			Тес	chnical parameters								
Model(s):		ACHP-I		*	NE)							
Air-to-water heat ump:		ACHP-H04/4R3HA-ME ACHP-H04/4R3HA-M (NE) ves										
Water-to-water heat pump:		no										
Brine-to-water heat pump:		no										
Low-temperature heat pump:		no										
		no										
Heat pump combination heater:		no										
Declared climate condition		Warmer	Warmer									
Declared temperature application	n	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 par 20°C and outdoor temperature Tj	rt load at in	door temp	erature	Declared coefficient of performance or primat indoor temperature 20°C and outdoor te			part load					
Tj = -7°C	Pdh	-	kW	'=-7°C	COPd	-	-					
Tj = +2°C	Pdh	5.37	kW	Tj = +2°C	COPd	3.94	=					
$Tj = +7^{\circ}C$	Pdh	3.54	kW	$Tj = +7^{\circ}C$	COPd	5.82	-					
$Tj = +12^{\circ}C$	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	Thiv	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 of	her than a	ctive mo	de	Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.13	kW					
Thermostat-off mode	Рто	0.030	kW									
Standby mode	PsB	0.020	kW	Type of energy input		Electricity	y					
Crankcase heater mode	PcK	0.000	kW									
Other items	ı	1			1							
Capacity control	V	√ariable		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,	_	_	m ³ /h					
Annual energy consumption	QHE	1151	kWh	outdoor heat exchanger			111/11					
For heat pump combination heat					•							
Declaed load profile		-		Water heating energy efficiency	Owh	-	%					
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh					
Contact details	AUX Co. 1166 Min	, Ltd gguang N	North R	toad, Jiangshan Yinzhou District, Ningbo, 3	315191 Zh		nina					
	-	-		on heaters, the rated heat output Prated is entary heater Psup is equal to the supplemen	•	-						

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

			,	Technical parameters								
Madal(a)		ACHP-H04/4R3HA-ME ACHP-H04/4R3HA-M (NE)										
Water-to-water heat pump:		yes										
			00									
<u> </u>												
1 1 1		no										
Equipped with a supplementar		no										
Heat pump combination heater:		no										
Declared climate condition		Warmei										
Declared temperature applicat	ion	Mediun	1	T	1							
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			loor	tem Symbol Value Unit easonal space heating energy efficiency ns 161 % Declared coefficient of performance or primary energy ratio for part load at andoor temperature 20°C and outdoor temperature Tj Tij = -7°C COPd - - Tij = +2°C COPd 3.62 - Tij = +12°C COPd 3.62 - Tij = bivalent temperature COPd 3.62 - Tij = operation limit temperature COPd 3.62 - Tij = operation limit temperature COPd 2.51 - To air-to-water heat pumps: Operation limit temperature COPd - - To rair-to-water heat pumps: Operation limit temperature COPd - - Tol. 2 °C Typeling interval efficiency COPcyc - - Tol. 2 COPcyc - - Tol. 2 COPcyc - - Tol. 3 Tol. 4 Tol. 4 Tol. 4 Tol. 5 Tol. 5 Tol. 5 Tol. 5 Tol. 6 Tol. 5 Tol. 6 Tol. 5 Tol. 7 Tol. 6 Tol. 5 Tol. 8 Tol. 6 Tol. 6 Tol. 9 Tol. 6 Tol. 6 Tol. 10 Tol. 6 Tol. 11 Tol. 6 Tol. 12 Tol. 6 Tol. 13 Tol. 6 Tol. 14 Tol. 6 Tol. 15 Tol. 6 Tol. 16 Tol. 6 Tol. 17 Tol. 6 Tol. 18 Tol. 6 Tol. 18 Tol. 6 Tol. 19 Tol. 6 Tol. 10 Tol. 6 Tol.								
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	$Tj = +7^{\circ}C$	COPd	3.62	-					
$T_i = +12$ °C	Pdh	1.43	kW	$T_j = +12^{\circ}C$	COPd	5.15	_					
Tj = bivalent temperature	Pdh	3.21	kW	Tj = bivalent temperature	COPd	3.62	_					
Tj = operation limit	D 11	4.07	1 337		GOD 1	0.51						
temperature	Pdh	4.87	kW	Ij = operation limit temperature	СОРа	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	СОРсус	-	-					
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C					
Power consumption in modes	other than	active r	node	Supplementary heater								
Off mode	Poff	0.020	kW	•	Psup	0.13	kW					
Thermostat-off mode	Рто	0.030	kW	Ture new curput ()	1 544	10.12	11.11					
Standby mode	P _{SB}	0.020	kW	Type of energy input		Electricity	7					
Crankcase heater mode	P CK	0.000	kW			,						
Other items												
Capacity control	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ariable		For air-to-water heat pumps: Rated air flow	_	2800	m ³ /h					
Sound power level	LWA	-	dB	For water-/brine-to-water heat pumps:Rated			3 n.					
Annual energy consumption	QHE	1627	kWh	exchanger	_	_	m ⁻ /h					
For heat pump combination he	ater				,							
Declaed load profile		_		Water heating energy efficiency	Owh		%					
Daily electricity consumption	Qelec		kWh	Daily fuel consumption	Qfuel	-	kWh					
Contact details	Contact details AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China											
heating Pdesignh, and the rate sup(Tj).	d heat out	put of a	suppler	ation heaters, the rated heat output Prated is equentary heater Psup is equal to the supplementate default degradation coefficient is $Cdh = 0.9$		_						

