

## 

Mandal/a). Einfannation identifi	th		An industrials the s	1				
Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW142HVGH	A / HU162WAH	łΥΑ		
Air-to-water heat pump:				Yes				
Water-to-water heat pump:								
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			
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	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	Зуппоот	value		
Rated heat output (*)	P <sub>rated</sub>	8.5	kW	energy efficiency	$\eta_{s}$	189	%	
Declared capacity for heat				Declared coefficient of perform				
temperature 20 °C and			,	load at indoor temperature 2		•	,	
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	7.48	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.12	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.59	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.64	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.98	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.75	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	5.08	kW	T <sub>j</sub> = + 12 °C	COP or PER	8.39	– or%	
T <sub>j</sub> = bivalent temperature	$P_{dh}$	7.48	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.12	– or%	
T <sub>j</sub> = operation limit temperature	$P_{dh}$	6.26	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.17	– 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 (*)	$P_{sup}$	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 <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	$L_{WA}$	42/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.408	m³/h	
Annual energy consumption	Q <sub>HE</sub>	3662	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	
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 default degradation coefficient is	olementary capa	_		
$\sup(T_j)$ . (^^) If $C_{dh}$ is not determ	inea by r	neasurer	ment then the	default degradation coefficient is	C <sub>dh</sub> = 0,9.		150570296	

				1				
Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW142HVGHA / HU162F20AHYA				
Air-to-water heat pump:				Yes				
Water-to-water heat pump:					No			
Brine-to-water heat pump:				No No				
Low-temperature heat pump:	m.   = = 4 ·	<b>.</b> .		<del> </del>	No			
Equipped with a supplementa	-	r:			Yes			
Heat pump combination heate				1	Yes			
Parameters shall be declared								
application, except for low-ter				Low-temperature application				
low- temperature heat pumps			ıll be	Low temperature application				
declared for low-temperature	applicati	on.						
Parameters shall be declared	for aver	age, col	der and	Average climate conditions				
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	$\eta_{s}$	189	%	
Declared capacity for boat	na for n	ort lood s	t indoor		ance or primary	on oray rat	io for part	
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>	7.48	kW	T <sub>j</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.12	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.59	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.64	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.98	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.75	– or%	
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	5.08	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.39	– or%	
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.48	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.12	– or%	
$T_j$ = operation limit temperature	$P_{dh}$	6.26	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.17	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%	
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%	
Degradation co- efficient (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	2.24	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	зар	-		
Standby mode	P <sub>SB</sub>	0.018	kW	71				
Crankcase heater mode	P <sub>CK</sub>	0	kW					
Other items	- CIX			•				
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>	42/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.408	m³/h	
Annual energy consumption	$Q_{HE}$	3662	kWhor GJ					
For heat pump combination h		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	
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 supplementa	heaters, the rated heat output Pra ary heater $P_{sup}$ is equal to the supp default degradation coefficient is	olementary capa			
				<del>-</del>			150570296	

Model(s): [information identify	ing the r	nodol(c)	to which the	1				
information relates	ing the r	nouei(s)	to which the	AW142HVGHA / 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:					No			
Equipped with a supplementa	rv heate	r·			Yes			
Heat pump combination heat	-				No			
Parameters shall be declared		ium tom	poraturo		140			
application, except for low-ter low- temperature heat pumps	application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-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	$\eta_s$	150	%	
Doclared capacity for heat	na for na	rt load a	t indoor		anco or primarı	onorgy rat	io for part	
Declared capacity for heati 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	$T_i = -7  ^{\circ}\text{C}$	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	$T_j = -7$ C $T_i = +2$ °C	COP <sub>d</sub> or PER <sub>d</sub>	3.69	– 01% – or%	
$T_i = +7 \text{ °C}$	P <sub>dh</sub>	2.38	kW	$T_i = +7 ^{\circ}\text{C}$	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>	6.76	– 01% – 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	– 01% – or%	
$T_i = operation limit$	r dh	5.96	K V V	ij – bivalent temperature	COP <sub>d</sub> OI FLIX <sub>d</sub>	2.30	- 01 /6	
temperature	P <sub>dh</sub>	6.74	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.64	– 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 (*)	$P_{sup}$	0.06	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	3uρ	-		
Standby mode	P <sub>SB</sub>	0.018	kW	71				
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>	42/67	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.505	m³/h	
Annual energy consumption	$Q_{HE}$	3669	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	Annual electricity consumption	AEC	_	kWh	
Contact details	Haier in			r 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 supplementa	heaters, the rated heat output Pra ary heater P <sub>sup</sub> is equal to the supp default degradation coefficient is	olementary capa	_		
$\sup(\tau_j)$ . ( ) if $C_{dh}$ is not determ	mieu by f	neasurer	nent then the	default degradation coefficient is	C <sub>dh</sub> – 0,9.		150570296	

