			Tech	nnical parameters							
Model(s):		ACHP-		ЗЗНА-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 hea	iter:	no									
Heat pump combination heater:		no									
Declared climate condition		Warmer	r								
Declared temperature application		Low									
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 load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primar indoor temperature 20°C and outdoor 20°C and outdoor 20°C and 00°C and 0		atio for pa	art load a				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
$Tj = +2^{\circ}C$	Pdh	10.90	 	$Tj = +2^{\circ}C$	COPd	3.59	_				
$T_j = +7^{\circ}C$	Pdh	7.14	_	$Tj = +7^{\circ}C$	COPd	5.82					
$T_{i} = +12^{\circ}C$	Pdh	3.17	kW	$T_i = +12$ °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	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 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	QHE	2308	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.	, Ltd		Road, Jiangshan Yinzhou District, Ningbo, 3	-	ejiang, Cl					

^(*) 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							
Air-to-water heat ump:											
		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	ηs	176	%				
Declared capacity for heating for part loa 20 °C and outdoor temperature Tj	d at indoor	tempera	ture	Symbol Value Unit Seasonal space heating energy efficiency Declared coeffient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj Tj = -7°C COPd Tj = +2°C COPd 2.54 - Tj = +7°C COPd 3.56 - Tj = +12°C COPd 6.16 - Tj = bivalent temperature COPd 3.56 - Tj = operation limit temperature COPd 3.56 - Tj = operation limit temperature COPd 2.54 - For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C) For air-to-water heat pumps: Operation limit temperature Cycling interval efficiency COPcyc Heating water operating limit temperature WTOL 60 °C Supplemantary heater Rated heat output (*) Psup 0.20 kW Type of energy input Electricity For air-to-water heat pumps: Rated airflow rate, outdoors For water-/brine-to-water heat pumps:Rated orine or water flow rate, outdoor heat exchanger Water heating energy efficiency Hwh - %			rt load a				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	13.9	kW	Tj= +2°C	COPd	2.54	-				
Tj = +7°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	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 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			20					
Standby mode	PSB	0.020	kW	Type of energy input	E	Electricity					
Crankcase heater mode	P CK	0.000	kW	1							
Other items		-		-l-	L.						
Capacity control	,	/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	- 4650 m		m ³ /h				
Sound power level	LWA	-	dB	For water-/brine-to-water heat pumps:Rated	_	_	m ³ /h				
Annual energy consumption	QHE	4206	kWh	exchanger			/ 11				
For heat pump combination heater				1							
Declaed load profile		_		Water heating energy efficiency	Hwh	- 1	%				
Daily electricity consumption	Oelec	l -	kWh	Daily fuel consumption	Qfuel	-	kWh				
Contact details	AUX Co			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

			Techi	nical parameters							
Model(s):		ACHP-		R3HA-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	e								
Declared temperature application		Low	_		1		<u> </u>				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output。)	Prated	12.2	kW	Seasonal space heating energy efficiency	ηs	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 ter			part load				
Tj = -7°C	Pdh	10.79	kW	Tj = -7°C	COPd	3.02	-				
Tj = +2°C	Pdh	6.57	kW	Tj= +2°C	COPd	4.83	-				
$Tj = +7^{\circ}C$	Pdh	4.22	kW	Tj=+7°C	COPd	6.27	-				
$Tj = +12^{\circ}C$	Pdh	1.88	kW	Tj=+12°C	COPd	9.38	-				
Tj = bivalent temperature	Pdh	10.79	kW	Tj = bivalent temperature	COPd	3.02	-				
Tj = operation limit temperature	Pdh	10.10	kW	Tj = operation limit temperature	COPd	2.61	-				
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 th	an active	mode	•	Supplementary 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	y				
Crankcase heater mode	Рск	0.000	kW								
Other items					1						
Capacity control	,	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	QHE	5114	kWh	outdoor heat exchanger							
For heat pump combination heater	<u> </u>	<u> · </u>		1	1		<u> </u>				
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	Γ-	kWh	Daily fuel consumption	Qfuel	-	kWh				
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo,	-	nejiang, C					

^(*) 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-		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	no									
Equipped with a supplementary heater	r:	no										
Heat pump combination heater:		no										
		Average										
Declared temperature application	1	Mediun		T		Г	<u> </u>					
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	re 20°C	Declared coeffient of performance or prinat indoor temperature 20°C and outdoor to		-	r part loa					
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°C	Pdh	4.15	kW	$Tj = +7^{\circ}C$	COPd	4.59	-					
Tj = +12°C	Pdh	1.85	kW	Tj = +12°C	COPd	6.90	-					
Tj = bivalent temperature	Pdh	10.62	kW	Tj = bivalent temperature	COPd	2.11	-					
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°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]]	Electricit	y					
Crankcase heater mode	PcK	0.000	kW									
Other items	1	•			1							
Capacity control	\	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	., Ltd		Road, Jiangshan Yinzhou District, Ningbo	, 315191 2	Zhejiang,						

^(*) 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

				ical parameters								
Model(s):		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		Colder										
Declared temperature application	T	Low	1		1	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	at indoor	temperatu	re 20°C	Declared coeffient of performance or primat indoor temperature 20°C and outdoor to	-		part loa					
Tj = -7°C	Pdh	7.05	kW	Tj = -7°C	COPd	3.48	=					
$T_i = +2$ °C	Pdh	4.67	kW	$T_j = +2$ °C	COPd	4.96	_					
$Tj = +7^{\circ}C$	Pdh	3.14	kW	$Tj = +7^{\circ}C$	COPd	6.10	_					
$Tj = +12^{\circ}C$	Pdh	3.57		$T_j = +12$ °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 =			1-337	For air-to-water heat pumps:	COD4							
-15°C (ifTOL<-20°C)	Pdh	-	kW	$Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	COPd	-						
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C					
Cycling interval capacity for heating	Peych	-	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	an 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		•							
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	Оне	6926	kWh	outdoor heat exchanger			/ **					
For heat pump combination heater		1	•			1						
Declaed load profile		_		Water heating energy efficiency	Owh	_	%					
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh					
Contact details	AUX Co	., Ltd	l	Road, Jiangshan Yinzhou District, Ningbo								

^(*) 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

		1, 0277		ical parameters								
Model(s):			ACHP-H12/5R3HA ME									
Air-to-water heat ump:		yes										
1 1		no										
* *		no										
Low-temperature heat pump:		no	10									
Equipped with a supplementary heate	r:	no										
Heat pump combination heater: Declared climate condition		no Colder										
Declared temperature application		Mediun	n									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Ĭ	10.3	kW	Seasonal space heating energy efficiency	ηѕ	117	%					
Declared capacity for heating for part load and outdoor temperature Tj	at indoor	temperatu	re 20°C	Declared coefficient of performance or primat indoor temperature 20°C and outdoor to	-		r part lo					
Tj = -7°C	Pdh	6.63	kW	$Tj = -7^{\circ}C$	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	-					
Tj = 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	an active	mode		Supplemantary heater								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	6.11	kW					
Thermostat-off mode	Р ТО	0.030	kW			•						
Standby mode	PSB	0.020	kW	Type of energy input]	Electricit	y					
Crankcase heater mode	P CK	0.000	kW									
Other items		•	•	•	•							
Capacity control		/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	_	4000	m ³ /l					
Sound power level	LWA	-	dB	For water-/b ri n e-to-water heat pumps:Rated brine or water flow rate,	_	-	m³/l·					
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	-	kWł					
Contact details	AUX Co 1166 Mii	., Ltd		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