			Tech	nnical parameters							
Model(s):		ACHP-		*	ACHP-H	12/5R3H.	A-ME				
Air-to-water heat ump:		yes									
		no									
Brine-to-water heat pump:		no									
Low-temperature heat pump:		no									
Equipped with a supplementary hea	iter:	no									
Heat pump combination heater:		no									
Declared climate condition			r								
Declared temperature application	1	Low		T.	1	·					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	11.1	kW	Seasonal space heating energy efficiency	ηs	254	%				
Declared capacity for heating for part lo 20 °C and outdoor temperature Tj	oad at indoo	r tempera	ture	Declared coefficient of performance or primar indoor temperature 20°C and outdoor and outdo		atio for pa	ırt load a				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	10.90	kW	Tj = +2°C	COPd	3.59	_				
Tj = +7°C	Pdh	7.14	kW	$Tj = +7^{\circ}C$	COPd	5.82	-				
Tj = +12°C	Pdh	3.17	kW	Tj = +12°C	COPd	7.94	-				
Tj = bivalent temperature	Pdh	7.14	kW	Tj = bivalent temperature	COPd	5.82	-				
Tj = operation limit temperature	Pdh	10.90	kW	Tj = operation limit temperature	COPd	3.59	-				
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	Peych	-	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 activ	e mode		Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.20	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input	E	Electricity	•				
Crankcase heater mode	PcK	0.000	kW								
Other items											
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h				
Sound power level	Lwa	_	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m ³ /h				
Annual energy consumption	Оне	2308	kWh	exchanger							
For heat pump combination heater		•				I					
Declaed load profile		_		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWh				
Contact details	AUX Co. 1166 Mir		North :	Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zho	ejiang, Cl	nina				

^(*) 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-		•	ACHP-H1	2/5R3HA	-ME				
Air-to-water heat ump:		yes		110111 1112 1110111 1112 (112)			11112				
		no									
		no									
		no									
Equipped with a supplementary heat	er:	no									
Heat pump combination heater:		no									
Declared climate condition		Warme	r								
Declared temperature application		Mediun	n		•						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.1	kW	Seasonal space heating energy efficiency	ηѕ	176	%				
Declared capacity for heating for part load at indoor te 20 °C and outdoor temperature Tj			ture	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		tio for pa	rt load a				
Tj = -7°C	Pdh	-	kW	$Tj = -7^{\circ}C$	COPd	-	-				
$Tj = +2^{\circ}C$	Pdh	13.9	kW	Tj=+2°C	COPd	2.54	_				
$Tj = +7^{\circ}C$	Pdh	9.06	kW	Tj=+7°C	COPd	3.56	-				
Tj = +12°C	Pdh	4.03	kW	Tj=+12°C	COPd	6.16	-				
Tj = bivalent temperature	Pdh	9.06	kW	Tj = bivalent temperature	COPd	3.56	-				
Tj = operation limit temperature	Pdh	13.9	kW	Tj = operation limit temperature	COPd	2.54	_				
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	Peych	-	kW	Cycling interval efficiency	СОРсус	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other t	han activ	e mode		Supplemantary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.20	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input	F	Electricity	ity				
Crankcase heater mode	P CK	0.000	kW	1							
Other items		•									
Capacity control	7	/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	4650	m ³ /h				
Sound power level	Lwa	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m ³ /h				
Annual energy consumption	QHE	4206	kWh	exchanger							
For heat pump combination heater	, <u>, , , , , , , , , , , , , , , , , , </u>			1	1	I					
Declaed load profile		_		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh				
Contact details	AUX Co			Road, Jiangshan Yinzhou District, Ningbo, 31	· ·	iang, Chi					

