Technical parameters							
Model(s):	Outdoor unit: ACHP-H06/4R3HA-O Indoor unit: ACHP-H06/4R3HA-I						
Air-to-water heat ump:	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						
Declared climate condition	Warmer						
Declared temperature application	Low						
Item	**Symbol**	**Value**	**Unit**	**Item**	**Symbol**	**Value**	**Unit**
Rated heat output(*)	Prated	6.1	kW	**Seasonal space heating energy efficiency**	η_s	254	%
Declared capacity for heating for part load at indoor temperature 20℃ and outdoor temperature T_j				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20℃ and outdoor temperature T_j			
T_j = -7℃	Pdh	-	kW	T_j = -7℃	COPd	-	-
T_j = +2℃	Pdh	5.85	kW	T_j = +2℃	COPd	3.91	-
T_j = +7℃	Pdh	3.92	kW	T_j = +7℃	COPd	5.89	-
T_j = +12℃	Pdh	1.74	kW	T_j = +12℃	COPd	8.20	-
T_j = bivalent temperature	Pdh	3.92	kW	T_j = bivalent temperature	COPd	5.89	-
T_j = operation limit temperature	Pdh	5.85	kW	T_j = operation limit temperature	COPd	3.91	-
For air-to-water heat pumps: Tj = -15℃ (if TOL < -20℃)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃ (if TOL < -20℃)	COPd	-	-
Bivalent temperature	T_{biv}	7	℃	For air-to-water heat pumps: Operation limit temperature	TOL	2	℃
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	℃
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)	Psup	0.25	kW
Thermostat-off mode	P_{TO}	0.030	kW	Type of energy input	Electricity		
Standby mode	P_{SB}	0.020	kW				
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m^3/h
Sound power level, indoors/outdoors	L_{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	1270	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

Technical parameters							
Model(s):	Outdoor unit: ACHP-H06/4R3HA-O Indoor unit: ACHP-H06/4R3HA-I						
Air-to-water heat ump:	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						
Declared climate condition	Warmer						
Declared temperature application	Medium						
Item	**Symbol**	**Value**	**Unit**	**Item**	**Symbol**	**Value**	**Unit**
Rated heat output(*)	Prated	5.1	kW	**Seasonal space heating energy efficiency**	η_s	157	%
Declared capacity for heating for part load at indoor temperature 20℃ and outdoor temperature T_j				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20℃ and outdoor temperature T_j			
T_j = -7℃	Pdh	-	kW	T_j = -7℃	COPd	-	-
T_j = +2℃	Pdh	4.85	kW	T_j = +2℃	COPd	2.48	-
T_j = +7℃	Pdh	3.28	kW	T_j = +7℃	COPd	3.67	-
T_j = +12℃	Pdh	1.46	kW	T_j = +12℃	COPd	5.29	-
T_j = bivalent temperature	Pdh	3.28	kW	T_j = bivalent temperature	COPd	3.67	-
T_j = operation limit temperature	Pdh	4.85	kW	T_j = operation limit temperature	COPd	2.48	-
For air-to-water heat pumps: Tj = -15℃ (if TOL < -20℃)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃ (if TOL < -20℃)	COPd	-	-
Bivalent temperature	T_{biv}	7	℃	For air-to-water heat pumps: Operation limit temperature	TOL	2	℃
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	℃
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)	Psup	0.25	kW
Thermostat-off mode	P_{TO}	0.030	kW	Type of energy input	Electricity		
Standby mode	P_{SB}	0.020	kW				
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m^3/h
Sound power level, indoors/outdoors	L_{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	1708	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9

Technical parameters							
Model(s):	Outdoor unit: ACHP-H06/4R3HA-O Indoor unit: ACHP-H06/4R3HA-I						
Air-to-water heat ump:	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						
Declared climate condition	Average						
Declared temperature application	Low						
Item	**Symbol**	**Value**	**Unit**	**Item**	**Symbol**	**Value**	**Unit**
Rated heat output(*)	Prated	6.8	kW	**Seasonal space heating energy efficiency**	η_s	194	%
Declared capacity for heating for part load at indoor temperature 20 ℃ and outdoor temperature T_j				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20℃ and outdoor temperature T_j			
T_j = -7℃	Pdh	6.00	kW	T_j = -7℃	COPd	3.24	-
T_j = +2℃	Pdh	3.66	kW	T_j = +2℃	COPd	4.98	-
T_j = +7℃	Pdh	2.35	kW	T_j = +7℃	COPd	6.38	-
T_j = +12℃	Pdh	1.05	kW	T_j = +12℃	COPd	9.67	-
T_j = bivalent temperature	Pdh	6.02	kW	T_j = bivalent temperature	COPd	3.24	-
T_j = operation limit temperature	Pdh	5.42	kW	T_j = operation limit temperature	COPd	2.90	-
For air-to-water heat pumps: T_j = -15℃ (if TOL < -20℃)	Pdh	-	kW	For air-to-water heat pumps: T_j = -15℃ (if TOL < -20℃)	COPd	-	-
Bivalent temperature	T_{biv}	-7	℃	For air-to-water heat pumps: Operation limit temperature	TOL	-10	℃
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	℃
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)	Psup	1.38	kW
Thermostat-off mode	P_{TO}	0.030	kW	Type of energy input	Electricity		
Standby mode	P_{SB}	0.020	kW				
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m^3/h
Sound power level, indoors/outdoors	L_{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	2853	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9