			Techni	cal parameters								
Model(s):			ACHP-H04/4R3HA-ME ACHP-H04/4R3HA-M (NE)									
Air-to-water heat ump:		yes										
Water-to-water heat pump:												
Brine-to-water heat pump:												
Low-temperature heat pump:												
Equipped with a supplementary heater:												
			no									
			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 and outdoor temperature Tj	at indoor to	emperatur	re 20°C	Declared coefficient of performance or primat indoor temperature 20°C and outdoor to			part loa					
Tj = -7°C	Pdh	4.87	kW	Tj = -7°C	COPd	2.96						
$Tj = +2^{\circ}C$	Pdh	2.9		$T_i = +2^{\circ}C$	COPd	4.84						
$T_i = +7^{\circ}C$	Pdh	1.90	1	$T_i = +7^{\circ}C$	COPd	6.46						
Tj = +12°C	Pdh	0.85	1	$T_i = +12^{\circ}C$	COPd	9.62						
Tj = bivalent temperature	Pdh	4.87		Tj = bivalent temperature	COPd	2.96						
Tj = operation limit temperature	Pdh	4.34	1	Tj = operation limit temperature	COPd	2.86						
For air-to-water heat pumps:		7.57	LW/	For air-to-water heat pumps: Tj =		2.00						
Tj=-15°C(ifTOL<-20°C)	Pdh	-		-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	WTOI	60	°C					
Power consumption in modes other the	an active	mode		Supplemantary heater								
Off mode	PQFF	0.020	kW	Rated heat output (*)	Psup	1.16	kW					
Thermostat-off mode	Рто	0.030	kW	Tanto non conput ()	1300	1110	11.11					
Standby mode	PsB	0.020		Type of energy input	l E	7						
Crankcase heater mode	PcK	0.000	kW									
Other items		1			ı							
Capacity control	7	/ariable		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:								
Annual energy consumption	QHE	2295	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h					
For heat pump combination heater	I	1	1	<u>-</u>	1	1						
Declaed load profile				Water heating energy efficiency	Hwh		%					
	0.1	<u>-</u>	1.3371	0 0,	1	-						
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh					
Contact details	AUX Co 1166 Mir		North 1	Road, Jiangshan Yinzhou District, Ningbo	, 315191 Z	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

			Тос	hnical parameters									
Model(s):		Technical parameters ACHP-H04/4R3HA-ME ACHP-H04/4R3HA-M (NE)											
		yes											
		no 											
		no											
Low-temperature heat pump:		no											
Equipped with a supplementar		no											
Heat pump combination heater	r:	no											
Declared climate condition		Average	<u>e </u>										
Declared temperature applicat	ion	Mediun	1										
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 perfect temperature 20°C and outdoor 20°C and outdoor 20°C and outdoor 20°C and outdoor 20°C and o				Declared coeffient of performance or pr load at indoor temperature 20°C and our	-		-						
Tj = -7°C	Pdh	4.87	kW	Tj = -7°C	COPd	1.84	-						
$Tj = +2^{\circ}C$	Pdh	2.96	kW	$Tj = +2^{\circ}C$	COPd	3.48	ı						
$T_i = +7^{\circ}C$	Pdh	1.90	kW	$T_i = +7^{\circ}C$	COPd	4.28	ı						
$T_i = +12$ °C	Pdh	0.85	kW	$T_i = +12$ °C	COPd	6.58	-						
Tj = bivalent temperature		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:				For air-to-water heat pumps:									
Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	$T_i = -15^{\circ}C \text{ (ifTOL} < -20^{\circ}C)$	COPd	-	-						
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C						
Cycling interval capacity for													
heating	Peych	-	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 r	node	Supplemantary heater	I								
Off mode	1	0.020	kW	Rated heat output (*)	Psup	2.08	kW						
Thermostat-off mode	Рто	0.030	kW	raica near output ()	Тзар	2.00	K 11						
Standby mode	PSB	0.020		Type of energy input	l F	Electricity	v						
Crankcase heater mode	PcK	0.000	kW	Type or energy input			,						
Other items	TCK	0.000	K VV	<u> </u>	1								
Other items	T			Transfer to the last of the Date of the last of the la									
Capacity control	V	ariable		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,	_	_	m ³ /h						
Annual energy consumption	Оне	3321	kWh	outdoor heat exchanger									
For heat pump combination he		2221	hz 44 11	<u>-</u>	1								
Declaed load profile				Water heating energy efficiency	Owh	_	%						
_	0.1	- 	1_33.71										
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh						
Contact details	AUX Co. 1166 Mir		North :	Road, Jiangshan Yinzhou District, Ningb	00, 315191	Zhejiang	g, China						
(*) For heat pump space heater	s and heat	pump c	ombina	ation heaters, the rated heat output Prated	is equal to	the desig	n load for						