				1				
Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW142HVGHA	A / HU162F20A	HYA		
Air-to-water heat pump:				Yes				
· · · ·	Water-to-water heat pump:				No			
Brine-to-water heat pump:				No No				
Low-temperature heat pump:	m. b = = 4 :			<del> </del>	No			
Equipped with a supplementa		r:			Yes			
Heat pump combination heate				1	Yes			
Parameters shall be declared								
application, except for low-ter				Medium-temperature application	n			
low- temperature heat pumps			all be	Wiedlam temperature application				
declared for low-temperature	applicati	on.						
Parameters shall be declared	for aver	age, col	der and	Average climate conditions				
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	$\eta_{\rm s}$	150	%	
Declared capacity for heati	na for na	ert load a	at indoor	Declared coefficient of perform	ance or primary	energy rat	io for part	
temperature 20 °C and				load at indoor temperature 2			•	
$T_i = -7  ^{\circ}\text{C}$	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%	
$T_{i} = -7 \text{ C}$ $T_{i} = +2 \text{ °C}$	P <sub>dh</sub>	3.67	kW	$T_j = -7$ C $T_i = +2$ °C	COP <sub>d</sub> or PER <sub>d</sub>	3.69	– 01% – or%	
$T_i = +2 \text{ C}$ $T_i = +7 \text{ °C}$		2.38	kW	$T_j = + 2 \text{ C}$ $T_i = + 7 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	5.46	– or%	
T <sub>i</sub> = + 7 °C	P <sub>dh</sub>	4.79	kW	$T_{i} = + 7 \text{ C}$ $T_{i} = + 12 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	6.76	– or%	
$T_i = + 12$ C $T_i = \text{bivalent temperature}$	P <sub>dh</sub>	5.98	kW	$T_i = bivalent temperature$	COP <sub>d</sub> or PER <sub>d</sub>	2.36	– 01% – or%	
$T_i = \text{operation limit}$	Гdh	5.50	NVV	ij – bivalent temperature	COI d OI FENd	2.30	- UI 70	
temperature	P <sub>dh</sub>	6.74	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.64	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%	
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%	
Degradation co- efficient (**)	$C_{dh}$	0.9	_	Heating water operating limit temperature	WTOL	80	°C	
Power consumption in modes	other th	an activ	e mode	Supplementary heater: N/A				
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	$P_{sup}$	0.06	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	sup	-		
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>	42/67	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.505	m³/h	
Annual energy consumption	$Q_{HE}$	3669	kWhor GJ					
For heat pump combination h		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 supplement	heaters, the rated heat output Pra ary heater $P_{sup}$ is equal to the supp default degradation coefficient is	olementary capa			
<u> </u>							150570296	

