Product Fiche

Technical parameters							
Model(s):	ACHP-H04/4R3HA-M (NE)						
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	5.5	kW	Seasonal space heating energy efficiency	ηs	252	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	'=-7°C	COPd	-	-
Tj = +2°C	Pdh	5.37	kW	Tj = +2°C	COPd	3.94	-
Tj = +7°C	Pdh	3.54	kW	Tj = +7°C	COPd	5.82	-
Tj = +12°C	Pdh	1.57	kW	Tj = +12°C	COPd	7.91	-
Tj = bivalent temperature	Pdh	3.54	kW	Tj = bivalent temperature	COPd	5.82	-
Tj = operation limit temperature	Pdh	5.37	kW	Tj = operation limit temperature	COPd	3.94	-
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.13	kW
Thermostat-off mode	PTO	0.030	kW	Type of energy input	Electricity		
Standby mode	PsB	0.020	kW				
Crankcase heater mode	PcK	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	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	QHE	1151	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Owh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, 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 Psup is equal to the supplementary capacity for heating sup(Tj).

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

Product Fiche

Technical parameters							
Model(s):	ACHP-H04/4R3HA-M (NE)						
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	kW	Seasonal space heating energy efficiency	ηs	161	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = +2°C	Pdh	4.87	kW	Tj = +2°C	COPd	2.51	-
Tj = +7°C	Pdh	3.21	kW	Tj = +7°C	COPd	3.62	-
Tj = +12°C	Pdh	1.43	kW	Tj = +12°C	COPd	5.15	-
Tj = bivalent temperature	Pdh	3.21	kW	Tj = bivalent temperature	COPd	3.62	-
Tj = operation limit temperature	Pdh	4.87	kW	Tj = operation limit temperature	COPd	2.51	-
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj=-15°C(ifTOL<-20°C)	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.13	kW
Thermostat-off mode	PTO	0.030	kW	Type of energy input	Electricity		
Standby mode	PSB	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	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	QHE	1627	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Owh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, 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 Psup is equal to the supplementary capacity for heating sup(Tj).

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

Product Fiche

Technical parameters							
Model(s):	ACHP-H04/4R3HA-M (NE)						
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	5.5	kW	Seasonal space heating energy efficiency	ηs	195	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	4.87	kW	Tj = -7°C	COPd	2.96	
Tj = +2°C	Pdh	2.9	kW	Tj = +2°C	COPd	4.84	
Tj = +7°C	Pdh	1.90	kW	Tj = +7°C	COPd	6.46	
Tj = +12°C	Pdh	0.85	kW	Tj = +12°C	COPd	9.62	
Tj = bivalent temperature	Pdh	4.87	kW	Tj = bivalent temperature	COPd	2.96	
Tj = operation limit temperature	Pdh	4.34	kW	Tj = operation limit temperature	COPd	2.86	
For air-to-water heat pumps: Tj=-15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	PQFF	0.020	kW	Rated heat output (*)	Psup	1.16	kW
Thermostat-off mode	PTO	0.030	kW	Type of energy input	Electricity		
Standby mode	PsB	0.020	kW				
Crankcase heater mode	PcK	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated airflow rate, outdoors	-	2800	m^3/h
Sound power level	LWA	-	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	QHE	2295	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Hwh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, 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 Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

Product Fiche

Technical parameters							
Model(s):	ACHP-H04/4R3HA-M (NE)						
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	5.5	kW	Seasonal space heating energy efficiency	ηs	133	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	4.87	kW	Tj = -7°C	COPd	1.84	-
Tj = +2°C	Pdh	2.96	kW	Tj = +2°C	COPd	3.48	-
Tj = +7°C	Pdh	1.90	kW	Tj = +7°C	COPd	4.28	-
Tj = +12°C	Pdh	0.85	kW	Tj = +12°C	COPd	6.58	-
Tj = bivalent temperature	Pdh	4.87	kW	Tj = bivalent temperature	COPd	1.84	-
Tj = operation limit temperature	Pdh	5.50	kW	Tj = operation limit temperature	COPd	1.83	-
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C (ifTOL<-20°C)	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	2.08	kW
Thermostat-off mode	PTO	0.030	kW	Type of energy input	Electricity		
Standby mode	PSB	0.020	kW				
Crankcase heater mode	PcK	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	LWA	57	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	QHE	3321	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Owh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, 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 Psup is equal to the supplementary capacity for heating sup(Tj).

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

Product Fiche

Technical parameters							
Model(s):	ACHP-H04/4R3HA-M (NE)						
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	4.6	kW	Seasonal space heating energy efficiency	ηs	157	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	2.75	kW	Tj = -7°C	COPd	3.50	
Tj = +2°C	Pdh	1.77	kW	Tj = +2°C	COPd	4.95	
Tj = +7°C	Pdh	1.17	kW	Tj = +7°C	COPd	5.53	
Tj = +12°C	Pdh	1.43	kW	Tj = +12°C	COPd	7.67	
Tj = bivalent temperature	Pdh	3.72	kW	Tj = bivalent temperature	COPd	2.57	
Tj = operation limit temperature	Pdh	2.80	kW	Tj = operation limit temperature	COPd	1.97	-
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	COPd	-	-
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	°C
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	1.80	kW
Thermostat-off mode	PTO	0.030	kW	Type of energy input	Electricity		
Standby mode	PSB	0.020	kW				
Crankcase heater mode	PCK	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	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	QHE	2833	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Owh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, 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 Psup is equal to the supplementary capacity for heating sup(Tj).

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

Product Fiche

Technical parameters							
Model(s):	ACHP-H04/4R3HA-M (NE)						
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	3.4	kW	Seasonal space heating energy efficiency	ηs	101	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	2.14	kW	Tj = -7°C	COPd	2.32	
Tj = +2°C	Pdh	1.28	kW	Tj = +2°C	COPd	2.99	
Tj = +7°C	Pdh	1.02	kW	Tj = +7°C	COPd	3.86	
Tj = +12°C	Pdh	1.37	kW	Tj = +12°C	COPd	6.28	
Tj = bivalent temperature	Pdh	2.74	kW	Tj = bivalent temperature	COPd	1.74	
Tj = operation limit temperature	Pdh	1.64	kW	Tj = operation limit temperature	COPd	1.02	-
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	COPd	-	-
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	°C
Power consumption in modes other than active mode				Supplemantary heater			
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	1.76	kW
Thermostat-off mode	PTO	0.030	kW	Type of energy input	Electricity		
Standby mode	PsB	0.020	kW				
Crankcase heater mode	P(3K	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	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h
Annual energy consumption	QHE	3233	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Hwh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, 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 Psup is equal to the supplementary capacity for heating sup(Tj).

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