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Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW162HVGH	A / HU162WAH	łΥΑ			
Air-to-water heat pump:	-				Voc				
	Water-to-water heat pump:				Yes				
Brine-to-water heat pump:				No No					
Low-temperature heat pump:					No				
Equipped with a supplementa	ry hoato	r·			Yes				
Heat pump combination heat	-	1.			No				
					INO				
low- temperature heat pumps	application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall 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		
1.7				Seasonal space heating	-				
Rated heat output (*)	P <sub>rated</sub>	12	kW	energy efficiency	$\eta_{s}$	189	%		
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	outdoor t	temperat	ture T <sub>j</sub>	load at indoor temperature 2					
T <sub>j</sub> = - 7 °C	$P_{dh}$	10.50	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.28	– or%		
$T_j = + 2 {}^{\circ}\text{C}$	$P_{\sf dh}$	6.43	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.50	– or%		
T <sub>j</sub> = + 7 °C	$P_{dh}$	4.20	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.93	– or%		
T <sub>j</sub> = + 12 °C	$P_{dh}$	5.76	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.42	– or%		
$T_j$ = bivalent temperature	$P_{dh}$	10.50	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.28	– or%		
T <sub>j</sub> = operation limit temperature	$P_{dh}$	8.98	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.23	– 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			L		
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	3.02	kW		
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input		-	L		
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	_	4023	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	2.752	m³/h		
Annual energy consumption	$Q_{HE}$	5139	kWhor GJ						
For heat pump combination h		'A							
Declared load profile		_		Water heating energy efficiency	$\eta_{wh}$	135	%		
Daily electricity consumption	Q <sub>elec</sub>	3.76	kWh	Annual electricity consumption	AEC	725	kWh		
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.								
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	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570297		

Model(s): [information identify	ing the r	nodal(e)	to which the						
information relates]	my ule l	110061(5)	WIIICH LITE	AW162HVGHA / HU162F20AHYA					
Air-to-water heat pump:					Yes				
Water-to-water heat pump:				No Yes					
Brine-to-water heat pump:				No No					
Low-temperature heat pump:					No				
Equipped with a supplementa	ırv heate	r:			Yes				
Heat pump combination heat	-	••			Yes				
Parameters shall be declared		ium-tom	naratura		. 00				
application, except for low-ter	nperatur	e heat p	umps. For	Low-temperature application					
low- temperature heat pumps			ıll be	2011 tomperature application					
declared for low-temperature									
Parameters shall be declared	for aver	age, col	der and	Average climate conditions					
warmer climate conditions.	I								
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P <sub>rated</sub> 12 kW			Seasonal space heating energy efficiency	$\eta_{s}$	189	%		
Declared capacity for heat	ng for pa	art 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			•		
 T <sub>j</sub> = − 7 °C	$P_{dh}$	10.50	kW	$T_j = -7  ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	3.28	– or%		
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	6.43	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.50	– or%		
T <sub>j</sub> = + 7 °C	$P_{dh}$	4.20	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.93	– or%		
T <sub>j</sub> = + 12 °C	$P_{dh}$	5.76	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.42	– or%		
T <sub>j</sub> = bivalent temperature	$P_{dh}$	10.50	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.28	– or%		
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	8.98	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.23	– 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 <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 (*)	$P_{\text{sup}}$	3.02	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	1,7, 1, 2, 3, 3, 1, 5, 3, 5, 3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,					
Crankcase heater mode	P <sub>CK</sub>	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>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.752	m³/h		
Annual energy consumption	Q <sub>HE</sub>	5139	kWhor GJ						
For heat pump combination h	eater: Ye	es	<u> </u>						
Declared load profile		L		Water heating energy efficiency	$\eta_{wh}$	135	%		
Daily electricity consumption	Q <sub>elec</sub>	3.76	kWh	Annual electricity consumption	AEC	725	kWh		
Contact details	Haier in			Lectric Co., Ltd.  Qianwangang Road ,Qingdao Ec	co-tech Develop	ment Zon	e ,Qingdao		
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	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570297		

Model(s): [information identify	ing the r	nodel(s)	to which the					
information relates]	ing tile f	110061(2)	to willon the	AW162HVGHA / HU162WAHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No Yes				
Brine-to-water heat pump:				No No				
Low-temperature heat pump:				<u>†</u>	No			
Equipped with a supplementa	rv heate	r:			Yes			
Heat pump combination heat	-			<u> </u>	No			
Parameters shall be declared		ium-tom	nerature		.10			
