

Model(s): [information identify	ring the r	nodel(s)	to which the	AW10	62MXGHA				
information relates]									
Air-to-water heat pump:				Yes					
Water-to-water heat pump:				No					
Brine-to-water heat pump:				No					
Low-temperature heat pump:				No					
Equipped with a supplementa	-	r:			No				
Heat pump combination heat	er:				No				
Parameters shall be declared									
application, except for low-ter				Low-temperature application					
low- temperature heat pumps declared for low-temperature			all be						
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Parameters shall be declared warmer climate conditions.	ioi avei	age, con	uer anu	Average climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	12	kW	Seasonal space heating energy efficiency	η_{s}	189	%		
Declared capacity for heati	na for pa	art load a	t indoor	Declared coefficient of performance or primary energy ratio for part					
temperature 20 °C and	•			load at indoor temperature 2			•		
$T_i = -7 ^{\circ}\text{C}$	P _{dh}	10.50	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	3.28	– or%		
T _i = + 2 °C	P _{dh}	6.43	kW	T _i = + 2 °C	COP _d or PER _d	4.50	– or%		
T _i = + 7 °C	P _{dh}	4.20	kW	T _i = + 7 °C	COP _d or PER _d	6.93	– or%		
T _i = + 12 °C	P _{dh}	5.76	kW	T _i = + 12 °C	COP _d or PER _d	8.42	– or%		
T _i = bivalent temperature	P _{dh}	10.50	kW	T _i = bivalent temperature	COP _d or PER _d	3.28	– or%		
T_j = operation limit temperature	P _{dh}	8.98	kW	T_j = operation limit temperature	COP _d or PER _d	2.23	– or%		
For air-to-water heat pumps:	P _{dh}	N/A	kW	For air-to-water heat pumps: T _j	COP _d or PER _d	N/A	– or%		
$T_j = -15 \text{ °C (if TOL < } -20 \text{ °C)}$	<u></u>			= - 15 °C (if TOL < - 20 °C)	u u				
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}	3.02	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	I		1						
Capacity control		Variat	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		4023	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	-/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				•					
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Qingdao Haier Air Conditioner Electric Co., Ltd. Contact details Haier industrial Park,No.236,Qianwangang Road ,Qingdao Eco-tech Development Zone ,Qingdao , 266555,China									
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater P _{sup} is equal to the supplementary capacity for heating									
$\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.									

