

Model(s): [information identify information relates]	ing the r	model(s)	to which the	AW12NHVGHA	/ HU16NWAH	YAE3		
Air-to-water heat pump:								
				Yes				
Water-to-water heat pump:				No No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	-	r:			Yes			
Heat pump combination heat					No			
Parameters shall be declared								
application, except for low-ter				Low-temperature application				
low- temperature heat pumps			ıll be	Low tomperatare 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	ltem	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	8.5	kW	Seasonal space heating energy efficiency	η_{s}	190	%	
Declared capacity for heati	ng for pa	art load a	nt indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part	
temperature 20 °C and				load at indoor temperature 2			•	
T _i = -7 °C	P _{dh}	7.48	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	3.12	– or%	
$T_i = +2 ^{\circ}C$	P _{dh}	4.59	kW	T _i = + 2 °C	COP _d or PER _d	4.60	– or%	
T _i = + 7 °C	P _{dh}	2.98	kW	T _i = + 7 °C	COP _d or PER _d	6.72	– or%	
T _i = + 12 °C	P _{dh}	5.08	kW	T _i = + 12 °C	COP _d or PER _d	8.35	– or%	
T_i = bivalent temperature	P _{dh}	7.48	kW	T_i = bivalent temperature	COP _d or PER _d	3.12	– or%	
T _i = operation limit				·				
temperature	P _{dh}	6.26	kW	T _j = operation limit temperature	COP _d or PER _d	2.16	– or%	
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	P _{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _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}	2.24	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	_	4023	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h	
Annual energy consumption	Q_{HE}	3647	kWhor GJ					
For heat pump combination h	eater: N	Ā						
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. 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 default degradation coefficient is	olementary capa			
Saperiji. () ii can is not determ	ca by i	. icasai ei	then the	actual degradation coefficient is	can 0,5.		150570299	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW12NHVGHA	/ HU162F20AH	YAF3			
information relates]				AW12NHVGHA / HU162F20AHYAE3					
Air-to-water heat pump:					Yes				
Water-to-water heat pump:				No					
Brine-to-water heat pump:				No					
Low-temperature heat pump:					No				
Equipped with a supplementa	ry heate	r:			Yes				
Heat pump combination heat	er:				Yes				
Parameters shall be declared	for med	ium-tem	perature						
application, except for low-ter			•						
low- temperature heat pumps				Low-temperature application					
declared for low-temperature	•								
Parameters shall be declared			der and						
warmer climate conditions.		go, oo.		Average climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
				Seasonal space heating	- Cynnoon				
Rated heat output (*)	P_{rated}	8.5	kW	energy efficiency	η_{s}	190	%		
Declared capacity for heati	na for na	rt load a	et indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part		
temperature 20 °C and o	•			load at indoor temperature			•		
$T_i = -7 ^{\circ}\text{C}$	P _{dh}	7.48	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	3.12	- or%		
$T_i = +2 ^{\circ}\text{C}$	P _{dh}	4.59	kW	T _i = + 2 °C	COP _d or PER _d	4.60	– or%		
$T_i = +7 ^{\circ}\text{C}$	P _{dh}	2.98	kW	$T_i = +7 \text{ °C}$	COP _d or PER _d	6.72	– or%		
T _i = + 12 °C	P _{dh}	5.08	kW	$T_i = + 12 ^{\circ}\text{C}$	COP _d or PER _d	8.35	– or%		
T_i = bivalent temperature	P _{dh}	7.48	kW	T_i = bivalent temperature	COP _d or PER _d	3.12	– or%		
T_i = operation limit	· an			·					
temperature	P_{dh}	6.26	kW	T_j = operation limit temperature	COP _d or PER _d	2.16	– or%		
temperature									
For air-to-water heat pumps:	D	NI/A	14147	For air-to-water heat pumps: T _j	COP _d or PER _d	NI/A	0.50/		
$T_i = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$	P_{dh}	N/A	kW	= - 15 °C (if TOL < - 20 °C)	COP _d of PER _d	N/A	– or%		
-									
Bivalent temperature	T_{biv}	-7	°C	For air-to-water heat pumps:	TOL	-25	°C		
·	5			Operation limit temperature					
Cycling interval capacity for	P_{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%		
heating	cycn	-		, ,	u u				
Degradation co- efficient (**)	C_dh	0.9		Heating water operating limit	WTOL	80	°C		