application, except for low-ter	nperatur	e heat p	umps. For	Medium-temperature application	n			
low- temperature heat pumps			ıll be					
declared for low-temperature								
Parameters shall be declared	for aver	age, col	der and	Average climate conditions				
warmer climate conditions.	1	17.1	I 11.24 I			17.1	11.2	
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub> 9.3 kW			Seasonal space heating energy efficiency	$\eta_{s}$	151	%	
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	outdoor t	temperat	ture T <sub>j</sub>	load at indoor temperature 2		or temper	ature T <sub>j</sub>	
T <sub>j</sub> = − 7 °C	$P_{dh}$	8.18	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.32	– or%	
T <sub>j</sub> = + 2 °C	$P_{dh}$	4.93	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.73	– or%	
$T_j = + 7 ^{\circ}C$	$P_{dh}$	3.26	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.50	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	5.37	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.65	– or%	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.18	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.32	– or%	
T <sub>j</sub> = operation limit temperature	$P_{dh}$	9.20	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.85	– or%	
For air-to-water heat pumps: $T_j = -15$ °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 <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 (*)	$P_{sup}$	0.10	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-5/	-		
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	$L_{WA}$	42/69	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	$Q_{HE}$	4991	kWhor GJ					
For heat pump combination h		/A	<u> </u>					
Declared load profile		_		Water heating energy efficiency	$\eta_{wh}$	135	%	
Daily electricity consumption	Q <sub>elec</sub>	3.76	kWh	Annual electricity consumption	AEC	725	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 <sub>sup</sub> is equal to the supp default degradation coefficient is	olementary capa			
$Sup(1j)$ . ( ) If $C_{dh}$ is not determ	med by f	neasurer	nent then the	default degradation coefficient is	C <sub>dh</sub> – 0,9.		150570297	

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Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW162HVGHA / HU162F20AHYA				
Air-to-water heat pump:				Voc				
				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 heate	er:				Yes			
Parameters shall be declared	for med	ium-tem	perature					
application, except for low-ter	nperatur	e heat p	umps. For	Medium-temperature application	2			
low- temperature heat pumps	, parame	eters sha	all be	Intediant-temperature application	11			
declared for low-temperature	applicati	on.						
Parameters shall be declared	for aver	age, col	der and	A				
warmer climate conditions.				Average climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	9.3	kW	Seasonal space heating energy efficiency	$\eta_{s}$	151	%	
Declared capacity for heati	na for n	art load a	at indoor	Declared coefficient of perform	ance or primary	eneray rat	tio for part	
temperature 20 °C and o				load at indoor temperature 2	•		•	
$T_i = -7  ^{\circ}\text{C}$		•	,	$T_i = -7  ^{\circ}\text{C}$				
$T_j = -7 \text{ °C}$ $T_i = +2 \text{ °C}$	P <sub>dh</sub>	8.18 4.93	kW kW	$I_j = -7 ^{\circ}\text{C}$ $T_i = +2 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	2.32 3.73	– or% – or%	
$T_i = +7 ^{\circ}\text{C}$				$T_i = + 7 ^{\circ}\text{C}$				
$T_j = + 7  ^{\circ}C$ $T_i = + 12  ^{\circ}C$	P <sub>dh</sub>	3.26	kW	$I_j = + 7 ° C$ $T_i = + 12 ° C$	COP or PER	5.50	– or%	
,,	P <sub>dh</sub>	5.37	kW	J	COP or PER	6.65	– or%	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	8.18	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.32	– or%	
T <sub>j</sub> = operation limit temperature	$P_{dh}$	9.20	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.85	– or%	
For air-to-water heat pumps: $T_j = -15$ °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 (*)	$P_{sup}$	0.10	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	sap	-		
Standby mode	P <sub>SB</sub>	0.018	kW	, <u> </u>				
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	_	4821	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/69	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	$Q_{HE}$	4991	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>	3.76	kWh	Annual electricity consumption	AEC	725	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 $P_{sup}$ is equal to the supp default degradation coefficient is	olementary capa			
•	-			-			150570297	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW162HVGH	A / HU162WAF	HYA			
information relates]				AW162HVGHA / HU162WAHYA					
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 heate	er:				No				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter low- temperature heat pumps declared for low-temperature	, parame	ters sha	•	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>	12	kW	Seasonal space heating	η <sub>s</sub>	151	%		
, , ,				energy efficiency	•				
Declared capacity for heati	•			Declared coefficient of perform	•		-		
temperature 20 °C and o			, ,	load at indoor temperature 2					
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.33	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>	3.77	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>	4.26	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.00	– or%		