Model(s): [information identify	ving the r	nodel(s)	to which the	AW10	62MXGHA				
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 No					
Equipped with a supplementa	•	r:			No				
Heat pump combination heat					No				
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	mperatur , parame	e heat p eters sha	umps. For	Medium-temperature application					
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Average climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	9.3	kW	Seasonal space heating energy efficiency	η_{s}	151	%		
Declared capacity for heat	ing 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 a			-		
T _j = - 7 °C	P_{dh}	8.18	kW	T _j = -7 °C	COP _d or PER _d	2.32	– or%		
T _j = + 2 °C	P _{dh}	4.93	kW	T _j = + 2 °C	COP _d or PER _d	3.73	– or%		
T _i = + 7 °C	P_{dh}	3.26	kW	T _j = + 7 °C	COP _d or PER _d	5.50	– or%		
T _j = + 12 °C	P _{dh}	5.37	kW	T _j = + 12 °C	COP _d or PER _d	6.65	– or%		
T _j = bivalent temperature	P _{dh}	8.18	kW	T_j = bivalent temperature	COP _d or PER _d	2.32	– or%		
T_j = operation limit temperature	P _{dh}	9.20	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}	0.10	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	Jup	-			
Standby mode	P _{SB}	0.018	kW	5. 57					
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}	-/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	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh		
Annual electricity consumption		-	kWh	Annual fuel consumption	AFC	-	GJ		
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heating Pdesignh, and the rate	d heat o	utput of	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp	olementary capa				
$\sup(T_j)$. (**) 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	A10/4	COMYOLIA				
information relates]				AW162MXGHA					
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:			No				
Heat pump combination heat	-				No				
Parameters shall be declared		ium-tem	perature						
application, except for low-ter									
low- temperature heat pumps	•		•	Low-temperature application					
declared for low-temperature	applicati	on.							
Parameters shall be declared	for aver	age, col	der and	Cald disease and distance					
warmer climate conditions.				Cold climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	12.00	kW	Seasonal space heating energy efficiency	η_{s}	151	%		
Declared capacity for heat	na 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			•		
$T_i = -7 ^{\circ}\text{C}$	P _{dh}	7.33	kW	$T_j = -7 ^{\circ}\text{C}$ $COP_d \text{ or } PER_d$ 3.50 $-\text{ or}\%$					
T _i = + 2 °C	P _{dh}	3.77	kW	T _i = + 2 °C	COP _d or PER _d	4.20	– or%		
T _i = + 7 °C	P _{dh}	4.26	kW	T _i = + 7 °C	COP _d or PER _d	7.00	– or%		
T _i = + 12 °C	P _{dh}	4.90	kW	T _i = + 12 °C	COP _d or PER _d	9.00	– or%		
T_j = bivalent temperature	P_{dh}	9.87	kW	T_j = bivalent temperature	COP _d or PER _d	2.15	– or%		
T_j = operation limit temperature	P _{dh}	8.69	kW	T_j = operation limit temperature	COP _d or PER _d	1.69	– or%		
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P _{dh}	9.9	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	2.2	– 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}	3.31	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	• sup	-	IXVV		
Standby mode	P _{SB}	0.018	kW	Type of energy input					
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}	-/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}	4868	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	Daily fuel consumption	Q_{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater P _{sup} is equal to the supplementary capacity for heating									
$\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.									

Model(s): [information identifying the model(s) to which the information relates]				AW162MXGHA					
Air-to-water heat pump:				Yes					
Water-to-water heat pump:				No Yes					
Brine-to-water heat pump:				No No					
				No No					
Low-temperature heat pump:									
Equipped with a supplementa	•	r:			No				
Heat pump combination heat					No				
Parameters shall be declared									
application, except for low-ter	•		•	Medium-temperature application	n				
low- temperature heat pumps declared for low-temperature			iii be						
Parameters shall be declared	for aver	age, col	der and	Cold climate conditions					
warmer climate conditions.	اء جاءوں دو	Malua	I India	lto re	ay wash a l	Value	I India		
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	9.50	kW	Seasonal space heating energy efficiency	η_{s}	120	%		
Declared capacity for heati	•			Declared coefficient of perform			•		
temperature 20 °C and o			,	load at indoor temperature 2			,		
T _j = − 7 °C	P_{dh}	5.72	kW	T _j = -7 °C	COP _d or PER _d	2.63	– or%		
$T_j = + 2 ^{\circ}C$	P_{dh}	3.40	kW	T _j = + 2 °C	COP _d or PER _d	3.58	– or%		
$T_j = + 7 ^{\circ}\text{C}$	P_{dh}	4.16	kW	T _j = + 7 °C	COP _d or PER _d	5.16	– or%		
T _j = + 12 °C	P_{dh}	4.89	kW	T _j = + 12 °C	COP _d or PER _d	7.33	– or%		
T_j = bivalent temperature	P_{dh}	7.73	kW	T_j = bivalent temperature	COP _d or PER _d	1.94	– or%		
T _j = operation limit temperature	P_{dh}	9.47	kW	T_j = operation limit temperature	COP _d or PER _d	1.46	– or%		
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	P_{dh}	7.7	kW	For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	COP _d or PER _d	1.9	– 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			<u> </u>		
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	0.03	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	le	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4821	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	-/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		'A	<u> </u>		•				
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater P _{sup} is equal to the supplementary capacity for heating									
$\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.									

