			Te	chnical parameters								
Model(s):		ACHP-										
Air-to-water heat ump: yes												
Water-to-water heat pump:												
			no									
			no									
Equipped with a supplementary heater:			no									
Heat pump combination heater:		no										
Declared climate condition		Warme	r									
Declared temperature application Low												
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	8.6	kW	Seasonal space heating energy efficiency	ηs	267	%					
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Seasonal space heating energy efficiency Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj $Tj = -7^{\circ}\text{C}$ $Tj = +2^{\circ}\text{C}$ $COPd $								
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-					
$Tj = +2^{\circ}C$	Pdh	8.20	kW	Tj = +2°C	COPd	3.84						
Tj = +7°C	Pdh	5.53	kW	$Tj = +7^{\circ}C$	COPd	5.85	_					
Tj = +12°C	Pdh	2.46	kW	Tj = +12°C	COPd	9.04	_					
Tj = bivalent temperature	Pdh	5.53	kW	Tj = bivalent temperature	COPd	5.85	-					
Tj = operation limit temperature	Pdh	8.20	kW	Tj = operation limit temperature	COPd	3.84	-					
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	COPcyc	-	-					
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C					
Power consumption in modes other	r than acti	ve mode	;	Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.40	kW					
Thermostat-off mode	1	0.030	kW			Į.						
Standby mode	Гѕв	0.020	kW	Type of energy input	1	Electricity	/					
Crankcase heater mode	PcK	0.000	kW									
Other items	•		•		•							
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	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	Qне	1701	kWh	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, 315	191 Zhejia	ang, Chin	a					

^(*) 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

			Tecl	nnical parameters								
Model(s):				R3HA-ME ACHP-H10/4R3HA-M (NE)								
Air-to-water heat ump:		yes										
		no	no									
Brine-to-water heat pump:		no	no									
Low-temperature heat pump:		no	no									
Equipped with a supplementary heater	er:	no	10									
Heat pump combination heater:		no Warme										
		Mediun										
Declared temperature application	I		1									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output。)	Prated	14.1	kW	Seasonal space heating energy efficiency	ηs	171	%					
Declared capacity for heating for part load and outdoor temperature Tj	at indoor	temperatu	ire 20°C	Declared coeffient of performance or primary indoor temperature 20°C and outdoor temperature 20°C and outdoor temperature 20°C.		tio for pa	art load a					
Tj = -7°C	Pdh	_	kW	Tj = -7°C	COPd	_	-					
Tj = +2°C	Pdh	13.7	kW	*	COPd	2.49	-					
$Tj = +7^{\circ}C$	Pdh	9.06	kW	Tj = +7°C	COPd	3.46	-					
Tj = +12°C	Pdh	4.03	kW	Tj = +12°C	COPd	6.01	-					
Tj = bivalent temperature	Pdh	9.06	kW	Tj = bivalent temperature	COPd	3.46	ı					
Tj = operation limit temperature	Pdh	13.7	kW	Tj = operation limit temperature	COPd	2.49	-					
For air-to-water heat pumps: Tj = -15°C (ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15$ °C(ifTOL<-20°C)	COPd	-	1					
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 the	nan active	mode		Suppiemantary heater		L						
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.40	kW					
Thermostat-off mode	P TO	0.030	kW	, , , , , , , , , , , , , , , , , , ,								
Standby mode	「s _B	0.020	kW	Type of energy input	I	Electricity	y					
Crankcase heater mode	PcK	0.000	kW									
Other items	I	·	ı		I.							
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	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	Qне	4331	kWh	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			Road, Jiangshan Yinzhou District, Ningbo, 31	5191 Zhej	iang, Ch						