				temperature					
Power consumption in modes				Supplementary heater: N/A			ī		
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	2.24	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		-	1		
Standby mode	P _{SB}	0.018	kW						
Crankcase heater mode	P_{CK}	0	kW						
Other items	1						ī		
Capacity control		Variab	ole	For air-to-water heat pumps:	_	4023	m³/h		
Capacity Control		Janac		Rated air flow rate, outdoors		.020	,		
				For water- or brine-to- water					
Sound power level, indoors/	١,	42/63	dB(A)	heat pumps: Rated brine or	N/A	2.064	m³/h		
outdoors	L_{WA}	42/03	UB(A)	water flow rate, outdoor heat	IN/A	2.004	111-711		
				exchanger					
Annual energy consumption	Q_{HE}	3647	kWhor GJ						
For heat pump combination h				-					
·				Water heating energy		405	21		
Declared load profile		L		efficiency	η_{wh}	135	%		
Daily electricity consumption	Q_{elec}	4.76	kWh	Annual electricity consumption	AEC	941	kWh		
, is yearn and	20100			Jan 1 g Tanasanp wan	-				
	Qinada	o Haier 4	Air Conditions	er Electric Co., Ltd.		<u> </u>	<u>I</u>		
Contact details				Qianwangang Road ,Qingdao Ec	o-tech Develor	ment 7on	e .Qinadao		
25.11dot dotallo		5,China	,. 10.200,				- , <u></u> gaao		
(*) For heat numn space heater			combination	heaters, the rated heat output Pra	ited is equal to t	he desian	load for		
				ary heater P _{sup} is equal to the supp					
				default degradation coefficient is		city for the	aang		
Sup(1j). () II C _{dh} is not determ	irieu by I	ricasurei	nent then the	default degradation coefficient is	C _{dh} – 0,3.		150570299		
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Model(s): [information identify information relates]	ing the r	model(s)	to which the	AW12NHVGHA / HU16NWAHYAE3					
Air-to-water heat pump:									
				Yes					
Water-to-water heat pump:				No No					
Brine-to-water heat pump:					No				
Low-temperature heat pump:					No				
Equipped with a supplementa	-	r:			Yes				
Heat pump combination heat					No				
Parameters shall be declared									
application, except for low-ter				Medium-temperature application	n				
low- temperature heat pumps			ıll be	inicalani temperatare 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	ltem	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	6.8	kW	Seasonal space heating energy efficiency	η_{s}	151	%		
Declared capacity for heati	ng for pa	art load a	nt indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part		
temperature 20 °C and				load at indoor temperature 2					
T _i = -7 °C	P _{dh}	5.98	kW	$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	2.36	– or%		
$T_i = +2 ^{\circ}C$	P _{dh}	3.67	kW	T _i = + 2 °C	COP _d or PER _d	3.75	– or%		
T _i = + 7 °C	P _{dh}	2.38	kW	T _i = + 7 °C	COP _d or PER _d	5.46	– or%		
T _i = + 12 °C	P _{dh}	4.79	kW	T _i = + 12 °C	COP _d or PER _d	6.90	– or%		
T_i = bivalent temperature	P _{dh}	5.98	kW	T_i = bivalent temperature	COP _d or PER _d	2.36	– or%		
T _i = operation limit				·					
temperature	P _{dh}	6.74	kW	T _j = operation limit temperature	COP _d or PER _d	1.65	– 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}	0.06	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		Variat	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4821	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h		
Annual energy consumption	Q_{HE}	3650	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	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 _{sup} is equal to the supp default degradation coefficient is	olementary capa				
Saptiji. () ii c _{dh} is not determ	cu by I	i icasai ei	nent then the	actual acgradation coefficient is	C _{dh} = 0,3.		150570299		

Model(s): [information identify	ing the r	nodel(s)	to which the	AW12NHVGHA	/ HU162F20AH	IYAE3			
information relates]	-				Voc				
Air-to-water heat pump:				Yes					
Water-to-water heat pump:				No No					
Brine-to-water heat pump:					No				
Low-temperature heat pump:					No				
Equipped with a supplementa	•	r:			Yes				
Heat pump combination heate					Yes				
Parameters shall be declared			•						
application, except for low-ter				Medium-temperature application	n				
low- temperature heat pumps			ıll be	modium tomporatoro application					
