				echnical parameters								
Model(s):		Indoor u		CHP-H12/5R3HA-I								
Air-to-water heat ump:			yes									
Water-to-water heat pump:			no									
Brine-to-water heat pump:		no										
Low-temperature heat pump:		no	10									
Equipped with a supplementary	heater:	no	10									
Heat pump combination heater:		no										
Declared climate condition		Warmer	•									
Declared temperature application Low												
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	11.1	kW	Seasonal space heating energy efficiency	Hs	245	%					
				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj $Tj = -7^{\circ}C$ $Tj = +2^{\circ}C$ $Tj = +7^{\circ}C$ $COPd$ $Tj = +7^{\circ}C$ $COPd$ $Tj = +12^{\circ}C$ $COPd$ $Tj = bivalent temperature$ $COPd$ $Tj = operation limit temperature$								
Tj = -7°C	Pdh	-	kW	Ti = -7°C	COPd	-	-					
Tj = +2°C	Pdh	10.90	kW	$Tj = +2^{\circ}C$	COPd	3.59	-					
$Tj = +7^{\circ}C$	Pdh	7.14	kW	$Tj = +7^{\circ}C$	COPd	5.87	_					
Tj = +12°C	Pdh	3.17	kW	Tj = +12°C	COPd	7.94	-					
Tj = bivalent temperature	Pdh	7.14	kW	Tj = bivalent temperature	COPd	5.87	-					
$T_j$ = 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	COPcyc	-	-					
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C					
Power consumption in modes other than active mode				Supplemantary heater								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.20	kW					
				Tanta nout output ( )	1 Sup		17.11					
Thermostat-off mode	Рто	0.030				D1						
Standby mode	PSB	0.020	kW	Type of energy input	'	Electricity	ricity					
Crankcase heater mode	P CK	0.000	kW									
Other items												
Capacity control	7	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h					
Sound power level,	Lw		σt	For water-/brine-to-water heat pumps:Rated								
indoors/outdoors	LWA	-	dB	brine or water flow rate, outdoor heat	_	_	m <sup>3</sup> /h					
Annual energy consumption	Оне	2391	kWh	exchanger								
For heat pump combination heat		,	1	1	1							
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, 315								

<sup>(\*)</sup> 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

			ТД	chnical parameters							
Model(s):		Indoor 1		ACHP-H12/5R3HA-I							
Air-to-water heat ump:		ves									
Water-to-water heat pump:		no	,								
			no								
Low-temperature heat pump:	no										
Equipped with a supplementary h	no										
Heat pump combination heater:	no										
Declared climate condition	Warmer	•									
Declared temperature application	Mediun	1									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	12.5	kW	Seasonal space heating energy efficiency	%	171	%				
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 temperature 20°C.		itio for pa	rt load a				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	12.30	kW	Tj = +2°C	COPd	2.31	-				
$Tj = +7^{\circ}C$	Pdh	8.04	kW	Tj = +7°C	COPd	3.86	-				
Tj = +12°C	Pdh	3.57	kW	Tj = +12°C	COPd	5.70	-				
Tj = bivalent temperature	Pdh	8.04	kW	Tj = bivalent temperature	COPd	3.86	-				
Tj = operation limit temperature	Pdh	12.30	kW	Tj = operation limit temperature	COPd	2.31	-				
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	COPcyc	-	-				
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		Rated heat output (*)	Psup	0.20	kW				
Thermostat-off mode	Рто	0.030	kW			•					
Standby mode	PSB	0.020	kW	Type of energy input	1	Electricity					
Crankcase heater mode	РСК	0.000	kW								
Other items											
Capacity control	,	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h				
Sound power level,	I WA		ДD	For water-/brine-to-water heat pumps:Rated							
indoors/outdoors	LWA	_	dB	brine or water flow rate, outdoor heat	-	-	$m^3/h$				
Annual energy consumption	QнE	3831	kWh	exchanger							
For heat pump combination heate											
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfbel	-	kWh				
Contact details	AUX Co.			Road, Jiangshan Yinzhou District, Ningbo, 315		iang, Chir					

<sup>(\*)</sup> 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							
			CHP-H12/5R3HA-I								
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	neater:	no									
Heat pump combination heater:		no									
Declared climate condition		Average	Average								
Declared temperature application Lo											
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	12.2	kW	Seasonal space heating energy efficiency	Is	190	%				
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 temperature 20°C.		tio for par	t 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	-				
$Tj = +7^{\circ}C$	Pdh	4.22	kW	$Tj = +7^{\circ}C$	COPd	6.27	-				
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	-				
$\Gamma$ j = operation limit temperature	Pdh	10.1	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	Peych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes oth	er than ac	tive mod	е	Supplemantary heater	1						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	2.10	kW				
				reace near output ( )	Тзар	2.10					
Thermostat-off mode	Рто	0.030	kW	True of on anory in the	.	71004: '4					
Standby mode	PSB	0.020	kW	Type of energy input	'	Electricity	aty				
Crankcase heater mode	PCK	0.000	kW								
Other items											
Capacity control		Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h				
Sound power level, indoors/outdoors	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m³/h				
Annual energy consumption	QHE	5230	kWh	exchanger							
For heat pump combination heater		, 3230	pr / / 11	1	1	1					
Declaed load profile	1	_		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption		_	kWł				
Contact details	AUX Co	., Ltd	•	Road, Jiangshan Yinzhou District, Ningbo, 315	Qfuel 5191 Zheji						