Model(s): [information identify	ring the r	nodel(s)	to which the	AW142HVGH	A / HU162WAH	HYA		
information relates] Air-to-water heat pump:								
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 warmer climate conditions.			der and	Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	10.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	151	%	
Dealared area its famback							: - f t	
Declared capacity for heati	•			Declared coefficient of perform			-	
temperature 20 °C and o				load at indoor temperature $T_i = -7 ^{\circ}\text{C}$				
T <sub>j</sub> = - 7 °C T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	6.41	kW	$I_j = -7 ^{\circ}\text{C}$ $T_i = +2 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	3.50	– or%	
$T_i = + 2 \text{ C}$ $T_i = + 7 \text{ °C}$	P <sub>dh</sub>	3.44 4.14	kW kW	T <sub>i</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.20 7.00	– or% – or%	
$T_j = + 7 \text{ C}$ $T_i = + 12 \text{ °C}$	P <sub>dh</sub>	5.02	kW	$T_i = + 7 \text{ C}$ $T_i = + 12 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– 01% – or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	8.46	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.25	– 01 % – or%	
$T_i$ = operation limit				,				
temperature	P <sub>dh</sub>	7.29	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.78	– or%	
For air-to-water heat pumps:	P <sub>dh</sub>	8.46	kW	For air-to-water heat pumps: T <sub>j</sub>	COP <sub>d</sub> or PER <sub>d</sub>	2.25	– or%	
$T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$				= -15 °C (if TOL < -20 °C)				
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 (*)	$P_{sup}$	3.21	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 <sub>WA</sub>	42/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.408	m³/h	
Annual energy consumption	Q <sub>HE</sub>	4229	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	Annual electricity consumption	AEC	_	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	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570296	

Model(s): [information identify	ing the r	model(s)	to which the	AW142HVGHA / 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	_	r:			Yes				
Heat pump combination heate					Yes				
Parameters shall be declared			•						
	application, except for low-temperature heat pumps. For								
low- temperature heat pumps declared for low-temperature			ıll be	Low-temperature application					
Parameters shall be declared warmer climate conditions.	Parameters shall be declared for average, colder and warmer climate conditions.								
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P <sub>rated</sub>	10.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	151	%		
Declared capacity for heati	ing for na	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			•		
$T_i = -7  ^{\circ}\text{C}$	P <sub>dh</sub>	6.41	kW	$T_i = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	3.50	– or%		
T <sub>i</sub> = + 2 °C	P <sub>dh</sub>	3.44	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>	4.14	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>	5.02	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– or%		
$T_j$ = bivalent temperature	P <sub>dh</sub>	8.46	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.25	– or%		
$T_j$ = operation limit temperature	$P_{dh}$	7.29	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.78	– or%		
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	P <sub>dh</sub>	8.46	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.25	– 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 (*)	$P_{\text{sup}}$	3.21	kW		
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	336	-			
Standby mode	$P_{SB}$	0.018	kW						
Crankcase heater mode	P <sub>CK</sub>	0	kW						
Other items									
Capacity control		Variat	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4023	m³/h		
Sound power level, indoors/ outdoors	L <sub>WA</sub>	42/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.408	m³/h		
Annual energy consumption	Q <sub>HE</sub>	4229	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	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	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570296		

Model(s): [information identify	ring the r	nodel(s)	to which the	AW142HVGH	IA / HU162WAH	HYA		
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:			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	•	Medium-temperature application	n			
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>	9.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	127	%	
Declared capacity for heati	na for na	ert load a	t indoor	Declared coefficient of perform	ance or primary	eneray rat	io for part	
temperature 20 °C and o	•			load at indoor temperature 2			-	
$T_i = -7  ^{\circ}\text{C}$	P <sub>dh</sub>	5.76	kW	$T_i = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	2.81	– or%	
$T_i = + 2 ^{\circ}\text{C}$	P <sub>dh</sub>	3.18	kW	$T_i = +2 ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	3.73	– 01 % – or%	
$T_i = +7 ^{\circ}C$	P <sub>dh</sub>	4.03	kW	$T_i = +7 °C$	COP <sub>d</sub> or PER <sub>d</sub>	5.46	– or%	
T <sub>i</sub> = + 12 °C	P <sub>dh</sub>	4.81	kW	T <sub>i</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.93	– or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	6.99	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.08	– or%	
$T_j$ = operation limit	P <sub>dh</sub>	8.48	kW	$T_i$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.52	– or%	
temperature  For air-to-water heat pumps:				For air-to-water heat pumps: T <sub>i</sub>				
$T_j = -15 ^{\circ}\text{C} \text{ (if TOL } < -20 ^{\circ}\text{C)}$	$P_{dh}$	6.99	kW	= - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.08	– 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 (*)	$P_{sup}$	1.02	kW	
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	- Sup	-	IXV V	
Standby mode	P <sub>SB</sub>	0.018	kW	7,				
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	_	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	1.505	m³/h	
Annual energy consumption	Q <sub>HE</sub>	4567	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	
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	olementary capa			
$sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570296	