declared for low-temperature									
Parameters shall be declared	for aver	age, col	der and	Average climate conditions					
warmer climate conditions.	-			Twerage diffiate defialitions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	6.8	kW	Seasonal space heating energy efficiency	η_{s}	151	%		
Declared capacity for heati	ng for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	io for part		
temperature 20 °C and o	•			load at indoor temperature 2			•		
T _i = - 7 °C	P_{dh}	5.98	kW	T _i = -7 °C	COP _d or PER _d	2.36	– or%		
T _i = + 2 °C	P _{dh}	3.67	kW	T _i = + 2 °C	COP _d or PER _d	3.75	– or%		
T _i = + 7 °C	P _{dh}	2.38	kW	T _i = + 7 °C	COP _d or PER _d	5.46	– or%		
T _i = + 12 °C	P _{dh}	4.79	kW	T _i = + 12 °C	COP _d or PER _d	6.90	– or%		
T_j = bivalent temperature	P _{dh}	5.98	kW	T_j = bivalent temperature	COP _d or PER _d	2.36	– or%		
T _i = operation limit		0.74	1307	T		4.05	0/		
temperature	P _{dh}	6.74	kW	T _j = operation limit temperature	COP _d or PER _d	1.65	– or%		
For air-to-water heat pumps: $T_j = -15$ °C (if TOL < -20 °C)	P_{dh}	N/A	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _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}	0.06	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input		<u>-</u>			
Standby mode	P_{SB}	0.018	kW						
Crankcase heater mode	P_{CK}	0	kW						
Other items									
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors		4821	m³/h		
Sound power level, indoors/ outdoors	L _{WA}	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h		
Annual energy consumption	Q_{HE}	3650	kWhor GJ						
For heat pump combination h	eater: Ye	es							
Declared load profile		L		Water heating energy efficiency	η_{wh}	135	%		
Daily electricity consumption	Q _{elec}	4.76	kWh	Annual electricity consumption	AEC	941	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 _{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	$C_{dh} = 0.9.$		150570299		

	Model(s): [information identifying the model(s) to which the				AW12NHVGHA / HU16NWAHYAE3				
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					No				
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 warmer climate conditions.	for aver	age, col	der and	Cold climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
Rated heat output (*)	P _{rated}	9	kW	Seasonal space heating energy efficiency	η_{s}	149	%		
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 2	• •		•		
T _i = - 7 °C	P _{dh}	5.47	kW	T _i = -7 °C	COP _d or PER _d	3.50	– or%		
T _i = + 2 °C	P _{dh}	3.44	kW	T _i = + 2 °C	COP _d or PER _d	4.20	– or%		
T _i = + 7 °C	P _{dh}	4.15	kW	T _i = + 7 °C	COP _d or PER _d	7.00	– or%		
T _i = + 12 °C	P_{dh}	5.03	kW	T _j = + 12 °C	COP _d or PER _d	9.00	– 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}	6.80	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}	2.20	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	345	-			
Standby mode	P _{SB}	0.018	kW	31 33 1					
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}	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h		
Annual energy consumption	Q_{HE}	2939	kWhor GJ						
For heat pump combination h		/A	<u> </u>						
Declared load profile		_		Water heating energy efficiency	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 supplement	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	iinea by r	neasurer	nent then the	default degradation coefficient is	C _{dh} = 0,9.		150570299		

Model(s): [information identify	ring the r	nodel(s)	to which the	A\A\4.2NIU\/CUA	/ LI 1462E20AL	IVAE2			
information relates]				AW12NHVGHA / HU162F20AHYAE3					
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				Low-temperature application					
low- temperature heat pumps, parameters shall be declared for low-temperature application.				Low temperature application					
Parameters shall be declared warmer climate conditions.			der and	Cold climate conditions					
Item	symbol	Value	Unit	Item	symbol	Value	Unit		
item	Symbol	value	Offic	Seasonal space heating	Syllibol	value	Offic		
Rated heat output (*)	P _{rated}	9	kW	energy efficiency	η_{s}	149	%		
Declared capacity for heati				Declared coefficient of perform			•		
temperature 20 °C and			J	load at indoor temperature ?					
