



Haier

Model(s): [information identifying the model(s) to which the information relates]				AW042MUGHA			
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 supplementary heater:				No			
Heat pump combination heater:				No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall be declared for low-temperature application.				Low-temperature application			
Parameters shall be declared for average, colder and warmer climate conditions.				Average climate conditions			
Item	symbol	Value	Unit	Item	symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	4.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	201	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	3.96	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.48	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	2.43	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.89	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	1.58	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.73	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	1.91	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.87	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.96	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.48	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.50	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.30	– or%
For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%
Degradation co- efficient (**)	C <sub>dh</sub>	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 <sub>OFF</sub>	0.018	kW	Rated heat output (*)	P <sub>sup</sub>	0.00	kW
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-		
Standby mode	P <sub>SB</sub>	0.018	kW				
Crankcase heater mode	P <sub>CK</sub>	0	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/55	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.688	m³/h
Annual energy consumption	Q <sub>HE</sub>	1826	kWhor GJ				
For heat pump combination heater: N/A							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. 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 <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ). (**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0,9.							

Model(s): [information identifying the model(s) to which the information relates]				AW042MUGHA			
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 supplementary heater:				No			
Heat pump combination heater:				No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall be declared for low-temperature application.				Medium-temperature application			
Parameters shall be declared for average, colder and warmer climate conditions.				Average climate conditions			
Item	symbol	Value	Unit	Item	symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	4	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	151	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = - 7 °C	P <sub>dh</sub>	3.25	kW	T <sub>j</sub> = - 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.35	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	2.16	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.73	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	1.40	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.50	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	2.05	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.70	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.25	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.35	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	3.60	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.85	– or%
For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: T <sub>j</sub> = - 15 °C (if TOL < - 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%
Bivalent temperature	T <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%
Degradation co- efficient (**)	C <sub>dh</sub>	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 <sub>OFF</sub>	0.018	kW	Rated heat output (*)	P <sub>sup</sub>	0.40	kW
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-		
Standby mode	P <sub>SB</sub>	0.018	kW				
Crankcase heater mode	P <sub>CK</sub>	0	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3429	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.430	m³/h
Annual energy consumption	Q <sub>HE</sub>	1985	kWhor GJ				
For heat pump combination heater: N/A							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. 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 <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ). (**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0,9.							

Model(s): [information identifying the model(s) to which the information relates]				AW042MUGHA			
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 supplementary heater:				No			
Heat pump combination heater:				No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall be declared for low-temperature application.				Low-temperature application			
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions			
Item	symbol	Value	Unit	Item	symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	4.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	154	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = − 7 °C	P <sub>dh</sub>	2.87	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.50	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	1.75	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.20	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	1.88	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.00	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	2.17	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	9.00	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.72	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	2.93	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.26	– or%
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	P <sub>dh</sub>	3.72	kW	For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%
Bivalent temperature	T <sub>biv</sub>	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%
Degradation co- efficient (**)	C <sub>dh</sub>	0.9	—	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater: N/A			
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	P <sub>sup</sub>	1.57	kW
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-		
Standby mode	P <sub>SB</sub>	0.018	kW				
Crankcase heater mode	P <sub>CK</sub>	0	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/55	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.688	m³/h
Annual energy consumption	Q <sub>HE</sub>	1848	kWhor GJ				
For heat pump combination heater: N/A							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. 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 <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ). (**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0,9.							