$T_j = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	4.90	kW	$T_j = + 12 ^{\circ}\text{C}$	COP or PER	9.00	– or%		
T <sub>j</sub> = bivalent temperature	$P_{dh}$	9.87	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.15	– or%		
$T_j$ = operation limit temperature	$P_{dh}$	8.69	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.69	– or%		
For air-to-water heat pumps:	$P_{dh}$	9.87	kW	For air-to-water heat pumps: T <sub>j</sub>	COP <sub>d</sub> or PER <sub>d</sub>	2.15	– or%		
$T_j = -15 \text{ °C (if TOL < } -20 \text{ °C)}$	r dh	9.01	KVV	= - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> OI PEN <sub>d</sub>	2.10	- OI 76		
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 (*)	$P_{sup}$	3.31	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		4023	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	2.752	m³/h		
Annual energy consumption	Q <sub>HE</sub>	4868	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	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 r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570297		

	Model(s): [information identifying the model(s) to which the				AW162HVGHA / HU162F20AHYA			
information relates]								
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 heate					Yes			
Parameters shall be declared			•					
application, except for low-ter				Low-temperature application				
low- temperature heat pumps, parameters shall be declared for low-temperature application.								
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	ltem	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	12	kW	Seasonal space heating energy efficiency	$\eta_{s}$	151	%	
Declared capacity for heati	ng for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	io for part	
temperature 20 °C and	outdoor	temperat	ture T <sub>j</sub>	load at indoor temperature a	20 °C and outdo	or tempera	ature T <sub>j</sub>	
T <sub>j</sub> = - 7 °C	$P_{dh}$	7.33	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	$P_{dh}$	3.77	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	$P_{dh}$	4.26	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	$P_{dh}$	4.90	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	9.87	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.15	– or%	
$T_j$ = operation limit temperature	$P_{dh}$	8.69	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.69	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	P <sub>dh</sub>	9.87	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.15	– 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 (*)	$P_{sup}$	3.31	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input		<u>-</u>		
Standby mode	$P_{SB}$	0.018	kW					
Crankcase heater mode	$P_{CK}$	0	kW					
Other items	1					-		
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>	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.752	m³/h	
Annual energy consumption	Q <sub>HE</sub>	4868	kWhor GJ					
For heat pump combination h	eater: Ye	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	
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 <sub>sup</sub> is equal to the supp	olementary capa	_		
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570297	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW162HVGH	A / HU162WAF	IYA		
information relates]				AW162HVGHA / HU162WAHYA				
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 heate	er:				No			
Parameters shall be declared					_			
application, except for low-ter	•		•	Medium-temperature application	n			
low- temperature heat pumps			ıll be	Wedidin temperature application				
declared for low-temperature								
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>	9.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	128	%	
Declared capacity for heati	ng for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part	
temperature 20 °C and o	•			load at indoor temperature 2			•	
T <sub>i</sub> = - 7 °C	$P_{dh}$	5.72	kW	T <sub>i</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.63	– or%	
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.40	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.58	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.16	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.16	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	4.89	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.33	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	7.73	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.94	– or%	
$T_j$ = operation limit temperature	$P_{dh}$	9.47	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.46	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	$P_{dh}$	7.73	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	1.94	– 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 (*)	$P_{sup}$	0.03	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	1			
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>	42/69	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 <sub>HE</sub>	4535	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	Qingdao Haier Air Conditioner Electric Co., Ltd. Haier industrial Park,No.236,Qianwangang Road ,Qingdao Eco-tech Development Zone ,Qingda , 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	_		
$\sup(I_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570297	