^(*) 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

			Те	echnical parameters							
Model(s):		ACHP-	H10/4F	R3HA-ME ACHP-H10/4R3HA-M (N	IE)						
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	e								
Declared temperature application	on	Low									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	9.2	kW	Seasonal space heating energy efficiency	ηs	198	%				
Declared capacity for heating for pa 20°C and outdoor temperature T,	art load at ir	idoor tem	perature	Declared coeffient of performance or prima at indoor temperature 20°C and outdoor ten			oart loac				
$Tj = -7^{\circ}C$	Pdh	8.14	kW	$Tj = -7^{\circ}C$	COPd	3.17	-				
Tj = +2°C	Pdh	4.95	kW	Tj = +2°C	COPd	5.02	-				
$Tj = +7^{\circ}C$	Pdh	3.18	kW	$Tj = +7^{\circ}C$	COPd	6.30	_				
Tj = +12°C	Pdh	1.42	kW	Tj = +12°C	COPd	8.33	-				
Tj = bivalent temperature	Pdh	8.14	kW	Tj = bivalent temperature	COPd	3.17	_				
Tj = operation limit	Pdh	7.40	kW	Tj = operation limit temperature	COPd	2.86	_				
temperature For air-to-water heat pumps:	Pdh	_	kW	For air-to-water heat pumps: $Tj = -15^{\circ}C$	COPd	_					
$Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$				(ifTOL<-20°C) For air-to-water heat pumps: Operation							
Bivalent temperature	Tbiv	-7	°C	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 of	other than	active m	ode	Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.8	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input	E	Electricity	,				
Crankcase heater mode		0.000	kW			•					
	CIK	0.000	KW		<u> </u>						
Other items Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow	_	4000	m ³ /h				
Sound power level	Lwa	_	dB	rate, outdoors For water-/brine-to-water heat pumps:			2				
	0	2774	1-3371-	Rated brine or water flow rate, outdoor heat exchanger	t <u>-</u>	=	m ³ /h				
Annual energy consumption	QHE	3774	kWh		<u> </u>						
For heat pump combination hea Declaed load profile	atC1			Water heating anarov officians:	Owh	I	%				
	0.1	<u>-</u>	1.3371	Water heating energy efficiency		-					
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										
	s and heat	pump c	ombina	ation heaters, the rated heat output Prated is elementary heater Psup is equal to the supplementary heater Psup is equal to the sup is equal to the sup is e	equal to the	design 1	oad for				

sup(Tj).

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

			Tech	nical parameters								
Model(s):	F			ACHP-H10/4R3HA-ME ACHP-H10/4R3HA-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 he	eater:	no										
Heat pump combination heater:		no										
Declared climate condition		Average										
Declared temperature application	T	Mediun	1	T	1	ı	<u> </u>					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	7.7	kW	Seasonal space heating energy efficiency	ηѕ	136	%					
Declared capacity for heating for part 20°C and outdoor temperature Tj	load at indo	oor tempe	rature	Declared coefficient of performance or primary energy ratio for par load at indoor temperature 20°C and outdoor temperature Tj								
Tj = -7°C	Pdh	6.81	kW	Tj = -7°C	COPd	2.03	-					
$Tj = +2^{\circ}C$	Pdh	4.15	kW	$Tj = +2^{\circ}C$	COPd	3.46	-					
$Tj = +7^{\circ}C$	Pdh	2.67	kW	$Tj = +7^{\circ}C$	COPd	4.50	-					
Tj = +12°C	Pdh	1.18	kW	Tj = +12°C	COPd	7.01	-					
Tj = bivalent temperature	Pdh	6.81	kW	Tj = bivalent temperature	COPd	2.03	_					
Γ j = operation limit temperature	Pdh	5.23	kW	Tj = operation limit temperature	COPd	1.63	_					
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	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	er than act	ive mod	e	Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	2.47	kW					
Thermostat-off mode	Рто	0.030	kW									
Standby mode	PSB	0.020	kW	Type of energy input	I	Electricit	y					
Crankcase heater mode		0.000	kW	1		•						
Other items	Рск	I 0.000	I K VV	<u> </u>	1							
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	4000	m ³ /h					
Sound power level	LWA	60	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	-	_	m ³ /h					
Annual energy consumption	Qне	4553	kWh	outdoor heat exchanger								
For heat pump combination heater				1	1	1	I .					
Declaed load profile		_		Water heating energy efficiency	Hwh	_	%					
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWł					
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