T _j = - 7 °C	P _{dh}	5.47	kW	T _j = -7 °C	COP _d or PER _d	3.50	– or%		
T _j = + 2 °C	P _{dh}	3.44	kW	T _j = + 2 °C	COP _d or PER _d	4.20	– or%		
T _j = + 7 °C	P _{dh}	4.15	kW	$T_j = +7 ^{\circ}\text{C}$	COP or PER	7.00	– or%		
$T_j = + 12 ^{\circ}\text{C}$	P _{dh}	5.03	kW	$T_j = + 12 ^{\circ}\text{C}$	COP or PER	9.00	– 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}	6.80	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		<u> </u>			
Off mode	P _{OFF}	0.018	kW	Rated heat output (*)	P_{sup}	2.20	kW		
Thermostat-off mode	P _{TO}	0.018	kW	Type of energy input	•	-			
Standby mode	P_{SB}	0.018	kW						
Crankcase heater mode	P_{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}	42/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	2.064	m³/h		
Annual energy consumption	Q _{HE}	2939	kWhor GJ						
For heat pump combination h	eater: Ye	es	<u>'</u>						
Declared load profile		L		Water heating energy efficiency	η_{wh}	105.17	%		
Daily electricity consumption	Q _{elec}	6.11	kWh	Annual electricity consumption	AEC	1207.96	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 _{sup} 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 _{dh} = 0,9.	0.	150570299		

Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW12NHVGHA	./HU16NWAH	YAE3		
•				Voc				
Air-to-water heat pump:				Yes				
Water-to-water heat pump: Brine-to-water heat pump:				No No				
Low-temperature heat pump:					No No			
<u> </u>	n, booto	r.			Yes			
Equipped with a supplementa Heat pump combination heate	•	Ι.			No			
		. ,			INU			
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p	umps. For	Medium-temperature application	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}	7	kW	Seasonal space heating energy efficiency	η_{s}	127	%	
Declared capacity for heati temperature 20 °C and o	•			Declared coefficient of perform load at indoor temperature 2			-	
 T _j = − 7 °C	P_{dh}	4.29	kW	$T_j = -7 ^{\circ}C$	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}	6.96	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}	0.04	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	_	4821	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q_{HE}	3346	kWhor GJ					
For heat pump combination h	eater: N	′A	<u>'</u>					
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 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	$C_{dh} = 0.9.$		150570299	

Model(s): [information identify	ing the r	nodel(s)	to which the	AW12NHVGHA	/ HI I162F20AL	IVAE3		
information relates]				AW12NHVGHA / HU162F20AHYAE3				
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 warmer climate conditions.				Cold climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	7	kW	Seasonal space heating	-	127	%	
Rated Heat Output ()	rated -	1	KVV	energy efficiency	η_{s}	121	70	
Declared capacity for heat	•			Declared coefficient of perform	ance or primary	energy rat	io for part	
temperature 20 °C and	outdoor t	temperat	ture T _j	load at indoor temperature 2		or tempera	ature T _j	
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}	6.96	kW	T_j = operation limit temperature	COP _d or PER _d	1.58	– or%	
For air-to-water heat pumps: $T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	P _{dh}	5.76	kW	For air-to-water heat pumps: T_j = -15 °C (if TOL < -20 °C)	COP _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}	0.04	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		Variat	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4821	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q _{HE}	3346	kWhor GJ					
For heat pump combination h	eater: Ye	es	<u>'</u>					
Declared load profile		L		Water heating energy efficiency	η_{wh}	105.17	%	
Daily electricity consumption	Q _{elec}	6.11	kWh	Annual electricity consumption	AEC	1207.96	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							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	_		
$[\sup(I_j). (**)]$ If C_{dh} is not determ	ined by r	neasurer	ment then the	default degradation coefficient is	$C_{dh} = 0.9.$	0.	150570299	

Model(s): [information identifying the model(s) to which the				AW12NHVGHA	./ HU16NWAH	YAE3		
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	ry heate	r:			Yes			
Heat pump combination heat	er:				No			
Parameters shall be declared	for med	ium-tem	perature					
application, except for low-ter	nperatur	e heat p	umps. For	Low to magaziture application				
low- temperature heat pumps	, parame	eters sha	ll be	Low-temperature application				
declared for low-temperature	applicati	on.						