^(*) 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

			Techi	nical parameters						
Model(s):	ACHP-		R3HA-ME ACHP-H12/4R3HA-M (NE)	ACHP-H	12/5R3H.	A-ME				
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 heate	er:	no								
Heat pump combination heater:		no								
Declared climate condition		Average	e							
Declared temperature application	1	Low	ı	T	T	1				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output。)	Prated	12.2	kW	Seasonal space heating energy efficiency	ηѕ	194	%			
Declared capacity for heating for part load and outdoor temperature Tj	at indoor t	emperatu	re 20 °C	Declared coeffient of performance or prima at indoor temperature 20°C and outdoor temperature 20°C.			part load			
Tj = -7°C	Pdh	10.79	kW	Tj = -7°C	COPd	3.02	-			
$Tj = +2^{\circ}C$	Pdh	6.57	kW	Tj=+2°C	COPd	4.83	_			
Tj = +7°C	Pdh	4.22	kW	Tj= +7°C	COPd	6.27	Ū			
Tj = +12°C	Pdh	1.88	kW	Tj=+12°C	COPd	9.38	-			
Tj = bivalent temperature	Pdh	10.79	kW	Tj = bivalent temperature	COPd	3.02	ı			
Tj = operation limit temperature	Pdh	10.10	kW	Tj = operation limit temperature	COPd	2.61	1			
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 the	nan active	mode		Supplemantary heater						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	2.10	kW			
Thermostat-off mode	Рто	0.030	kW							
Standby mode	PSB	0.020	kW	Type of energy input		Electricity	ÿ			
Crankcase heater mode	Рск	0.000	kW			•				
Other items	1		1	L	I					
Capacity control	1	/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	4650	m ³ /h			
Sound power level	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	_	m ³ /h			
Annual energy consumption	Qне	5114	kWh	outdoor heat exchanger						
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 1166 Mii		North :	Road, Jiangshan Yinzhou District, Ningbo,	315191 Zł	nejiang, C	 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

			Techni	ical parameters							
Model(s):		ACHP-H12/4R3HA-ME ACHP-H12/4R3HA-M (NE) ACHP-H12/5R3HA-ME									
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 heate	r:	no									
Heat pump combination heater:		no									
Declared climate condition			Average								
Declared temperature application	1	Mediun	1 	T	1	I					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	139	%				
Declared capacity for heating for part load and outdoor temperature Tj	at indoor t	emperatu	perature 20°C Declared coefficient of performance or primary energy ratio for at indoor temperature 20°C and outdoor temperature Tj								
Tj = -7°C	Pdh	10.62	kW	Tj = -7°C	COPd	2.11	-				
Tj = +2°C	Pdh	6.46	kW	$Tj = +2^{\circ}C$	COPd	3.43	-				
$Tj = +7^{\circ}C$	Pdh	4.15	kW	$Tj = +7^{\circ}C$	COPd	4.59					
$Tj = +12^{\circ}C$	Pdh	1.85	kW	$Tj = +12^{\circ}C$	COPd	6.90	-				
Tj = bivalent temperature	Pdh	10.62	kW	Tj = bivalent temperature	COPd	2.11	1				
Tj = operation limit temperature	Pdh	9.16	kW	Tj = operation limit temperature	COPd	2.68	-				
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: $Tj = -15^{\circ}C$ (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 th	an active	mode		Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	2.84	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input	1	Electricity	y				
Crankcase heater mode	PcK	0.000	kW								
Other items	•				•						
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h				
Sound power level	LWA	63	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	_	m ³ /h				
Annual energy consumption	QHE	6982	kWh	outdoor heat exchanger							
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 1166 Mir		North 1	Road, Jiangshan Yinzhou District, Ningbo	, 315191 2	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