Model(s): [information identifying the model(s) to which the information relates]				AW042MUGHA			
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 supplementary heater:				No			
Heat pump combination heater:				No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall be declared for low-temperature application.				Medium-temperature application			
Parameters shall be declared for average, colder and warmer climate conditions.				Cold climate conditions			
Item	symbol	Value	Unit	Item	symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	4	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	138	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = − 7 °C	P <sub>dh</sub>	2.50	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.70	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	1.62	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.63	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	1.85	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.48	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	2.21	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	7.14	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.32	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.12	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	3.22	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.69	– or%
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	P <sub>dh</sub>	3.3	kW	For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	2.1	– or%
Bivalent temperature	T <sub>biv</sub>	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%
Degradation co- efficient (**)	C <sub>dh</sub>	0.9	—	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater: N/A			
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	P <sub>sup</sub>	0.78	kW
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-		
Standby mode	P <sub>SB</sub>	0.018	kW				
Crankcase heater mode	P <sub>CK</sub>	0	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3429	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.430	m³/h
Annual energy consumption	Q <sub>HE</sub>	2643	kWhor GJ				
For heat pump combination heater: N/A							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. 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 <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ). (**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0,9.							

Model(s): [information identifying the model(s) to which the information relates]				AW042MUGHA			
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 supplementary heater:				No			
Heat pump combination heater:				No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall be declared for low-temperature application.				Low-temperature application			
Parameters shall be declared for average, colder and warmer climate conditions.				Warm climate conditions			
Item	symbol	Value	Unit	Item	symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	4.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	248	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = − 7 °C	P <sub>dh</sub>	/	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.50	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.64	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.94	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.02	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	2.15	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.25	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4.50	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.64	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.50	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.64	– or%
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%
Bivalent temperature	T <sub>biv</sub>	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%
Degradation co- efficient (**)	C <sub>dh</sub>	0.9	—	Heating water operating limit temperature	TOL	80	°C
Power consumption in modes other than active mode				Supplementary heater: N/A			
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	P <sub>sup</sub>	-	kW
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-		
Standby mode	P <sub>SB</sub>	0.018	kW				
Crankcase heater mode	P <sub>CK</sub>	0	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/55	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.688	m³/h
Annual energy consumption	Q <sub>HE</sub>	810	kWhor GJ				
For heat pump combination heater: N/A							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. 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 <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ). (**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0,9.							

Model(s): [information identifying the model(s) to which the information relates]				AW042MUGHA			
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 supplementary heater:				No			
Heat pump combination heater:				No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat pumps, parameters shall be declared for low-temperature application.				Medium-temperature application			
Parameters shall be declared for average, colder and warmer climate conditions.				Warm climate conditions			
Item	symbol	Value	Unit	Item	symbol	Value	Unit
Rated heat output (*)	P <sub>rated</sub>	4	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	175	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = − 7 °C	P <sub>dh</sub>	/	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	/	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	4.03	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.84	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.64	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.12	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	2.23	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.13	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4.03	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.84	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.03	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.84	– or%
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	P <sub>dh</sub>	N/A	kW	For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	COP <sub>d</sub> or PER <sub>d</sub>	N/A	– or%
Bivalent temperature	T <sub>biv</sub>	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-25	°C
Cycling interval capacity for heating	P <sub>cych</sub>	N/A	kW	Cycling interval efficiency	COP <sub>d</sub> or PER <sub>d</sub>	0.9	– or%
Degradation co- efficient (**)	C <sub>dh</sub>	0.9	—	Heating water operating limit temperature	WTOL	80	°C
Power consumption in modes other than active mode				Supplementary heater: N/A			
Off mode	P <sub>OFF</sub>	0.018	kW	Rated heat output (*)	P <sub>sup</sub>	-	kW
Thermostat-off mode	P <sub>TO</sub>	0.018	kW	Type of energy input	-		
Standby mode	P <sub>SB</sub>	0.018	kW				
Crankcase heater mode	P <sub>CK</sub>	0	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	3429	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	-/63	dB(A)	For water- or brine-to- water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	N/A	0.430	m³/h
Annual energy consumption	Q <sub>HE</sub>	1022	kWhor GJ				
For heat pump combination heater: N/A							
Declared load profile	-			Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Qingdao Haier Air Conditioner Electric Co., Ltd. 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 <sub>sup</sub> is equal to the supplementary capacity for heating sup(T <sub>j</sub> ). (**) If C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0.9.							