Parameters shall be declared	for aver	age, col	der and	Warm alimate canditions				
warmer climate conditions.				Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	D	9	kW	Seasonal space heating	n	258	%	
Rated fleat output ()	P _{rated}	9	KVV	energy efficiency	η_{s}	200	70	
Declared capacity for heat	ng for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part	
temperature 20 °C and	outdoor t	temperat	ure T _j	load at indoor temperature 2	20 °C and outdo	or temper	ature T _j	
T _j = - 7 °C	P_{dh}	/	kW	T _j = - 7 °C	COP _d or PER _d	/	– or%	
T _j = + 2 °C	$P_{\sf dh}$	9.09	kW	T _j = + 2 °C	COP _d or PER _d	4.11	– or%	
$T_j = +7 ^{\circ}\text{C}$	P_{dh}	5.83	kW	T _j = + 7 °C	COP _d or PER _d	6.12	– or%	
$T_j = + 12 ^{\circ}C$	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	P_{dh}	9.09	kW	T_i = operation limit temperature	COP _d or PER _d	4.11	– or%	
temperature	' dh	9.09	KVV	T _j = operation in the temperature	COI d OI I LINd	7.11	- 01 70	
For air to water best number				For air to water best number T				
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%	
$T_j = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$				= – 15 °C (if TOL < – 20 °C)				
Discolaret to any austron	_	0	00	For air-to-water heat pumps:	TOL	0.5	00	
Bivalent temperature	T_{biv}	2	°C	Operation limit temperature	TOL	-25	°C	
Cycling interval capacity for		11/0	134	0 11 1 1 11	600 050		0/	
heating	P_{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
- L.: (11.1.)	_	0.0		Heating water operating limit	WEST		20	
Degradation co- efficient (**)	C_{dh}	0.9	_	temperature	WTOL	80	°C	
Power consumption in modes	other th	an active	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								
Canacity control		\/ariab	Jo	For air-to-water heat pumps:		4000	203/b	
Capacity control		Variab	ne	Rated air flow rate, outdoors	_	4023	m³/h	
				For water- or brine-to- water				
Sound power level, indoors/			.=	heat pumps: Rated brine or			- "	
outdoors	L_{WA}	42/63	dB(A)	water flow rate, outdoor heat	N/A	2.064	m³/h	
				exchanger				
Annual energy consumption	Q _{HE}	1579	kWhor GJ					
For heat pump combination h								
				Water heating energy				
Declared load profile		_		efficiency	η_{wh}		%	
Daily electricity consumption	Q _{elec}		kWh	Annual electricity consumption	AEC		kWh	
Daily distalling consumption	≺eiec	-	174411	a. c.comony condumption	,,,,,		17.6.11	
	Qinada	h Haier /	Air Conditions	er Electric Co., Ltd.				