, , -	el(s): [information identifying the model(s) to which the				AW162HVGHA / HU162F20AHYA				
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	ry heate	r:			Yes				
Heat pump combination heat	er:				Yes				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter low- temperature heat pumps declared for low-temperature	, parame	ters sha	•	Medium-temperature application	n				
Parameters shall be declared warmer climate conditions.			der and	Cold climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
1.7	Зуппоот			Seasonal space heating	Зуппоот	value			
Rated heat output (*)	$P_{rated}$	9.5	kW	energy efficiency	$\eta_{s}$	128	%		
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 of				load at indoor temperature 2			•		
$T_i = -7  ^{\circ}\text{C}$	P <sub>dh</sub>	5.72	kW	$T_i = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	2.63	– or%		
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.40	kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.58	– or%		
T <sub>i</sub> = + 7 °C	P <sub>dh</sub>	4.16	kW	$T_i = +7 °C$	COP <sub>d</sub> or PER <sub>d</sub>	5.16	– or%		
$T_j = + 7 \text{ C}$ $T_i = + 12 \text{ °C}$	P <sub>dh</sub>	4.16	kW	$T_{i} = + 7 \text{ C}$ $T_{i} = + 12 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	7.33	– or%		
$T_i$ = bivalent temperature				$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>				
	P <sub>dh</sub>	7.73	kW	ij – bivalent temperature	COP <sub>d</sub> OI PEN <sub>d</sub>	1.94	– or%		
$T_j$ = operation limit temperature	P <sub>dh</sub>	9.47	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.46	– or%		
For air-to-water heat pumps: $T_j = -15  ^{\circ}\text{C}  (\text{if TOL} < -20  ^{\circ}\text{C})$	$P_{dh}$	7.73	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	1.94	– 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	$P_{cych}$	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		an activ	e mode	Supplementary heater: N/A					
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.03	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	_	4821	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/69	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	$Q_{HE}$	4535	kWhor GJ						
For heat pump combination h			1			<u>i</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		
Contact details	er Electric Co., Ltd. Qianwangang Road ,Qingdao Ec	o-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 <sub>sup</sub> is equal to the supp default degradation coefficient is	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	AW162HVGH	IA / HI I162WAF			
information relates]				AW162HVGHA / HU162WAHYA				
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 heate	er:				No			
Parameters shall be declared	for med	ium-tem	perature					
application, except for low-ter low- temperature heat pumps				Low-temperature application				
declared 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>	12	kW	Seasonal space heating energy efficiency	$\eta_{s}$	253	%	
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	•			load at indoor temperature			•	
T <sub>i</sub> = - 7 °C	$P_{dh}$	/	kW	T <sub>i</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	11.95	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.12	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	7.82	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.34	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	5.04	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.73	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	11.95	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.12	– or%	
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	11.95	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.12	– or%	
For air-to-water heat pumps:	р	NI/A	L\\/	For air-to-water heat pumps: T <sub>j</sub>	COD or DED	NI/A	or <sup>0</sup> /	
$T_j = -15 \text{ °C (if TOL < } -20 \text{ °C)}$	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: 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 <sub>CK</sub>	0	kW					
Other items	1							
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>	42/60	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.752	m³/h	
Annual energy consumption	Q <sub>HE</sub>	2130	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	Annual electricity consumption	AEC	_	kWh	
	Oinada	Laise f	\ir Condition =	or Floatric Co. 1 td				
Contact details	Haier in , 26655	dustrial 5,China	Park,No.236,	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 <sub>sup</sub> is equal to the supp	plementary capa			
$\sup(1_j)$ . (^^) If $C_{dh}$ is not determ	inea by r	neasurer	nent then the	default degradation coefficient is	C <sub>dh</sub> = 0,9.	0	150570297	

	Model(s): [information identifying the model(s) to which the				AW162HVGHA / HU162F20AHYA			
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: Equipped with a supplementa	ry boato	r·			No Yes			
Heat pump combination heat		1.			Yes			
Parameters shall be declared		ium tom	poraturo		163			
application, except for low-ter low- temperature heat pumps	nperatur , parame	e heat p	umps. For	Low-temperature application				
declared for low-temperature application.  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> 12 kW			Seasonal space heating energy efficiency	$\eta_{s}$	253	%	
