



# Haier

Model(s): [information identifying the model(s) to which the 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 supplementary heater:				Yes			
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>	7.2	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	205	%
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>	6.34	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.89	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.01	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.52	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.88	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.56	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.83	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	6.34	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.11	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.34	– 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>	0.09	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	Fixed		Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	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 <sub>HE</sub>	2866	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	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						
(*) 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]				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 supplementary heater:				Yes			
Heat pump combination heater:				Yes			
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>	7.2	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	205	%
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>	6.34	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.89	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.01	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.52	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.88	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.56	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.83	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	6.34	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	3.43	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	7.11	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.34	– 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>	0.09	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	Fixed		Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	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 <sub>HE</sub>	2866	kWhor GJ				
For heat pump combination heater:Yes							
Declared load profile	L			Water heating energy efficiency	η <sub>wh</sub>	130	%
Daily electricity consumption	Q <sub>elec</sub>	3.71	kWh	Annual electricity consumption	AEC	817	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						
(*) 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.							

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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:				Yes			
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>	6	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>	5.28	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.24	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.65	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.10	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.43	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.22	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>	5.28	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.95	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>	0.05	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	Fixed		Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	—	3429	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	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 <sub>HE</sub>	3223	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	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						
(*) 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.							

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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:				Yes			
Heat pump combination heater:				Yes			
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>	6	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>	5.28	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.24	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.65	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	2.10	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.43	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	3.22	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>	5.28	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.48	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.95	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>	0.05	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	Fixed		Variable	For air-to-water heat pumps: Rated air flow rate, outdoors	—	3429	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	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 <sub>HE</sub>	3223	kWhor GJ				
For heat pump combination heater: Yes							
Declared load profile	L			Water heating energy efficiency	η <sub>wh</sub>	130	%
Daily electricity consumption	Q <sub>elec</sub>	3.71	kWh	Annual electricity consumption	AEC	817	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						
(*) 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]				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 supplementary heater:				Yes			
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>	7.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	163	%
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>	5.47	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.55	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.44	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.00	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.15	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.85	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	5.03	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	9.23	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.38	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.46	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.75	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>	7.38	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>	2.46	– 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>	1.75	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>	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 <sub>HE</sub>	3430	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	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						
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Water-to-water heat pump:				No			
Brine-to-water heat pump:				No			
Low-temperature heat pump:				No			
Equipped with a supplementary heater:				Yes			
Heat pump combination heater:				Yes			
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>	7.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	163	%
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>	5.47	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.55	– or%
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T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	7.38	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.46	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	5.75	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>	7.38	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>	2.46	– 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>	1.75	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>	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 <sub>HE</sub>	3430	kWhor GJ				
For heat pump combination heater:Yes							
Declared load profile	L			Water heating energy efficiency	η <sub>wh</sub>	106.82	%
Daily electricity consumption	Q <sub>elec</sub>	4.74	kWh	Annual electricity consumption	AEC	958.75	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						
(*) 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]				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 supplementary heater:				Yes			
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>	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	126	%
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>	4.29	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.20	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.76	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.05	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.52	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.84	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.03	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	5.76	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.13	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.40	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.58	– or%
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	P <sub>dh</sub>	5.76	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>	2.13	– 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>	1.60	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>	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 <sub>HE</sub>	3381	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	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						
(*) 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]				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 supplementary heater:				Yes			
Heat pump combination heater:				Yes			
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>	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	126	%
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>	4.29	kW	T <sub>j</sub> = − 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%
T <sub>j</sub> = + 2 °C	P <sub>dh</sub>	3.20	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	3.76	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.05	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	5.52	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.84	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.03	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	5.76	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.13	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	4.40	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	1.58	– or%
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C (if TOL < − 20 °C)	P <sub>dh</sub>	5.76	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>	2.13	– 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>	1.60	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>	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 <sub>HE</sub>	3381	kWhor GJ				
For heat pump combination heater:Yes							
Declared load profile	L			Water heating energy efficiency	η <sub>wh</sub>	106.82	%
Daily electricity consumption	Q <sub>elec</sub>	4.74	kWh	Annual electricity consumption	AEC	958.75	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						
(*) 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]				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 supplementary heater:				Yes			
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>	7.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	258	%
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>	9.09	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.83	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.12	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.99	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.57	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	9.09	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	9.09	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– 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	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	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 <sub>HE</sub>	1579	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	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						
(*) 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]				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 supplementary heater:				Yes			
Heat pump combination heater:				Yes			
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>	7.5	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	258	%
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>	9.09	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	5.83	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.12	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.99	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	8.57	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	9.09	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– or%
T <sub>j</sub> = operation limit temperature	P <sub>dh</sub>	9.09	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	4.11	– 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	—	3028	m³/h
Sound power level, indoors/ outdoors	L <sub>WA</sub>	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 <sub>HE</sub>	1579	kWhor GJ				
For heat pump combination heater:Yes							
Declared load profile	L			Water heating energy efficiency	η <sub>wh</sub>	134.7	%
Daily electricity consumption	Q <sub>elec</sub>	3.76	kWh	Annual electricity consumption	AEC	760.29	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						
(*) 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]				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 supplementary heater:				Yes			
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>	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	185	%
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>	6.97	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.42	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.24	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.72	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.68	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	6.97	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>	6.97	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– 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>	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 <sub>HE</sub>	1675	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	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						
(*) 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]				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 supplementary heater:				Yes			
Heat pump combination heater:				Yes			
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>	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	185	%
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>	6.97	kW	T <sub>j</sub> = + 2 °C	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– or%
T <sub>j</sub> = + 7 °C	P <sub>dh</sub>	4.42	kW	T <sub>j</sub> = + 7 °C	COP <sub>d</sub> or PER <sub>d</sub>	4.24	– or%
T <sub>j</sub> = + 12 °C	P <sub>dh</sub>	4.72	kW	T <sub>j</sub> = + 12 °C	COP <sub>d</sub> or PER <sub>d</sub>	6.68	– or%
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	6.97	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>	6.97	kW	T <sub>j</sub> = operation limit temperature	COP <sub>d</sub> or PER <sub>d</sub>	2.83	– 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>	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 <sub>HE</sub>	1675	kWhor GJ				
For heat pump combination heater:Yes							
Declared load profile	L			Water heating energy efficiency	η <sub>wh</sub>	134.7	%
Daily electricity consumption	Q <sub>elec</sub>	3.76	kWh	Annual electricity consumption	AEC	760.29	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						
(*) 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.							