Model(s): [information identify	ing the r	nodel(s)	to which the	ΔW142HVGH	A / HU162F20A	НУД		
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:			Yes			
Heat pump combination heate					Yes			
Parameters shall be declared			•					
application, except for low-ter				Medium-temperature application	n			
low- temperature heat pumps declared for low-temperature			ill be					
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>	9.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	127	%	
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	•			load at indoor temperature 2			•	
T <sub>j</sub> = - 7 °C	$P_{dh}$	5.76	kW	T <sub>i</sub> = -7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.81	– or%	
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.18	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.73	– or%	
T <sub>j</sub> = + 7 °C	$P_{dh}$	4.03	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.46	– or%	
T <sub>j</sub> = + 12 °C	$P_{dh}$	4.81	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.93	– or%	
$T_j$ = bivalent temperature	$P_{dh}$	6.99	kW	$T_j$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.08	– or%	
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	8.48	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.52	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < $-20$ °C)	$P_{dh}$	6.99	kW	For air-to-water heat pumps: $T_j$ = -15 °C (if TOL < -20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.08	– 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 (*)	$P_{sup}$	1.02	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	I					-		
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>	42/67	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.505	m³/h	
Annual energy consumption	Q <sub>HE</sub>	4567	kWhor GJ					
For heat pump combination h		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	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	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570296	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW142HVGH	A / HU162WAH	HYA		
information relates] Air-to-water heat pump:				AW142HVGHA / 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 warmer climate conditions.			der and	Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P <sub>rated</sub>	10.5	kW	Seasonal space heating	η <sub>s</sub>	257	%	
, ,,				energy efficiency	•			
Declared capacity for heati	•			Declared coefficient of perform				
temperature 20 °C and o		temperat		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 <sub>j</sub> = + 2 °C	P <sub>dh</sub>	10.55	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.97	– or%	
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.76	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.02	– or%	
$T_j = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	4.98	kW	T <sub>j</sub> = + 12 °C	COP or PER	8.53	– or%	
$T_j$ = bivalent temperature $T_i$ = operation limit	$P_{dh}$	10.55	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.97	– or%	
temperature	P <sub>dh</sub>	10.55	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.97	– or%	
For air-to-water heat pumps:	$P_dh$	N/A	kW	For air-to-water heat pumps: T <sub>j</sub>	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%	
$T_j = -15$ °C (if TOL < $-20$ °C)	r dh	IN/A	KVV	= - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> of PEN <sub>d</sub>	IN/A	- OI 76	
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		1	1	
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	_	4023	m³/h	
Sound power level, indoors/ outdoors	$L_{WA}$	42/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.408	m³/h	
Annual energy consumption	Q <sub>HE</sub>	1853	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,	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	olementary capa			
$\sup(T_j)$ . (**) If $C_{dh}$ is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570296	

Model(s): [information identify	ing the r	model(s)	to which the	AW142HVGHA / 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 heat		• •			Yes			
Parameters shall be declared application, except for low-ter low- temperature heat pumps	mperatur	e heat p	umps. For	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>	10.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	257	%	
Declared capacity for heati	•			Declared coefficient of perform		٠,	•	
temperature 20 °C and o		temperat	J	load at indoor temperature 2		or tempera		
$T_j = -7  ^{\circ}\text{C}$ $T_i = +2  ^{\circ}\text{C}$	P <sub>dh</sub>	/	kW	T <sub>j</sub> = − 7 °C T <sub>i</sub> = + 2 °C	COP or PER	2.07	– or%	
$T_j = +2 \text{ C}$ $T_i = +7 \text{ °C}$	P <sub>dh</sub>	10.55 6.76	kW kW	$T_{i} = +2 \text{ C}$ $T_{i} = +7 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	3.97 6.02	– or% – or%	
$T_i = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	4.98	kW	$T_i = + 12 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	8.53	– or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	10.55	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.97	– or%	
$T_i$ = operation limit				,				
temperature	P <sub>dh</sub>	10.55	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.97	– 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 <sub>dh</sub>	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					
Other items	P <sub>CK</sub>	0	kW					
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>	42/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.408	m³/h	
Annual energy consumption	Q <sub>HE</sub>	1853	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	
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	olementary capa	_		
$\sup(I_j)$ . (**) If $C_{dh}$ is not determ	ined by r	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0	150570296	