Contact details	_			gi Electric Co., Etd. Qianwangang Road ,Qingdao Ec	o-tech Develor	ment 7on	e Oinadao	
Contact details		5,China	ain,i 1 0.200,	Can wangang Noda , anguao Eu	o toon bevelup	ont ZOH	o , wii iguau	
(*) For heat numn space heate			combination	heaters, the rated heat output Pra	ted is equal to t	he decian	load for	
				ary heater P _{sup} is equal to the supp				
		-		default degradation coefficient is	•	icity for the	anny	

 $\sup(T_j)$. (**) 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				AW12NHVGHA / HU162F20AHYAE3				
information relates]								
Air-to-water heat pump:				Yes				
Water-to-water heat pump:				No				
Brine-to-water heat pump:					No			
Low-temperature heat pump:					No			
Equipped with a supplementa	ry heate	r:			Yes			
Heat pump combination heat	er:				Yes			
Parameters shall be declared	for med	ium-tem	perature					
application, except for low-ter	nperatur	e heat p	umps. For	Low-temperature application				
low- temperature heat pumps	, parame	eters sha	ıll be	Low-temperature application				
declared for low-temperature	applicati	on.						
Parameters shall be declared	for aver	age, col	der and	Marm alimata canditions				
warmer climate conditions.				Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Dated boot output (*)	В	9	kW	Seasonal space heating	n	258	%	
Rated heat output (*)	P _{rated}	9	KVV	energy efficiency	η_{s}	200	70	
Declared capacity for heati	ng for pa	art load a	t indoor	Declared coefficient of perform	ance or primary	energy ra	tio for part	
temperature 20 °C and	outdoor t	temperat	ture T _i	load at indoor temperature a	20 °C and outdo	or temper	ature T _i	
T _i = - 7 °C	P_{dh}	/	kW	T _i = -7 °C	COP _d or PER _d	/	– or%	
T _i = + 2 °C	P _{dh}	9.09	kW	T _i = + 2 °C	COP _d or PER _d	4.11	– or%	
T _i = + 7 °C	P _{dh}	5.83	kW	T _i = + 7 °C	COP _d or PER _d	6.12	– or%	
T _i = + 12 °C	P _{dh}	4.99	kW	T _i = + 12 °C	COP _d or PER _d	8.57	– or%	
T _i = bivalent temperature	P _{dh}	9.09	kW	T_i = bivalent temperature	COP _d or PER _d	4.11	– or%	
T _i = 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:	P_{dh}	N/A	kW	For air-to-water heat pumps: T _j	COP _d or PER _d	N/A	– or%	
$T_j = -15 \text{ °C (if TOL } < -20 \text{ °C)}$	· an	14//	KVV	= - 15 °C (if TOL < - 20 °C)	201 a 01 1 21ta	14// (0170	
				For air-to-water heat pumps:				
Bivalent temperature	T_{biv}	2	°C	Operation limit temperature	TOL	-25	°C	
Cycling interval conscitutor				Operation limit temperature				
Cycling interval capacity for heating	P_{cych}	N/A	kW	Cycling interval efficiency	COP _d or PER _d	0.9	– or%	
Heating				The Control of the Park				
Degradation co- efficient (**)	C_{dh}	0.9	_	Heating water operating limit	WTOL	80	°C	
Power consumption in modes	other th	on ootiv	o mada	temperature Supplementary heater: N/A				
Off mode		0.018	kW		D		kW	
Thermostat-off mode	P _{OFF}			Rated heat output (*)	P_{sup}	-	KVV	
	P _{TO}	0.018	kW kW	Type of energy input		-		
Standby mode	P _{SB}	0.018	kW					
Crankcase heater mode	P_{CK}	0	KVV					
Other items	I			T =				
Capacity control		Variab	ole	For air-to-water heat pumps:	_	4023	m³/h	
				Rated air flow rate, outdoors				
				For water- or brine-to- water				
Sound power level, indoors/	l	42/63	dB(A)	heat pumps: Rated brine or	N/A	2.064	m³/h	
outdoors	L_{WA}	42/03	UD(A)	water flow rate, outdoor heat	IN/A	2.004	111-711	
				exchanger				
Annual energy consumption	Q_{HE}	1579	kWhor GJ					
For heat pump combination h	eater: Ye	es				L		
				Water heating energy		40-	٥,	
Declared load profile		L		efficiency	η_{wh}	135	%	
Daily electricity consumption	Q _{elec}	4.76	kWh	Annual electricity consumption	AEC	941	kWh	
, , , , , , , , , , , , , , , , , , , ,	5.50							
	Qinada	Haier A	Air Conditione	er Electric Co., Ltd.				