			Techn	ical parameters						
Model(s):			ACHP-H12/4R3HA-ME ACHP-H12/4R3HA-M (NE) ACHP-H12/5R3HA-ME							
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 heate	r:	no								
Heat pump combination heater: Declared climate condition		no Colder								
Declared temperature application		Low								
			T	L		L., 1				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat outputf*)	Prated	11.4	kW	Seasonal space heating energy efficiency	ηs	159	%			
Declared capacity for heating for part load and outdoor temperature Tj	l at indoor 1	temperatu	re 20°C	Declared coeffient of performance or primat indoor temperature 20°C and outdoor to			part lo			
$Tj = -7^{\circ}C$	Pdh	7.05	kW	Tj = -7°C	COPd	3.48	_			
Tj = +2°C	Pdh	4.67	kW	Tj = +2°C	COPd	4.96	_			
$Tj = +7^{\circ}C$	Pdh	3.14	kW	$Tj = +7^{\circ}C$	COPd	6.10	-			
Tj = +12°C	Pdh	3.57	kW	Tj = +12°C	COPd	7.87	_			
Tj = bivalent temperature	Pdh	9.28	kW	Tj = bivalent temperature	COPd	2.59	_			
Tj = operation limit temperature	Pdh	7.01	kW	Tj = operation limit temperature	COPd	1.98	_			
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 th	nan active	mode		Supplemantary heater						
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	4.39	kW			
Thermostat-off mode	P TO	0.030	kW	,	- 2 - -P					
Standby mode	PsB	0.020	kW	Type of energy input]	Electricity	y			
Crankcase heater mode	PcK	0.000	kW							
Other items		•		•						
Capacity control		/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	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	6926	kWh	outdoor heat exchanger						
For heat pump combination heater										
Declaed load profile		-		Water heating energy efficiency	Owh	-	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWł			
Contact details	AUX Co 1166 Mii		North :	Road, Jiangshan Yinzhou District, Ningbo	, 315191 2	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

			Techn	ical parameters							
Model(s):			ACHP-H12/4R3HA-ME ACHP-H12/4R3HA-M (NE) ACHP-H12/5R3HA-ME								
Air-to-water heat ump:		yes									
• •		no									
* *		no									
		no	no								
Equipped with a supplementary heate	r:	no	no								
Heat pump combination heater: Declared climate condition		no	no Colder								
Declared temperature application		Mediun	<u> </u>								
	C1 1			T	G1 1	X7.1 .	T.T., 34				
Item	Symbol	Value	Unit	Item	Symbol	vaiue	Unit				
Rated heat output(*)	Prated	10.3	kW	Seasonal space heating energy efficiency	ηs	117	%				
Declared capacity for heating for part load and outdoor temperature Tj	l at indoor	temperatu	re 20°C	Declared coeffient of performance or primat indoor temperature 20°C and outdoor to			r part lo				
Tj = -7°C	Pdh	6.63	kW	Tj = -7°C	COPd	2.63	-				
$Tj = +2^{\circ}C$	Pdh	4.06	kW	$Tj = +2^{\circ}C$	COPd	3.60	_				
$Tj = +7^{\circ}C$	Pdh	2.78	kW	$Tj = +7^{\circ}C$	COPd	4.54	_				
Tj = +12°C	Pdh	3.33	kW	Tj = +12°C	COPd	6.25	-				
Γj = bivalent temperature	Pdh	8.41	kW	Tj = bivalent temperature	COPd	1.84	_				
Tj = operation limit temperature	Pdh	4.19	kW	Tj = operation limit temperature	COPd	1.13	-				
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	СОРсус	-	_				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	°C				
Power consumption in modes other th	nan active	mode		Supplemantary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	6.11	kW				
Thermostat-off mode	РТО	0.030	kW			1					
Standby mode	PSB	0.020	kW	Type of energy input]	Electricit	y				
Crankcase heater mode	P CK	0.000	kW	1							
Other items	1	1	1	<u> </u>	1						
Capacity control	7	Variable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	4000	m ³ /ł				
Sound power level	Lwa	-	dB	For water-/b ri n e-to-water heat pumps:Rated brine or water flow rate,	-	-	m ³ /ł				
Annual energy consumption	Qне	8453	kWh	outdoor heat exchanger							
For heat pump combination heater											
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWl				
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