Declared capacity for heati				Declared coefficient of perform		٠,	•	
temperature 20 °C and		temperat	J	load at indoor temperature 2		or temper		
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%	
$T_j = + 2 ^{\circ}\text{C}$ $T_i = + 7 ^{\circ}\text{C}$	P <sub>dh</sub>	11.95	kW	$T_j = + 2 ^{\circ}\text{C}$ $T_i = + 7 ^{\circ}\text{C}$	COP or PER	4.12	– or%	
$T_j = + 7 ° C$ $T_i = + 12 ° C$	P <sub>dh</sub>	7.82 5.04	kW kW	$I_j = + 7 °C$ $T_i = + 12 °C$	COP <sub>d</sub> or PER <sub>d</sub>	6.34 7.73	– or% – or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	11.95	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.12	– or%	
$T_i$ = operation limit				,				
temperature	P <sub>dh</sub>	11.95	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.12	– 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 <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	<u> </u>				
Other items  Capacity control		Variab	ole	For air-to-water heat pumps:	_	4023	m³/h	
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/60	dB(A)	Rated air flow rate, outdoors  For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.752	m³/h	
Annual energy consumption	$Q_{HE}$	2130	kWhor GJ					
For heat pump combination h	eater: Ye	es						
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	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.  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 default degradation coefficient is	olementary capa	_		
$\sup(T_j)$ . ("") If $C_{dh}$ is not determ	med by f	neasurer	nent then the	default degradation coefficient is	C <sub>dh</sub> = 0,9.	0	150570297	

Model(s): [information identify information relates]	del(s): [information identifying the model(s) to which the				AW162HVGHA / HU162WAHYA				
Air-to-water heat pump:									
	Water-to-water heat pump:				Yes				
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.			No				
		: 4 aa			INO				
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									
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>	9.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	176	%		
Declared capacity for heati	ng for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	io for part		
temperature 20 °C and o				load at indoor temperature 2	20 °C and outdo	or temper	ature T <sub>i</sub>		
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>	9.58	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.61	– or%		
$T_j = +7 ^{\circ}\text{C}$	$P_{dh}$	6.24	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.99	– or%		
T <sub>j</sub> = + 12 °C	$P_{dh}$	4.78	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.10	– or%		
$T_j$ = bivalent temperature	$P_{dh}$	9.58	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.61	– or%		
$T_j$ = operation limit temperature	$P_{dh}$	9.58	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.61	– 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			<u> </u>		
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 <sub>CK</sub>	0	kW						
Other items	1								
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>	42/67	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 <sub>HE</sub>	2417	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	Annual electricity consumption	AEC	_	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	_			
$[\sup(I_j). (**)]$ If $C_{dh}$ is not determ	ined by r	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570297		

Model(s): [information identify	ing the r	nodel(s)	to which the	AW162HVGHA	A / HU162F20A	HYA		
information relates]				AW162HVGHA / HU162F20AHYA				
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 heate	er:				Yes			
Parameters shall be declared for medium-temperature								
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 warmer climate conditions.				Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	9.5	kW	Seasonal space heating	η <sub>s</sub>	176	%	
				energy efficiency	•			
Declared capacity for heati	ng for pa	art load a	nt indoor	Declared coefficient of perform			-	
temperature 20 °C and o		temperat	,	load at indoor temperature 2		or tempera	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	$P_{dh}$	9.58	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.61	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.24	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.99	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.78	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.10	– or%	
T <sub>j</sub> = bivalent temperature	$P_{dh}$	9.58	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.61	– or%	
$T_j$ = operation limit temperature	$P_{dh}$	9.58	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.61	– or%	
For air-to-water heat pumps: $T_i = -15$ °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>	2	°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 (*)	$P_{sup}$	-	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 <sub>CK</sub>	0	kW					
Other items	1							
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>	42/67	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 <sub>HE</sub>	2417	kWhor GJ					
For heat pump combination h	ı	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	
Contact details	Haier in , 26655	dustrial 5,China	Park,No.236,	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	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570297	