption	AEC	_	kWh	
Contact details	Haier in , 26655	dustrial 5,China	Park,No.236,	L er Electric Co., Ltd. Qianwangang Road ,Qingdao Ec				
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output $Pra$ ary heater $P_{sup}$ is equal to the $supp$	olementary capa			
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570295	

Model(s): [information identify	ring the r	model(s)	to which the	AW122HVGHA	A / HU162F20A	HYA		
information relates]				AW122HVGHA / HU162F20AHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:	. 1				No			
Equipped with a supplementa		r:			Yes			
Heat pump combination heat					Yes			
Parameters shall be declared application, except for low-ter low- temperature heat pumps	nperatur , parame	e heat p eters sha	umps. For	Medium-temperature application	n			
declared for low-temperature application.  Parameters shall be declared for average, colder and				Cold climate conditions				
warmer climate conditions.	mer climate conditions.  Item   symbol Value   Unit				av mah al	Value	l loit	
item	symbol	value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	7	kW	Seasonal space heating energy efficiency	$\eta_s$	127	%	
Declared capacity for heati	•			Declared coefficient of perform			•	
temperature 20 °C and o			J	load at indoor temperature 2				
$T_j = -7 \text{ °C}$ $T_i = +2 \text{ °C}$	P <sub>dh</sub>	4.29	kW	T <sub>j</sub> = − 7 °C T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83 3.76	– or%	
$T_j = +2 \text{ C}$ $T_i = +7 \text{ °C}$	P <sub>dh</sub>	3.20 4.05	kW kW	$T_{i} = + 2 \text{ C}$ $T_{i} = + 7 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	5.52	– or% – or%	
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	4.03	kW	$T_i = + 12 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	8.03	– 01% – or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	5.76	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.13	– or%	
$T_i$ = operation limit				,			0170	
temperature	P <sub>dh</sub>	6.96	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.58	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	P <sub>dh</sub>	5.76	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.13	– 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 th	an activ	e mode	Supplementary heater: N/A				
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.04	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 <sub>CK</sub>	0	kW					
Other items	1			T = .				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		4821	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q <sub>HE</sub>	3346	kWhor GJ					
For heat pump combination h	eater: Y	es	<u>'</u>					
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	110.28	%	
Daily electricity consumption	Q <sub>elec</sub>	4.73	kWh	Annual electricity consumption	AEC	928.41	kWh	
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	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 determ	ined by i	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570295	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW122HVGH	A / HU162WAH	łΥΑ		
information relates]				Vos				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:					No			
Brine-to-water heat pump:					No			
Low-temperature heat pump:	m. b = = 4 ·			<u> </u>	No			
Equipped with a supplementa	•	r:		<u> </u>	Yes			
Heat pump combination heate				<u> </u>	No			
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p	umps. For	Low-temperature application				
Parameters shall be declared for average, colder and warmer climate conditions.				Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	9	kW	Seasonal space heating energy efficiency	$\eta_{s}$	258	%	
Declared capacity for heati temperature 20 °C and o				Declared coefficient of perform load at indoor temperature 2				
 T <sub>j</sub> = − 7 °C	$P_{dh}$	/	kW	$T_j = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%	
T <sub>j</sub> = + 2 °C	$P_{dh}$	9.1	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%	
T <sub>j</sub> = + 7 °C	$P_{dh}$	5.8	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.12	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	5.0	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.57	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	9.1	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%	
T <sub>j</sub> = operation limit temperature	$P_{dh}$	9.1	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– 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	$P_{\text{cych}}$	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	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	$P_{TO}$	0.018	kW	Type of energy input	•	-		
Standby mode	$P_{SB}$	0.018	kW					
Crankcase heater mode	$P_{CK}$	0	kW					
Other items			<u>.</u>					
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h	
Annual energy consumption	$Q_{HE}$	1579	kWhor GJ					
For heat pump combination h	eater: N	′A	<u>'</u>					
Declared load profile		_		Water heating energy efficiency	$\eta_{wh}$	_	%	
Daily electricity consumption	Q <sub>elec</sub>	_	kWh	Annual electricity consumption	AEC	_	kWh	
Contact details	Haier in , 26655	dustrial 5,China	Park,No.236,	L er Electric Co., Ltd. Qianwangang Road ,Qingdao Ec				
heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater $P_{sup}$ is equal to the supp	olementary capa			
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570295	