Model(s): [information identify	ing the r	model(s)	to which the	AW142HVGH	 IA / HU162WAH	HYA		
information relates] Air-to-water heat pump:				AW142HVGHA / 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	eters sha		Medium-temperature application	n			
Parameters shall be declared warmer climate conditions.			der and	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	η <sub>s</sub>	187	%	
Declared capacity for heati	na for na	art load a	nt indoor	Declared coefficient of perform	anco or primary	oporav rat	tio for part	
temperature 20 °C and o	•			load at indoor temperature 2			-	
$T_i = -7  ^{\circ}\text{C}$	P <sub>dh</sub>	/	kW	$T_i = -7 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%	
$T_i = +2 ^{\circ}C$	P <sub>dh</sub>	9.55	kW	$T_i = +2 ^{\circ}C$	COP <sub>d</sub> or PER <sub>d</sub>	2.68	– 01% – or%	
$T_i = +7 ^{\circ}\text{C}$	P <sub>dh</sub>	6.13	kW	$T_i = +7 \text{ °C}$	COP <sub>d</sub> or PER <sub>d</sub>	4.16	– 01 % – or%	
$T_i = + 12 ^{\circ}\text{C}$	P <sub>dh</sub>	4.69	kW	$T_i = + 12 ^{\circ}\text{C}$	COP <sub>d</sub> or PER <sub>d</sub>	6.59	– or%	
$T_i$ = bivalent temperature	P <sub>dh</sub>	9.55	kW	$T_i$ = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.68	– or%	
$T_i$ = operation limit								
temperature	P <sub>dh</sub>	9.55	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.68	– or%	
For air-to-water heat pumps:	<b>D</b>	NI/A	1.307	For air-to-water heat pumps: T <sub>i</sub>	COD DED	N1/A	0/	
$T_j = -15 \text{ °C (if TOL < } -20 \text{ °C)}$	$P_{dh}$	N/A	kW	= - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%	
Bivalent temperature	$T_biv$	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								
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	1.505	m³/h	
Annual energy consumption	Q <sub>HE</sub>	2280	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,	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	150570296	

Model(s): [information identify	ing the r	nodel(s)	to which the	ΔW142HVGH/	Δ / HI 1162F20Δ	<u></u> μνδ			
information relates]				AW142HVGHA / 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 heat	er:				Yes				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter				Medium-temperature application	n				
low- temperature heat pumps declared for low-temperature			ıll be	inculant temperature application	1				
Parameters shall be declared for average, colder and				Warm climate conditions					
warmer climate conditions.	ا ما جامعا	Malua		lto-m	av mala al	Value	I limit		
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P <sub>rated</sub>	9.5	kW	Seasonal space heating energy efficiency	$\eta_{s}$	187	%		
Declared capacity for heat				Declared coefficient of perform		٠,	•		
temperature 20 °C and		temperat	J	load at indoor temperature 2		or temper			
T <sub>j</sub> = − 7 °C	$P_{dh}$	/	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%		
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	9.55	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.68	– or%		
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	6.13	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.16	– or%		
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.69	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.59	– or%		
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	9.55	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.68	– or%		
$T_j$ = operation limit temperature	$P_{dh}$	9.55	kW	$T_j$ = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.68	– 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	- 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>	42/67	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.505	m³/h		
Annual energy consumption	Q <sub>HE</sub>	2280	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		
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd.								
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	_			
$\sup(1_j)$ . (^^) If $C_{dh}$ is not determ	inea by r	neasurer	nent then the	default degradation coefficient is	C <sub>dh</sub> = 0,9.	0	150570296		