Contact details	_			Qianwangang Road ,Qingdao Ec	co-tech Develor	ment Zon	e .Qinadao	
2 57 table astano		5,China	,. 10.200,				- ,9440	
(*) For heat numn space heater			combination	heaters, the rated heat output Pra	ted is equal to t	he decian	load for	
				ary heater P _{sup} is equal to the supp				
		-		ary neater P _{sup} is equal to the supp default degradation coefficient is	•	city for fie	attrig	

 $\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.

Model(s): [information identify information relates]	ring the r	nodel(s)	to which the	AW12NHVGHA / HU16NWAHYAE3				
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:			Yes			
Heat pump combination heat	_				No			
Parameters shall be declared		ium-tem	nerature					
application, except for low-ter								
low- temperature heat pumps				Medium-temperature application	n			
declared for low-temperature								
Parameters shall be declared			der and	Warm climate conditions				
warmer climate conditions.	I	17.1	11.26	D		17.1	11.2	
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
Rated heat output (*)	P _{rated}	7	kW	Seasonal space heating energy efficiency	η_{s}	185	%	
Declared capacity for heati	•			Declared coefficient of perform	• •		•	
temperature 20 °C and		temperat	J	load at indoor temperature ?		or temper	,	
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	$P_{\sf dh}$	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 active	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	_	4821	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q _{HE}	1675	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	(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for neating Pdesignh, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating $S_{sup}(T_i)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.							
$\sup(T_j)$. ("") If C_{dh} is not determ	mea by r	neasurer	nent then the	default degradation coefficient is	C _{dh} = 0,9.		150570299	

Model(s): [information identifying the model(s) to which the				AW12NHVGHA / HU162F20AHYAE3				
information relates]				AW IZNITVOHA/ HOTOZI ZUAHTALS				
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·			Yes			
Heat pump combination heate	-	· ·			Yes			
			1		163			
Parameters shall be declared application, except for low-ter low- temperature heat pumps declared for low-temperature	nperatur , parame	e heat p	umps. For	Medium-temperature application				
Parameters shall be declared warmer climate conditions.	for aver	age, col	der and	Warm climate conditions				
Item	symbol	Value	Unit	Item	symbol	Value	Unit	
				Seasonal space heating			_,	
Rated heat output (*)	P _{rated}	7	kW	energy efficiency	η_{s}	185	%	
Declared capacity for heati	na for na	ert load a	t indoor	Declared coefficient of perform	ance or primary	energy rat	tio for part	
temperature 20 °C and o	•			load at indoor temperature 2	• •		•	
$T_i = -7 ^{\circ}\text{C}$	P _{dh} / kW			$T_i = -7 ^{\circ}\text{C}$	COP _d or PER _d	/ /	– or%	
T _i = - 7 C		· /		$T_j = -7$ C $T_i = +2$ °C		7		
$T_j = +2 \text{ C}$ $T_i = +7 \text{ °C}$	P _{dh}	6.97	kW	T _i = + 2 °C	COP _d or PER _d	2.83	– or%	
J	P _{dh}	4.42	kW	J	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 (**)		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								
Capacity control		Variab	ole	For air-to-water heat pumps: Rated air flow rate, outdoors	_	4821	m³/h	
Sound power level, indoors/ outdoors	L _{WA}	42/66	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	1.290	m³/h	
Annual energy consumption	Q _{HE}	1675	kWhor GJ					
For heat pump combination h				1			Ī	
Declared load profile		L		Water heating energy efficiency	η_{wh}	135	%	
Daily electricity consumption	Q _{elec}	4.76	kWh	Annual electricity consumption	AEC	941	kWh	
_ any closurony corroumption	~eiec	0	124411	Table 5.55tholy 55hodinphon	,	J 11	174411	
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heating Pdesignh, and the rate	rs and he	at pump	a supplement	heaters, the rated heat output Pra ary heater P _{sup} is equal to the supp default degradation coefficient is	olementary capa			

 $\sup(T_j)$. (**) If C_{dh} is not determined by measurement then the default degradation coefficient is $C_{dh} = 0.9$.