			T	echnical parameters							
Model(s):		ACHP-I		ЗНА-МЕ							
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	n	Low			1	1					
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni				
Rated heat output(*)	Prated	13.1	kW	Seasonal space heating energy efficiency	ηs	246	%				
Declared capacity for heating for par 20°C and outdoor temperature Tj	door temp	erature	Declared coefficient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj								
Γj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
$\Gamma j = +2^{\circ}C$	Pdh	12.97	kW	$Tj = +2^{\circ}C$	COPd	3.35	_				
$\Gamma j = +7^{\circ}C$	Pdh	8.41	kW	$Tj = +7^{\circ}C$	COPd	5.31	-				
$\Gamma_i = +12^{\circ}C$	Pdh	3.87	kW	$T_j = +12$ °C	COPd	8.11	_				
Γj = bivalent temperature	Pdh	8.41	kW	Tj = bivalent temperature	COPd	5.31	_				
Γ_j = operation limit temperature	Pdh	12.97	kW	Tj = operation limit temperature	COPd	3.35	_				
For air-to-water heat pumps: Tj	1 un	12.97	KVV	For air-to-water heat pumps: Tj =	COLU	5.55	_				
= -15°C (ifTOL<-20°C)	Pdh	-	kW	-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 of	her than a	ctive mo	de	Supplemantary heater		•					
Off mode		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	1	Electricit	v				
Crankcase heater mode	P CK	0.000	kW				,				
Other items		3.000	1 11								
Capacity control	,	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /				
Sound power leveL	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat			m ³ /.				
Annual energy consumption	QHE	2812	kWh	exchanger	_	_	m-/				
For heat pump combination heat		2012	hr 1111		1	<u> </u>	I				
Declaed load profile	Ī	_		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kW				
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 315	1 -						

^(*) 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

			Te	chnical parameters							
Model(s):		ACHP-		*							
Air-to-water heat ump:		ACHP-H16/4R3HA-ME ves									
		no									
		no									
		no									
Equipped with a supplementary h	eater:	no									
Heat pump combination heater:		no									
		Warmer									
Declared temperature application	Mediun	1		•							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.1	kW	Seasonal space heating energy efficiency	ηѕ	175	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature Tj							
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	13.97	kW	Tj = +2°C	COPd	2.48	-				
$Tj = +7^{\circ}C$	Pdh	9.06	kW	$Tj = +7^{\circ}C$	COPd	3.58	-				
Tj = +12°C	Pdh	4.03	kW	Tj = +12°C	COPd	6.05	-				
Tj = bivalent temperature	Pdh	9.06	kW	Tj = bivalent temperature	COPd	3.58	-				
Tj = operation limit temperature	Pdh	13.97	kW	Tj = operation limit temperature	COPd	2.48	-				
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	er than ac	tive mod	e	Supplemantary heater		1					
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] 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	-	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	4233	kWh	exchanger			111 / 11				
For heat pump combination heate		.200	1	1	1						
Declaed load profile		-		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfbel	_	kWh				
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 31:	1						

^(*) 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

			Te	echnical parameters							
Model (s):		ACHP-1		•							
Air-to-water heat ump:		ACHP-H16/4R3HA-ME yes									
		no									
		no									
		no									
Equipped with a supplementary h	eater:	no									
Heat pump combination heater:	icator.	no									
			Average								
Declared temperature application	Low										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	16.1	kW	Seasonal space heating energy efficiency	ηѕ	193	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj			rature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temperature		tio for pa	rt load a				
Tj = -7°C	Pdh	14.24	kW	Tj = -7°C	COPd	3.04	-				
Tj = +2°C	Pdh	8.67	kW	Tj = +2°C	COPd	4.70	-				
Tj = +7°C	Pdh	5.57	kW	$Tj = +7^{\circ}C$	COPd	6.62	-				
Tj = +12°C	Pdh	2.48	kW	Tj = +12°C	COPd	8.91	-				
Tj = bivalent temperature	Pdh	14.24	kW	Tj = bivalent temperature	COPd	3.04	-				
Tj = operation limit temperature	Pdh	12.31	kW	Tj = operation limit temperature	COPd	2.67	-				
For air-to-water heat pumps: $T_j = -15^{\circ}C(ifTOL < -20^{\circ}C)$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	COPd	-	-				
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°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 oth	er than ac	tive mod	e	Supplemantary heater							
Off mode	POFF		kW	Rated heat output (*)	Psup	3.79	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	•	•	•		1						
Capacity control	,	Variable		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	_	_	m³/h				
Annual energy consumption	QHE	6786	kWh	exchanger							
For heat pump combination heate	_ `	1		1	1	1	ı				
Declaed load profile		_		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Oelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh				
Contact details	AUX Co	., Ltd	•	Road, Jiangshan Yinzhou District, Ningbo, 315			•				