				T				
Model(s): [information identify	ing the r	nodel(s)	to which the	AW122HVGHA	A / HU162F20A	HYA		
information relates]				Voc				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump: Low-temperature heat pump:					No			
Equipped with a supplementa	ry hoato	r·			Yes			
Heat pump combination heate		1.			Yes			
<u> </u>	Parameters shall be declared for medium-temperature				100			
application, except for low-ter			•					
low- temperature heat pumps				Low-temperature application				
declared for low-temperature								
Parameters shall be declared for average, colder and				Warm climate conditions				
warmer climate conditions.								
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	9	kW	Seasonal space heating energy efficiency	$\eta_{s}$	258	%	
Declared capacity for heati	ng for pa	art load a	nt indoor	Declared coefficient of perform	ance or primary	energy rat	io for part	
temperature 20 °C and o	outdoor t	temperat	ture T <sub>j</sub>	load at indoor temperature	20 °C and outdo	or temper	ature T <sub>j</sub>	
T <sub>j</sub> = − 7 °C	$P_{dh}$	/	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%	
T <sub>j</sub> = + 2 °C	$P_{dh}$	9.09	kW	T <sub>j</sub> = + 2 ℃	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.83	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.12	– or%	
$T_j = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	4.99	kW	$T_j = + 12 ^{\circ}\text{C}$	COP or PER	8.57	– or%	
$T_j$ = bivalent temperature $T_i$ = operation limit	P <sub>dh</sub>	9.09	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%	
temperature	P <sub>dh</sub>	9.09	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%	
For air-to-water heat pumps:		<b>.</b> 1/0		For air-to-water heat pumps: T <sub>i</sub>	600 050	<b>.</b> 1/0	0/	
$T_j = -15  ^{\circ}\text{C}  (\text{if TOL} < -20  ^{\circ}\text{C})$	P <sub>dh</sub>	N/A	kW	= -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:	TOL	-25	°C	
·	Biv			Operation limit temperature				
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	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	1		ı	For air to water best number				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h	
Sound power level, indoors/		40/00	4D/A)	For water- or brine-to- water heat pumps: Rated brine or	N1/A	0.004	1/ د س	
outdoors	L <sub>WA</sub>	42/63	dB(A)	water flow rate, outdoor heat exchanger	N/A	2.064	m³/h	
Annual energy consumption	Q <sub>HE</sub>	1579	kWhor GJ	3				
For heat pump combination h								
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	140.3	%	
Daily electricity consumption	Q <sub>elec</sub>	3.72	kWh	Annual electricity consumption	AEC	729.73	kWh	
, 11111/	-6166							
	Qingda	D Haier A	Air Conditione	er Electric Co., Ltd.				
Contact details	Haier in			Qianwangang Road ,Qingdao Ed	co-tech Develop	ment Zon	e ,Qingdao	
				heaters, the rated heat output Pra				
				ary heater $P_{\text{sup}}$ is equal to the supp		city for he	ating	
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$			
	·		, <del></del>				150570295	

Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW122HVGH	A / HU162WAH	łΥΑ		
•				Vac				
Air-to-water heat pump:				Yes				
Water-to-water heat pump: Brine-to-water heat pump:				No No				
					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	•	r:			Yes			
Heat pump combination heate					No			
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p eters sha	umps. For	Medium-temperature application	n			
Parameters shall be declared for average, colder and warmer climate conditions.				Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	7	kW	Seasonal space heating energy efficiency	$\eta_{s}$	185	%	
Declared capacity for heati temperature 20 °C and o				Declared coefficient of perform load at indoor temperature 2				
T <sub>j</sub> = − 7 °C	$P_{dh}$	/	kW	$T_j = -7  ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6.97	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%	
T <sub>j</sub> = + 7 °C	$P_{dh}$	4.42	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.24	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	4.72	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.68	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	6.97	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%	
$T_j$ = operation limit temperature	$P_{dh}$	6.97	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– 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	55,6	-		
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		4821	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q <sub>HE</sub>	1675	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	Annual electricity consumption	AEC	_	kWh	
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heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater $P_{sup}$ is equal to the supp	olementary capa			
$[\sup(T_j). (**) \text{ If } C_{dh} \text{ is not determ}]$	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570295	

Model(s): [information identify information relates]	ing the r	model(s)	to which the	AW122HVGHA	A / HU162F20A	HYA		
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·			Yes			
Heat pump combination heate	-	1.			Yes			
		ium tom	noroturo		100			
Parameters shall be declared application, except for low-ter								
	low- temperature heat pumps, parameters shall be				n			
	clared for low-temperature application.							
Parameters shall be declared			dor and					
warmer climate conditions.	ioi avei	age, con	uei anu	Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
	Symbol			Seasonal space heating	Зуппоот	value		
Rated heat output (*)	P <sub>rated</sub>	7	kW	energy efficiency	η <sub>s</sub> .	185	%	
Declared capacity for heati	•			Declared coefficient of perform			•	
temperature 20 °C and		temperat	J	load at indoor temperature		or temper	J	
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 <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6.97	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.42	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.24	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.72	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	$P_{dh}$	6.97	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%	
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	6.97	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%	
For air-to-water heat pumps: $T_j = -15 \degree C \text{ (if TOL } < -20 \degree C)$	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:	TOL	-25	°C	
•	517		_	Operation limit temperature	_			
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	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		<u>-</u>		
Standby mode	P <sub>SB</sub>	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	_	4821	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q <sub>HE</sub>	1675	kWhor GJ					
For heat pump combination h		es	<u>.                                      </u>					
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	140.3	%	
Daily electricity consumption	Q <sub>elec</sub>	3.72	kWh	Annual electricity consumption	AEC	729.73	kWh	
, , , , , , , , , , , , , , , , , , , ,	-0.00			the state of the s				
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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	_		
$[\sup(I_j). (**)]$ If $C_{dh}$ is not determ	ined by r	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570295	