

Model(s): [information identify	ring the r	nodel(s)	to which the	AW082HUGH	A / HU102WAF	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:	b a a 4 a				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	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 _{rated}	7.2	kW	Seasonal space heating energy efficiency	η _s	205	%	
Declared capacity for heat temperature 20 °C and				Declared coefficient of perform load at indoor temperature 2				
T _j = - 7 °C	P_{dh}	6.34	kW	T _j = - 7 °C	COP _d or PER _d	3.43	– or%	
T _j = + 2 °C	P_{dh}	3.89	kW	T _j = + 2 °C	COP _d or PER _d	5.01	– or%	
T _j = + 7 °C	P_{dh}	2.52	kW	T _j = + 7 °C	COP _d or PER _d	6.88	– or%	
T _j = + 12 °C	P _{dh}	3.56	kW	T _j = + 12 °C	COP _d or PER _d	8.83	– or%	
T _j = bivalent temperature	P _{dh}	6.34	kW	T_j = bivalent temperature	COP _d or PER _d	3.43	– or%	
T _j = operation limit temperature	P _{dh}	7.11	kW	T_j = operation limit temperature	COP _d or PER _d	2.34	– 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 _d or PER _d	N/A	– or%	
Bivalent temperature	T _{biv}	-7	°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 _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.09	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 Capacity control	Fixed	d	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/59	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.376	m³/h	
Annual energy consumption	Q_{HE}	2866	kWhor GJ					
For heat pump combination h	eater: N	/A						
Declared load profile				Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	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 supplementa	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa	_		
$\sup(1_j)$. (^^) If C_{dh} is not determ	inea by r	neasurei	nent then the	default degradation coefficient is	C _{dh} = 0,9.		150570293	

	Model(s): [information identifying the model(s) to which the information relates]				AW082HUGHA / HU102F20AHYA				
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				
		: 4 a			163				
Parameters shall be declared application, except for low-ter	nperatur	e heat p	umps. For	Low-temperature application					
low- temperature heat pumps, parameters shall be declared for low-temperature application.									
Parameters shall be declared			dorond						
warmer climate conditions.	ioi avei	age, con	uer anu	Average climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
item		value	Offic	Seasonal space heating	Syllibol	value	Offic		
Rated heat output (*)	P _{rated}	7.2	kW	energy efficiency	η_{s}	205	%		
Declared capacity for heat				Declared coefficient of perform			•		
temperature 20 °C and			,	load at indoor temperature 2					
T _j = - 7 °C	P _{dh}	6.34	kW	T _j = -7 °C	COP _d or PER _d	3.43	– or%		
T _j = + 2 °C	P _{dh}	3.89	kW	T _j = + 2 °C	COP _d or PER _d	5.01	– or%		
T _j = + 7 °C	P _{dh}	2.52	kW	T _j = + 7 °C	COP _d or PER _d	6.88	– or%		
T _j = + 12 °C	P _{dh}	3.56	kW	T _j = + 12 °C	COP _d or PER _d	8.83	– or%		
T _j = bivalent temperature	P _{dh}	6.34	kW	T_j = bivalent temperature	COP _d or PER _d	3.43	– or%		
T _j = operation limit temperature	P_{dh}	7.11	kW	T_j = operation limit temperature	COP _d or PER _d	2.34	– 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 _d or PER _d	N/A	– or%		
Bivalent temperature	T _{biv}	-7	°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 _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.09	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									
Capacity control	Fixed	d	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	40/59	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.376	m³/h		
Annual energy consumption	Q_{HE}	2866	kWhor GJ						
For heat pump combination h	eater:Ye	s	•	,					
Declared load profile		L		Water heating energy efficiency	η_{wh}	130	%		
Daily electricity consumption	Q _{elec}	3.71	kWh	Annual electricity consumption	AEC	817	kWh		
Qingdao Haier Air Conditioner Electric Co., Ltd. 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 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	$C_{dh} = 0.9.$		150570203		