^(*) 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

			Tec	hnical parameters								
Model(s):		ACHP.		R3HA-ME ACHP-H04/4R3HA-M	(NF)							
Air-to-water heat ump:		yes										
		no										
• •		no										
1 1		no										
Equipped with a supplementar		no										
Heat pump combination heater: Declared climate condition		no Colder										
Declared temperature applicat		Low	TT 1.	Tr.	G 1 1	x 7 1	TT 1/					
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 pattern temperature 20°C and outdoor				Declared coefficient 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	$Tj = -7^{\circ}C$	COPd	3.50						
$Tj = +2^{\circ}C$	Pdh	1.77	kW	Tj = +2°C	COPd	4.95						
$Ti = +7^{\circ}C$	Pdh	1.17	kW	$T_j = +7^{\circ}C$	COPd	5.53						
Ti = +12°C	Pdh	1.43	kW	$T_i = +12$ °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: $T_i = -15$ °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 r	node	Supplemantary heater		ı						
Off mode		0.020	kW	Rated heat output (*)	Psup	1.80	kW					
Thermostat-off mode		0.030	kW	The state of the s	1 3 4 7	1100	22.11					
Standby mode	PSB	0.020		Type of energy input	1	Electricit	v					
Crankcase heater mode	PCK	0.000	kW	- VI - V - V - O - I]		,					
Other items	I ICK	10.000	1 14.44	I.	1							
Capacity control	V	ariable		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,	_	_	m ³ /h					
Annual energy consumption	Qне	2833	kWh	outdoor heat exchanger		_	111 /11					
For heat pump combination he	ater											
Declaed load profile		-		Water heating energy efficiency	Owh	_	%					
•	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWh					
Contact details	AUX Co.	, Ltd		Road, Jiangshan Yinzhou District, Ningb	1	<u> </u>						

^(*) 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

			Tec	chnical parameters								
Model(s):			ACHP-H04/4R3HA-ME 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 supplementar	y heater:	no										
Heat pump combination heater	r:	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 particle temperature 20°C and outdoor 20°C and ou				Seasonal space heating energy efficiency η_{S} 101 % Declared coefficiency η_{S} 101 % Declared coefficiency η_{S} 101 % Declared coefficient of performance or primary energy ratio for part oad at indoor temperature 20°C and outdoor temperature Tj $Tj = -7^{\circ}\text{C}$ $COPd$ 2.32 $Tj = +2^{\circ}\text{C}$ $COPd$ 2.99 $Tj = +7^{\circ}\text{C}$ $COPd$ 3.86 $Tj = +12^{\circ}\text{C}$ $COPd$ 6.28 $Tj = \text{bivalent temperature}$ $COPd$ 1.74 $Tj = \text{operation limit temperature}$ $COPd$ 1.02 - For air-to-water heat pumps: $Tj = -15^{\circ}\text{C}(\text{if}TOL < -20^{\circ}\text{C})$ For air-to-water heat pumps: Operation imit temperature Cycling interval efficiency $COPcyc$ Heating water operating limit WTOL 52 °C								
Tj = -7°C	Pdh	2.14	kW	$T_i = -7^{\circ}C$	COPd	2.32						
$Ti = +2^{\circ}C$	Pdh	1.28	kW	Ti = +2°C								
$Ti = +7^{\circ}C$	Pdh	1.02	kW	$Ti = +7^{\circ}C$								
$Ti = +12^{\circ}C$	Pdh	1.37	kW	J								
Tj = bivalent temperature	Pdh	2.74	kW	7								
Tj = operation limit temperature	Pdh	1.64	kW	Tj = operation limit temperature			-					
For air-to-water heat pumps: $Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	Pdh	_	kW	For air-to-water heat pumps: Ti = -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 r	node	Supplementary heater		<u> </u>						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	1.76	kW					
Thermostat-off mode	Рто	0.030	kW	, , , , , , , , , , , , , , , , , , ,	_ = = = p	,	44.11					
Standby mode Crankcase heater mode	PsB P(3K	0.020	kW kW	Type of energy input	J	Electricity	/					
Other items	1	<u> </u>	II		ı							
Capacity control	V	⁷ ariable		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,	_	_	m ³ /h					
Annual energy consumption	Оне	3233	kWh	outdoor heat exchanger			111 / 11					
For heat pump combination he		•	•									
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											

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