			Tech	nical parameters							
Model(s):		ACHP-		R3HA-ME ACHP-H10/4R3HA-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 h	eater:	no									
Heat pump combination heater:		no									
Declared climate condition		Colder									
Declared temperature application	1	Low	1	T	1	1 1					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	7.7	kW	Seasonal space heating energy efficiency	ηs	168	%				
Declared capacity for heating for part 20°C and outdoor temperature Tj	load at indo	or tempe	rature	Declared coefficient of performance or prin load at indoor temperature 20°C and outcome.	-		_				
Tj = -7°C	Pdh	4.83	kW	Tj = -7°C	COPd	3.60	-				
$Tj = +2^{\circ}C$	Pdh	2.94	kW	$Tj = +2^{\circ}C$	COPd	5.26	-				
$Tj = +7^{\circ}C$	Pdh	1.92	kW	$Tj = +7^{\circ}C$	COPd	7.08	_				
Tj = +12°C	Pdh	1.65	kW	Tj = +12°C	COPd	7.96	-				
Tj = bivalent temperature	Pdh	6.32	kW	Tj = bivalent temperature	COPd	2.64	-				
Tj = operation limit temperature	Pdh	4.62	kW	Tj = operation limit temperature	COPd	1.97	-				
For air-to-water heat pumps: $Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	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	Pcycti	-	kW	Cycling interval efficiency	СОРсус	-	_				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	°C				
Power consumption in modes oth	er than act	ive mod	e	Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	3.08	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input]]	Electricity	y				
Crankcase heater mode	РСК	0.000	kW	1							
Other items	1 CK	1 0.000	1 244	I .	1						
Capacity control	V	⁷ ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m ³ /h				
Sound power level	LWA	-	dB	For wate r-/bri n e-to-water heat pumps:Rated brine or water flow rate,	-	-	m ³ /h				
Annual energy consumption	QHE	4439	kWh	outdoor heat exchanger							
For heat pump combination heate	•										
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

			Tech	nical parameters							
Model(s):	ACHP-H10/4R3HA-ME ACHP-H10/4R3HA-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									
		no									
		no									
Declared climate condition		Colder									
Declared temperature application	Mediun	n									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	6.7	kW	Seasonal space heating energy efficiency	ηs	116	%				
Declared capacity for heating for part load at indoor temper 20°C and outdoor temperature Tj				Declared coefficient of performance or prin load at indoor temperature 20°C and outd	•		-				
Tj = -7°C	Pdh	4.27	kW	Tj = -7°C	COPd	2.54	-				
Tj = +2°C	Pdh	2.57	kW	$Tj = +2^{\circ}C$	COPd	3.51	-				
$Tj = +7^{\circ}C$	Pdh	1.65	kW	$Tj = +7^{\circ}C$	COPd	4.37	I				
Tj = +12°C	Pdh	1.48	kW	Tj = +12°C	COPd	5.96	-				
Tj = bivalent temperature	Pdh	5.47	kW	Tj = bivalent temperature	COPd	2.00	ı				
Tj = operation limit temperature	Pdh	2.80	kW	Tj = operation limit temperature	COPd	1.22	•				
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: $T_j = -15^{\circ}C$ (ifTOL<-20°C)	COPd	-	ı				
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	_	ı				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	°C				
Power consumption in modes other	er than act	ive mod	e	Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	3.9	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input]	Electricit	y				
Crankcase heater mode Other items	РСК	0.000	kW								
Capacity control	\	⁷ ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	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	5574	kWh	outdoor heat exchanger							
For heat pump combination heater	<u> </u>										
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