Model(s): [information identify	ring the r	nodel(s)	to which the	AW082HIIGH	 Δ / ΗΠ102W/ΔΕ				
information relates]				AW082HUGHA / HU102WAHYA					
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:				No				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter low- temperature heat pumps declared for low-temperature	, parame applicati	eters sha	ıll 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 _{rated}	6	kW	Seasonal space heating energy efficiency	η _s	151	%		
Declared capacity for heat temperature 20 °C and				Declared coefficient of perform load at indoor temperature 2					
T _i = -7 °C	P _{dh}	5.28	kW	$T_i = -7 ^{\circ}C$	COP _d or PER _d	2.48	– or%		
T _i = + 2 °C	P _{dh}	3.24	kW	T _i = + 2 °C	COP _d or PER _d	3.65	– or%		
T _i = + 7 °C	P _{dh}	2.10	kW	T _i = + 7 °C	COP _d or PER _d	5.43	– or%		
T _i = + 12 °C	P _{dh}	3.22	kW	T _j = + 12 °C	COP _d or PER _d	6.70	– or%		
T_j = bivalent temperature	P_{dh}	5.28	kW	T_j = bivalent temperature	COP _d or PER _d	2.48	– or%		
T_j = operation limit temperature	P_{dh}	5.95	kW	T_j = operation limit temperature	COP _d or PER _d	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 _d or PER _d	N/A	– or%		
Bivalent temperature	T _{biv}	-7	°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 _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.05	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	1								
Capacity control	Fixed	d	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h		
Sound power level, indoors/ outdoors	L_{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.860	m³/h		
Annual energy consumption	Q_{HE}	3223	kWhor GJ						
For heat pump combination h	eater: N	/A							
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%		
Daily electricity consumption	Q _{elec}	_	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	measurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570293		

	Model(s): [information identifying the model(s) to which the information relates]				AW082HUGHA / HU102F20AHYA				
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				
					163				
Parameters shall be declared application, except for low-ter low-temperature heat pumps	nperatur	e heat p	umps. For	Medium-temperature application	Medium-temperature application				
	declared for low-temperature application.								
Parameters shall be declared			der and						
warmer climate conditions.		9-,		Average climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	6	kW	Seasonal space heating energy efficiency	η_{s}	151	%		
Declared capacity for heat	ina for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part		
temperature 20 °C and	•			load at indoor temperature 2					
$T_i = -7 ^{\circ}C$	P _{dh} 5.28 kW			$T_i = -7 ^{\circ}C$	COP _d or PER _d	2.48	– or%		
T _i = + 2 °C	P _{dh}	3.24	kW	T _i = + 2 °C	COP _d or PER _d	3.65	– or%		
T _i = + 7 °C	P _{dh}	2.10	kW	T _i = + 7 °C	COP _d or PER _d	5.43	– or%		
T _i = + 12 °C	P _{dh}	3.22	kW	T _i = + 12 °C	COP _d or PER _d	6.70	– or%		
T _i = bivalent temperature	P _{dh}	5.28	kW	T _i = bivalent temperature	COP _d or PER _d	2.48	– or%		
T_j = operation limit temperature	P_{dh}	5.95	kW	T_j = operation limit temperature	COP _d or PER _d	1.85	– or%		
For air-to-water heat pumps: $T_i = -15 ^{\circ}\text{C}$ (if TOL < $-20 ^{\circ}\text{C}$)	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	N/A	– or%		
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C		
Cycling interval capacity for	P _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%		
heating Degradation co- efficient (**)	C _{dh}	0.9	_	Heating water operating limit	WTOL	80	°C		
				temperature		00			
Power consumption in modes				Supplementary heater: N/A					
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.05	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-			
Standby mode	P _{SB}	0.018	kW	ļ					
Crankcase heater mode	P_{CK}	0	kW						
Other items Capacity control	Fixe	d	Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.860	m³/h		
Annual energy consumption	Q_{HE}	3223	kWhor GJ						
For heat pump combination h	eater: Ye	es	!						
Declared load profile		L		Water heating energy efficiency	η_{wh}	130	%		
Daily electricity consumption	Q _{elec}	3.71	kWh	Annual electricity consumption	AEC	817	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	neasurei	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570203		