<sup>(\*)</sup> 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

				chnical parameters							
Model(s):		Indoor 1	ınit: A(	CHP-H12/5R3HA-I							
Air-to-water heat ump:			yes								
Water-to-water heat pump:		no									
Brine-to-water heat pump:											
Low-temperature heat pump:			no								
Equipped with a supplementary	heater:	10									
Heat pump combination heater:		no									
Declared climate condition	Average										
Declared temperature application	1	Mediun	1								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.1	kW	Seasonal space heating energy efficiency	Hs	171	%				
Declared capacity for heating for part leand outdoor temperature Tj	oad at indoo	r temperat	ture 20°C	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		tio for pa	rt load				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	13.96	kW	Tj = +2°C	COPd	2.61	-				
$Tj = +7^{\circ}C$	Pdh	9.25	kW	$Tj = +7^{\circ}C$	COPd	3.65	-				
Tj = +12°C	Pdh	4.19	kW	Tj = +12°C	COPd	5.86	-				
Tj = bivalent temperature	Pdh	9.25	kW	Tj = bivalent temperature	COPd	3.65	-				
Tj = operation limit temperature	Pdh	14.96	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	Peych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes of	ner than ac	etive mo	de	Supplementary heater		•					
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	2.84	kW				
Thermostat-off mode	PTO	0.030	kW								
Standby mode	P SB	0.020	kW	Type of energy input	E	Electricity					
Crankcase heater mode	PCK	0.000	kW								
Other items	1		-		ı						
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h				
Sound power level, indoors/outdoors	LWA	43/64	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	_	m³/h				
Annual energy consumption	QHE	4327	kWh	exchanger							
For heat pump combination heat	er										
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										

<sup>(\*)</sup> 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

				nical parameters								
Model(s):			Indoor unit: ACHP-H12/5R3HA-I									
Air-to-water heat ump:			yes									
Water-to-water heat pump:												
Brine-to-water heat pump:												
Low-temperature heat pump:		no										
Equipped with a supplementary heate	er:	no										
Heat pump combination heater:		no										
Declared climate condition		Colder										
Declared temperature application		Low	ow									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output O	Prated	11.4	kW	Seasonal space heating energy efficiency	$n_{\rm s}$	159	%					
Declared capacity for heating for part load at outdoor temperature Tj	indoor tem	perature 2	0°C and	Declared coeffient of performance or prima at indoor temperature 20°C and outdoor ter			part loa					
Tj = -7°C	Pdh	7.05	kW	Tj = -7°C	COPd	3.48	-					
$Tj = +2^{\circ}C$	Pdh	4.67	kW	Tj = +2°C	COPd	4.96	-					
Tj = +7°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	T <sub>j</sub> = 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	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 the	han active	mode	•	Supplemantary heater	,							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	4.39	kW					
Thermostat-off mode	P TO	0.030			F							
Standby mode	「 <sub>SB</sub>	0.020	kW	Type of energy input	E	Electricity	7					
Crankcase heater mode	P (DK	0.000	kW									
Other items			•									
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h					
Sound power level, indoors/outdoors	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate,	_	_	m <sup>3</sup> /h					
Annual energy consumption	Оне	6926	kWh	outdoor heat exchanger			/ -1					
For heat pump combination heater												
Declaed load profile		_		Water heating energy efficiency	Hwh	-	%					
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfbel	-	kWh					
Contact details	AUX Co.			Road, Jiangshan Yinzhou District, Ningbo,								

<sup>(\*)</sup> 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

				nical parameters								
Model(s):			Indoor unit: ACHP-H 12/5R3HA-I									
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	r:	no										
Heat pump combination heater:		no										
Declared climate condition		Colder	Colder									
Declared temperature application			Medium									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	10.3	kW	Seasonal space heating energy efficiency	Os	117	%					
Declared capacity for heating for part load at outdoor temperature Tj	indoor temp	perature 20	0°C and	Declared coefficient of performance or primar indoor temperature 20°C and outdoor and outdoor 20°C and 00°C a		atio for pa	art load a					
Tj = -7°C	Pdh	6.63	kW	Tj = -7°C	COPd	2.63	-					
$Tj = +2^{\circ}C$	Pdh	4.06	kW	Tj = +2°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	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	P OFF		kW	Rated heat output (*)	Psup	6.11	kW					
Thermostat-off mode	PTO	0.030			r							
Standby mode	P SB	0.020	kW	Type of energy input	]	Electricity	7					
Crankcase heater mode	PCK	0.000										
Other items	1	I	1	1	I							
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m <sup>3</sup> /h					
Sound power level, indoors/outdoors	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m <sup>3</sup> /h					
Annual energy consumption	QHE	8453	kWh	exchanger			(11					
For heat pump combination heater			1									
Declaed load profile		-		Water heating energy efficiency	Owh	_	%					
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh					
Contact details	AUX Co.		ı	Road, Jiangshan Yinzhou District, Ningbo, 3	I							

<sup>(\*)</sup> 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