Model(s): [information identifying the model(s) to which the information relates]				AW162MXGHA					
Air-to-water heat pump:				Yes					
Water-to-water heat pump:				No					
Brine-to-water heat pump:				No					
Low-temperature heat pump:				No					
Equipped with a supplementa	rv heate	r·			No				
Heat pump combination heat	-	<u>. </u>			No				
Parameters shall be declared		ium tom	noroturo		140				
application, except for low-ter			•						
low- temperature heat pumps	•	•	•	Low-temperature application					
declared for low-temperature			iii be						
Parameters shall be declared			dor and						
warmer climate conditions.	ioi avei	age, con	uei anu	Warm climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
	Symbol			Seasonal space heating	Зуппоот				
Rated heat output (*)	P _{rated}	12	kW	energy efficiency	η _s	253	%		
Declared capacity for heat	•			Declared coefficient of perform			•		
temperature 20 °C and		temperat	,	load at indoor temperature 2		or temper	,		
T _j = - 7 °C	P _{dh}	/	kW	J	$T_j = -7 ^{\circ}\text{C}$ $COP_d \text{ or } PER_d$ / $-\text{ or}\%$				
T _j = + 2 °C	P _{dh}	11.95	kW	T _j = + 2 °C	COP _d or PER _d	4.12	– or%		
T _j = + 7 °C	P _{dh}	7.82	kW	T _j = + 7 °C	COP _d or PER _d	6.34	– or%		
T _j = + 12 °C	P _{dh}	5.04	kW	T _j = + 12 °C	COP _d or PER _d	7.73	– or%		
T _j = bivalent temperature	P _{dh}	11.95	kW	T_j = bivalent temperature	COP _d or PER _d	4.12	– or%		
T _j = operation limit temperature	P_{dh}	11.95	kW	T_j = operation limit temperature	COP _d or PER _d	4.12	– 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				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	T		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 _{WA}	-/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 _{HE}	2130	kWhor GJ						
For heat pump combination h			<u>. </u>						
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater P _{sup} is equal to the supplementary capacity for heating									
$\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.									

Model(s): [information identify	ring the r	nodel(s)	to which the	AW1	62MXGHA				
information relates]									
Air-to-water heat pump:				Yes					
Water-to-water heat pump:				No No					
Brine-to-water heat pump:				No					
Low-temperature heat pump:					No				
Equipped with a supplementa	-	r:			No				
Heat pump combination heate					No				
Parameters shall be declared									
application, except for low-ter	•	•	•	Medium-temperature application	n				
low- temperature heat pumps			ıll be	подати изпрагатата арризата					
declared for low-temperature									
Parameters shall be declared	for aver	age, col	der and	Warm climate conditions					
warmer climate conditions.									
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P_{rated}	9.5	kW	Seasonal space heating energy efficiency	η_{s}	176	%		
Declared capacity for heati	•			Declared coefficient of performance or primary energy ratio for part					
temperature 20 °C and	outdoor t	temperat	J	load at indoor temperature 20 $^{\circ}$ C and outdoor temperature T_{j}					
T _j = − 7 °C	P_{dh}	/	kW	T _j = -7 °C	$T_j = -7 ^{\circ}\text{C}$ $COP_d \text{ or } PER_d$ / $-\text{ or}\%$				
T _j = + 2 °C	P_{dh}	9.58	kW	T _j = + 2 °C	COP _d or PER _d	2.61	– or%		
T _j = + 7 °C	P_{dh}	6.24	kW	T _j = + 7 °C	COP _d or PER _d	3.99	– or%		
T _j = + 12 °C	P_{dh}	4.78	kW	T _j = + 12 °C	COP _d or PER _d	6.10	– or%		
T _j = bivalent temperature	P _{dh}	9.58	kW	T_j = bivalent temperature	COP _d or PER _d	2.61	– or%		
T _j = operation limit temperature	P _{dh}	9.58	kW	T_j = operation limit temperature	COP _d or PER _d	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 _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 than active 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	I		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 _{WA}	-/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_{HE}	2417	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	Daily fuel consumption	Q_{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater P _{sup} is equal to the supplementary capacity for heating									
$\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.									