Model(s): [information identify	ring the r	model(s)	to which the	AW082HUGH	A / HU102WAF	 IYA		
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:					No No			
Low-temperature heat pump:	ry boato	r·			Yes			
Equipped with a supplemental Heat pump combination heat	_	1.			No			
Parameters shall be declared		ium tom	noratura		110			
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				Cold climate conditions				
warmer climate conditions.		_						
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	7.5	kW	Seasonal space heating energy efficiency	η_{s}	163	%	
Declared capacity for heat				Declared coefficient of perform			•	
temperature 20 °C and			,	load at indoor temperature 2				
T _j = - 7 °C	P _{dh}	5.47	kW	T _j = -7 °C	COP _d or PER _d	3.55	– or%	
$T_j = + 2 ^{\circ}\text{C}$ $T_i = + 7 ^{\circ}\text{C}$	P _{dh}	3.44	kW	T _j = + 2 °C	COP or PER	5.00	– or%	
$T_j = + 7 ° C$ $T_i = + 12 ° C$	P _{dh}	4.15 5.03	kW kW	T _j = + 7 °C T _i = + 12 °C	COP _d or PER _d	6.85 9.23	– or% – or%	
T_i = bivalent temperature	P _{dh}	7.38	kW	T_i = bivalent temperature	COP _d or PER _d	2.46	– or%	
T_i = operation limit				,			- OI 70	
temperature	P _{dh}	5.75	kW	T_j = operation limit temperature	COP _d or PER _d	1.85	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	7.38	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.75	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	ı			1				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h	
Sound power level, indoors/ outdoors	L_{WA}	40/59	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.376	m³/h	
Annual energy consumption	Q_{HE}	3430	kWhor GJ					
For heat pump combination h		/A	<u> </u>					
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	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 supplement	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	neasurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570293	

Model(s): [information identify	ing the r	nodel(s)	to which the	V/V/083HI1CH/	\			
information relates]				AW082HUGHA / HU102F20AHYA				
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					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	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	7.5	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	163	%	
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part	
temperature 20 °C and				load at indoor temperature 2		• • •	•	
T _i = - 7 °C	P_{dh}	5.47	kW	T _i = -7 °C	COP _d or PER _d	3.55	– or%	
$T_j = + 2 ^{\circ}C$	P_{dh}	3.44	kW	T _j = + 2 °C	COP _d or PER _d	5.00	– or%	
T _j = + 7 °C	P_{dh}	4.15	kW	T _j = + 7 °C	COP _d or PER _d	6.85	– or%	
T _j = + 12 °C	P _{dh}	5.03	kW	T _j = + 12 °C	COP _d or PER _d	9.23	– or%	
T_j = bivalent temperature	P _{dh}	7.38	kW	T _j = bivalent temperature	COP _d or PER _d	2.46	– or%	
T _j = operation limit temperature	P_{dh}	5.75	kW	T_j = operation limit temperature	COP _d or PER _d	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 _d or PER _d	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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.75	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	1			Te				
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/59	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.376	m³/h	
Annual energy consumption	Q_{HE}	3430	kWhor GJ					
For heat pump combination h		s						
Declared load profile		L		Water heating energy efficiency	η_{wh}	106.82	%	
Daily electricity consumption	Q _{elec}	4.74	kWh	Annual electricity consumption	AEC	958.75	kWh	
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. Contact details 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 _{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	150570293	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW082HUGH	A / HU102WAF	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 heat	er:				No			
Parameters shall be declared								
application, except for low-ter	•		•	Medium-temperature application	n			
	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	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	6	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	126	%	
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	atio for part	
temperature 20 °C and	•			load at indoor temperature 2				
T _i = - 7 °C	P_{dh}	4.29	kW	T _i = - 7 °C	COP _d or PER _d	2.83	– or%	
T _i = + 2 °C	P _{dh}	3.20	kW	T _j = + 2 °C	COP _d or PER _d	3.76	– or%	
T _j = + 7 °C	P_{dh}	4.05	kW	T _j = + 7 °C	COP _d or PER _d	5.52	– or%	
T _j = + 12 °C	P _{dh}	4.84	kW	T _j = + 12 °C	COP _d or PER _d	8.03	– or%	
T_j = bivalent temperature	P_{dh}	5.76	kW	T_j = bivalent temperature	COP _d or PER _d	2.13	– or%	
T_j = operation limit temperature	P _{dh}	4.40	kW	T_j = operation limit temperature	COP _d or PER _d	1.58	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P_{dh}	5.76	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.13	– 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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.60	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								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.860	m³/h	
Annual energy consumption	Q_{HE}	3381	kWhor GJ					
For heat pump combination h		/A	<u> </u>					
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	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 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	$C_{dh} = 0.9.$		150570293	