^(*) 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

			Te	chnical parameters							
Model(s): ACHP-H16/4R2			•								
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 l	neater:	no									
Heat pump combination heater:		no	no								
			Average								
Declared temperature application	1	Medium	1		1						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	137	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj							
Тj = -7°С	Pdh	12.38	kW	Tj = -7°C	COPd	2.06	-				
Tj = +2°C	Pdh	7.54	+	Tj = +2°C	COPd	3.50	-				
Tj = +7°C	Pdh	4.85	kW	$Tj = +7^{\circ}C$	COPd	4.33	-				
Tj = +12°C	Pdh	2.15	kW	Tj = +12°C	COPd	6.97	-				
Tj = bivalent temperature	Pdh	12.38	kW	Tj = bivalent temperature	COPd	2.06	-				
Tj = operation limit temperature	Pdh	10.50	kW	Tj = operation limit temperature	COPd	1.80	-				
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	СОРсус	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes oth	er than a	rtive mo	de	Supplemantary heater	•						
Off mode		0.020	kW	Rated heat output (*)	Psup	3.5	kW				
Thermostat-off mode		0.020	kW	prairie nous output ()	1 sup	5.5	V AA				
Standby mode	P SB	0.020	kW	Type of energy input	E	Electricity					
Crankcase heater mode		0.000	kW	1							
Other items	1	1,	1	1	l						
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h				
Sound power level.	Lwa	68	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	_	m ³ /l				
Annual energy consumption	QHE	8253	kWh	exchanger		-	111 /1				
For heat pump combination heat		0200	px 1111	1	l						
Declaed load profile	T	_		Water heating energy efficiency	Owh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWł				
Contact details	AUX Co.	., Ltd	I	Road, Jiangshan Yinzhou District, Ningbo, 31							

^(*) 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	chnical parameters								
Model(s):				•								
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 l	neater:	no										
Heat pump combination heater:		no										
Declared climate condition		Colder										
Declared temperature application	1	Low	,			T	1					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	13.7	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 coefficient of performance or primary indoor temperature 20°C and outdoor temper		atio for p	art load						
Γj = -7°C	Pdh	8.31	kW	Tj = -7°C	COPd	3.37	_					
$Tj = +2^{\circ}C$	Pdh	5.26	kW		COPd	4.86	-					
Γj = +7°C	Pdh	3.62	kW	$Tj = +7^{\circ}C$	COPd	6.49	-					
Γj = +12°C	Pdh	3.34	kW	Tj = +12°C	COPd	7.40	-					
Γj = bivalent temperature	Pdh	11.22	kW	Tj = bivalent temperature	COPd	2.43	-					
Γ_j = operation limit temperature	Pdh	8.88	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			de	Supplementary heater	WIGE	1 32						
Off mode		0.020	kW	Rated heat output (*)	Psup	4.82	kW					
Thermostat-off mode		0.030	kW	Rated near output ()	Tsup	1.02	KW					
Standby mode	P SB	0.020	kW	Type of energy input]	Electricit	y					
Crankcase heater mode	PCK	0.000	kW	1 1								
Other items		0.000	KVV									
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-/brine-to-water heat pumps: Rated			m ³ /h					
Annual energy consumption	QHE	8438	kWh	brine or water flow rate, outdoor heat exchanger	_	-	111 / 11					
For heat pump combination heat		1 0 150	px 1111	1	l	1	I					
Declaed load profile	T	_		Water heating energy efficiency	Owh	_	%					
Daily electricity consumption	Qelec	l -	kWh	Daily fuel consumption	Qfuel	_	kWh					
Contact details	AUX Co	., Ltd	I	Road, Jiangshan Yinzhou District, Ningbo, 31	1 -							

^(*) 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

			Te	chnical parameters						
Model(s):		АСНР-І		3HA-ME						
Air-to-water heat ump:		yes	110/11							
Water-to-water heat pump:	no									
		no								
		no								
Equipped with a supplementary 1	neater:	no								
Heat pump combination heater:		no								
Declared climate condition		Colder								
Declared temperature application	1	Medium	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	121	%			
				Declared coeffient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj						
Tj = -7°C	Pdh	7.64	kW	Tj = -7°C	COPd	2.65	-			
Tj = +2°C	Pdh	4.42			COPd	3.79	-			
Tj = +7°C	Pdh	2.97	kW	$Tj = +7^{\circ}C$	COPd	4.81	-			
Tj = +12°C	Pdh	3.43	kW	Tj = +12°C	COPd	6.29	-			
Tj = bivalent temperature	Pdh	9.61	kW	Tj = bivalent temperature	COPd	1.86	-			
Tj = operation limit temperature	Pdh	5.21	kW	Tj = operation limit temperature	COPd	1.23	-			
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 oth	ner than a	tive mo	de	Supplemantary heater						
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	6.59	kW			
Thermostat-off mode	PTO	0.030	kW	Table 1000 cuspus ()	1544	0.03	12.11			
Standby mode	P SB	0.020	kW	Type of energy input]]	Electricit	ity			
Crankcase heater mode	PCK	0.000	kW							
Other items	I .	I .	1	1	l					
Capacity control	,	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	Оне	9362	kWh	exchanger						
For heat pump combination heat				1	1	1	·			
Declaed load profile		-		Water heating energy efficiency	Owh	_	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh			
Contact details	AUX Co.			Road, Jiangshan Yinzhou District, Ningbo, 31	-	jiang, 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