Technical parameters							
Model(s):	Outdoor unit: ACHP-H06/4R3HA-O Indoor unit: ACHP-H06/4R3HA-I						
Air-to-water heat ump:	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						
Declared climate condition	Average						
Declared temperature application	Medium						
Item	**Symbol**	**Value**	**Unit**	**Item**	**Symbol**	**Value**	**Unit**
Rated heat output(*)	Prated	6.3	kW	**Seasonal space heating energy efficiency**	η_s	134	%
Declared capacity for heating for part load at indoor temperature 20 ℃ and outdoor temperature T_j				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20℃ and outdoor temperature T_j			
T_j = -7℃	Pdh	5.57	kW	T_j = -7℃	COPd	2.20	-
T_j = +2℃	Pdh	3.39	kW	T_j = +2℃	COPd	3.42	-
T_j = +7℃	Pdh	2.18	kW	T_j = +7℃	COPd	4.36	-
T_j = +12℃	Pdh	0.97	kW	T_j = +12℃	COPd	6.89	-
T_j = bivalent temperature	Pdh	5.57	kW	T_j = bivalent temperature	COPd	2.20	-
T_j = operation limit temperature	Pdh	4.03	kW	T_j = operation limit temperature	COPd	1.85	-
For air-to-water heat pumps: T_j = -15℃ (if TOL < -20℃)	Pdh	-	kW	For air-to-water heat pumps: T_j = -15℃ (if TOL < -20℃)	COPd	-	-
Bivalent temperature	T_{biv}	-7	℃	For air-to-water heat pumps: Operation limit temperature	TOL	-10	℃
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	℃
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)	Psup	2.27	kW
Thermostat-off mode	P_{TO}	0.030	kW	Type of energy input	Electricity		
Standby mode	P_{SB}	0.020	kW				
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m^3/h
Sound power level, indoors/outdoors	L_{WA}	38/58	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	3812	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

Technical parameters							
Model(s):	Outdoor unit: ACHP-H06/4R3HA-O Indoor unit: ACHP-H06/4R3HA-I						
Air-to-water heat ump:	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						
Declared climate condition	Colder						
Declared temperature application	Low						
Item	**Symbol**	**Value**	**Unit**	**Item**	**Symbol**	**Value**	**Unit**
Rated heat output(*)	Prated	5.6	kW	**Seasonal space heating energy efficiency**	η_s	164	%
Declared capacity for heating for part load at indoor temperature 20℃ and outdoor temperature T_j				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20℃ and outdoor temperature T_j			
T_j = -7℃	Pdh	3.42	kW	T_j = -7℃	COPd	3.59	-
T_j = +2℃	Pdh	2.06	kW	T_j = +2℃	COPd	5.21	-
T_j = +7℃	Pdh	1.46	kW	T_j = +7℃	COPd	6.24	-
T_j = +12℃	Pdh	1.44	kW	T_j = +12℃	COPd	7.66	-
T_j = bivalent temperature	Pdh	4.59	kW	T_j = bivalent temperature	COPd	2.53	-
T_j = operation limit temperature	Pdh	3.48	kW	T_j = operation limit temperature	COPd	1.96	-
For air-to-water heat pumps: Tj = -15℃ (if TOL < -20℃)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15℃ (if TOL < -20℃)	COPd	-	-
Bivalent temperature	T_{biv}	-15	℃	For air-to-water heat pumps: Operation limit temperature	TOL	-22	℃
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	℃
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)	Psup	2.12	kW
Thermostat-off mode	P_{TO}	0.030	kW	Type of energy input	Electricity		
Standby mode	P_{SB}	0.020	kW				
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m^3/h
Sound power level, indoors/outdoors	L_{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	3314	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

Technical parameters							
Model(s):	Outdoor unit: ACHP-H06/4R3HA-O Indoor unit: ACHP-H06/4R3HA-I						
Air-to-water heat ump:	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						
Declared climate condition	Colder						
Declared temperature application	Medium						
Item	**Symbol**	**Value**	**Unit**	**Item**	**Symbol**	**Value**	**Unit**
Rated heat output(*)	Prated	4.3	kW	**Seasonal space heating energy efficiency**	η_s	110	%
Declared capacity for heating for part load at indoor temperature 20℃ and outdoor temperature T_j				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20℃ and outdoor temperature T_j			
T_j = -7℃	Pdh	2.69	kW	T_j = -7℃	COPd	2.46	-
T_j = +2℃	Pdh	1.60	kW	T_j = +2℃	COPd	3.36	-
T_j = +7℃	Pdh	1.02	kW	T_j = +7℃	COPd	3.94	-
T_j = +12℃	Pdh	1.37	kW	T_j = +12℃	COPd	6.35	-
T_j = bivalent temperature	Pdh	3.47	kW	T_j = bivalent temperature	COPd	1.86	-
T_j = operation limit temperature	Pdh	2.09	kW	T_j = operation limit temperature	COPd	1.13	-
For air-to-water heat pumps: T_j = -15℃ (if TOL < -20℃)	Pdh	-	kW	For air-to-water heat pumps: T_j = -15℃ (if TOL < -20℃)	COPd	-	-
Bivalent temperature	T_{biv}	-15	℃	For air-to-water heat pumps: Operation limit temperature	TOL	-22	℃
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	℃
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)	Psup	2.2	kW
Thermostat-off mode	P_{TO}	0.030	kW	Type of energy input	Electricity		
Standby mode	P_{SB}	0.020	kW				
Crankcase heater mode	P_{CK}	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m^3/h
Sound power level, indoors/outdoors	L_{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	Q_{HE}	3760	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(T_j).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9