Model(s): [information identify information relates]	ing the r	nodel(s)	to which the	AW082HUGH/	A / HU102F20A	HYA		
-								
Air-to-water heat pump:				Yes				
Water-to-water heat pump: Brine-to-water heat pump:				No No				
Low-temperature heat pump:					No			
<u> </u>	ru booto	r.			Yes			
Equipped with a supplementa	•	r.						
Heat pump combination heat		. ,			Yes			
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	า			
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 _{rated}	6	kW	Seasonal space heating energy efficiency	η _s	126	%	
Declared capacity for heat temperature 20 °C and				Declared coefficient of perform load at indoor temperature 2				
T _j = - 7 °C	P_{dh}	4.29	kW	T _j = − 7 °C	COP _d or PER _d	2.83	– or%	
T _j = + 2 °C	P _{dh}	3.20	kW	T _j = + 2 °C	COP _d or PER _d	3.76	– or%	
T _j = + 7 °C	P_{dh}	4.05	kW	T _j = + 7 °C	COP _d or PER _d	5.52	– or%	
T _j = + 12 °C	P_{dh}	4.84	kW	T _j = + 12 °C	COP _d or PER _d	8.03	– or%	
T_j = bivalent temperature	P_{dh}	5.76	kW	T_j = bivalent temperature	COP _d or PER _d	2.13	– or%	
T _j = operation limit temperature	P_{dh}	4.40	kW	T_j = operation limit temperature	COP_d or PER_d	1.58	– or%	
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	5.76	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.13	– 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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	1.60	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								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.860	m³/h	
Annual energy consumption	Q_{HE}	3381	kWhor GJ					
For heat pump combination h		s				<u>. </u>		
Declared load profile		L		Water heating energy efficiency	η_{wh}	106.82	%	
Daily electricity consumption	Q _{elec}	4.74	kWh	Annual electricity consumption	AEC	958.75	kWh	
Contact details	Haier in			er Electric Co., Ltd. Qianwangang Road ,Qingdao Ed	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 _{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	150570293	

Model(s): [information identify information relates]	ing the r	model(s)	to which the	AW082HUGH	A / HU102WAH	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	•	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	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 _{rated}	7.5	kW	Seasonal space heating energy efficiency	η_{s}	258	%		
Declared capacity for heat temperature 20 °C and				Declared coefficient of perform load at indoor temperature 2					
T _j = − 7 °C	P_{dh}	/	kW	T _j = -7 °C	COP _d or PER _d	/	– or%		
T _j = + 2 °C	P_{dh}	9.09	kW	T _j = + 2 °C	COP _d or PER _d	4.11	– or%		
T _j = + 7 °C	P_{dh}	5.83	kW	T _j = + 7 °C	COP _d or PER _d	6.12	– or%		
T _j = + 12 °C	P _{dh}	4.99	kW	T _j = + 12 °C	COP _d or PER _d	8.57	– or%		
T _j = bivalent temperature	P _{dh}	9.09	kW	T_j = bivalent temperature	COP _d or PER _d	4.11	– or%		
T _j = operation limit temperature	P _{dh}	9.09	kW	T_j = operation limit temperature	COP _d or PER _d	4.11	– 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 _d or PER _d	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_{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	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	-								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		3028	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	40/59	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.376	m³/h		
Annual energy consumption	Q_{HE}	1579	kWhor GJ						
For heat pump combination h		/A	<u> </u>						
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%		
Daily electricity consumption	Q _{elec}	_	kWh	Annual electricity consumption	AEC	_	kWh		
Contact details	Haier in			er Electric Co., Ltd. Qianwangang Road ,Qingdao Ed	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_{sup} is equal to the supp	olementary capa				
$sup(T_j)$. (**) If C_{dh} is not determ	ined by r	measurer	nent then the	default degradation coefficient is	$C_{dh} = 0.9.$		150570293		

Model(s): [information identify	ing the r	nodel(s)	to which the	AW082HIIGHA	A / HU102F20A	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 heat	er:				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.				Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	7.5	kW	Seasonal space heating energy efficiency	η_{s}	258	%	
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	tio for part	
temperature 20 °C and	outdoor	tempera	ture T _i	load at indoor temperature 2	20 °C and outdo	or temper	ature T _i	
T _j = - 7 °C	P_{dh}	/	kW	$T_j = -7 ^{\circ}C$	COP _d or PER _d	/	– or%	
T _j = + 2 °C	P _{dh}	9.09	kW	T _i = + 2 °C	COP _d or PER _d	4.11	– or%	
T _j = + 7 °C	P_{dh}	5.83	kW	T _j = + 7 °C	COP _d or PER _d	6.12	– or%	
T _j = + 12 °C	P_{dh}	4.99	kW	T _j = + 12 °C	COP _d or PER _d	8.57	– or%	
T_j = bivalent temperature	P_{dh}	9.09	kW	T_j = bivalent temperature	COP _d or PER _d	4.11	– or%	
T_j = operation limit temperature	P _{dh}	9.09	kW	T_j = operation limit temperature	COP _d or PER _d	4.11	– 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 _d or PER _d	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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	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								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3028	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/59	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.376	m³/h	
Annual energy consumption	Q_{HE}	1579	kWhor GJ					
For heat pump combination h		s	<u>. </u>					
Declared load profile		L		Water heating energy efficiency	η_{wh}	134.7	%	
Daily electricity consumption	Q _{elec}	3.76	kWh	Annual electricity consumption	AEC	760.29	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 _{sup} 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	150570293	

Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW082HUGH	A / HU102WAH	ΙΥΑ		
-								
Air-to-water heat pump:				Yes No				
Water-to-water heat pump: Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
	ry boots	r·			Yes			
Equipped with a supplementa	-	I .			No Yes			
Heat pump combination heat		4 · ·	n a u a t : · · · -		INU			
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	Medium-temperature application	n			
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	6	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	185	%	
Declared capacity for heat temperature 20 °C and	• .			Declared coefficient of perform load at indoor temperature 2				
T _j = − 7 °C	P_{dh}	/	kW	T _j = - 7 °C	COP _d or PER _d	/	– or%	
T _j = + 2 °C	P_{dh}	6.97	kW	T _j = + 2 °C	COP _d or PER _d	2.83	– or%	
T _j = + 7 °C	P_{dh}	4.42	kW	T _j = + 7 °C	COP _d or PER _d	4.24	– or%	
T _j = + 12 °C	P _{dh}	4.72	kW	T _j = + 12 °C	COP _d or PER _d	6.68	– or%	
T _j = bivalent temperature	P _{dh}	6.97	kW	T_j = bivalent temperature	COP _d or PER _d	2.83	– or%	
T _j = operation limit temperature	P _{dh}	6.97	kW	T_j = operation limit temperature	COP _d or PER _d	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 _d or PER _d	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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	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								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.860	m³/h	
Annual energy consumption	Q_{HE}	1675	kWhor GJ					
For heat pump combination h		′A	<u>'</u>					
Declared load profile		_		Water heating energy efficiency	η_{wh}	_	%	
Daily electricity consumption	Q _{elec}	_	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	$C_{dh} = 0.9.$	0	150570293	

Model(s): [information identify	ring the r	nodel(s)	to which the	Δ\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\	<u></u> μ∨Δ			
information relates]				AW082HUGHA / HU102F20AHYA					
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, parameters shall be declared for low-temperature application.									
Parameters shall be declared for average, colder and warmer climate conditions.				Warm climate conditions					
Item	symbol	Value	Unit	ltem	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	6	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	185	%		
Declared capacity for heat	ing for p	art load	at indoor	Declared coefficient of perform	ance or primary	energy ra	tio for part		
temperature 20 °C and	outdoor	tempera	ture T _i	load at indoor temperature 2	20 °C and outdo	or temper	ature T _i		
T _j = - 7 °C	P_{dh}	/	kW	$T_j = -7 ^{\circ}C$	COP _d or PER _d	/	– or%		
T _j = + 2 °C	P _{dh}	6.97	kW	T _j = + 2 °C	COP _d or PER _d	2.83	– or%		
T _j = + 7 °C	P_{dh}	4.42	kW	T _j = + 7 °C	COP _d or PER _d	4.24	– or%		
T _j = + 12 °C	P_{dh}	4.72	kW	T _j = + 12 °C	COP _d or PER _d	6.68	– or%		
T_j = bivalent temperature	P_{dh}	6.97	kW	T_j = bivalent temperature	COP _d or PER _d	2.83	– or%		
T_j = operation limit temperature	P _{dh}	6.97	kW	T_j = operation limit temperature	COP _d or PER _d	2.83	– 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 _d or PER _d	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 _{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	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 _{OFF}	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									
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	3429	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	40/64	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.860	m³/h		
Annual energy consumption	Q_{HE}	1675	kWhor GJ						
For heat pump combination h		s	<u> </u>						
Declared load profile		L		Water heating energy efficiency	η_{wh}	134.7	%		
Daily electricity consumption	Q _{elec}	3.76	kWh	Annual electricity consumption	AEC	760.29	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 _{sup} 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	150570293		