				chnical parameters								
Model(s):			Outdoor unit: ACHP-H08/4R3HA-O Indoor unit ACHP-H08/4R3HA-I									
Air-to-water heat ump:		yes										
		no										
Brine-to-water heat pump:		no	no									
Low-temperature heat pump:												
Equipped with a supplementary heater:												
Heat pump combination heater:		no										
Declared climate condition		Warme	r									
Declared temperature application				T	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	Hs	270	%					
Declared capacity for heating for part loa and outdoor temperature Tj	d at indoor t	emperatur	e 20°C	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°C Tj = +2°C COPd - Tj = +7°C COPd 6.26 - Tj = +12°C COPd 7.2 Tj = bivalent temperature COPd COPd 6.26 - Tj = operation limit temperature COPd COPd 3.98 - Tj = operation limit temperature COPd COPd								
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-					
Tj = +2°C	Pdh	7.80	kW	Tj = +2°C	COPd	3.98	_					
Tj = +7°C	Pdh	5.21	kW	$Tj = +7^{\circ}C$	COPd	6.26	-					
Tj = +12°C	Pdh	2.31	kW	Tj = +12°C	COPd	9.23	-					
Tj = bivalent temperature	Pdh	5.21	kW	Tj = bivalent temperature	COPd	6.26	-					
Tj = operation limit temperature	Pdh	7.80	kW	Tj = operation limit temperature	COPd	3.98	-					
For air-to-water heat pumps: Tj = -15°C (ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Ti = -15°C (ifTOL<-20°C)	COPd	-	-					
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit	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	r than acti	ve mode	;	Supplemantary heater	•							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.3	kW					
Thermostat-off mode	P TO	0.030	kW									
Standby mode	「SB	0.020	kW	Type of energy input	I	Electricity	7					
Crankcase heater mode	PcK	0.000	kW	1								
Other items		•	•									
Capacity control		/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m ³ /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	1587	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	i 191 Zheiia	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

No. 1.1 (2)		0 1		hnical parameters)/4B 2T= : :							
()			Outdoor unit: ACHP-H08/4R3HA-O Indoor unit: ACHP-H08/4R3HA-l									
•		yes										
Water-to-water heat pump:		no										
* *		no										
1 1			no									
Equipped with a supplementary heater	er:	no										
Heat pump combination heater:			<u> </u>									
Declared temperature application	perature application Medium			1								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	Hs	151	%					
Declared capacity for heating for part load at outdoor temperature Tj	indoor tem	perature 2	0 °C and	dDeclared coeffient of performance or primary indoor temperature 20°C and outdoor temper		tio for pa	rt load					
Γj = -7°C	Pdh	-	kW	Ti = -7°C	COPd	-	-					
$\Gamma j = +2^{\circ}C$	Pdh	8.06	kW	Tj = +2°C	COPd	2.33	_					
Tj = +7°C	Pdh	5.22	kW	$Tj = +7^{\circ}C$	COPd	3.22	-					
Tj = +12°C	Pdh	2.57	kW	Tj = +12°C	COPd	5.39	-					
Tj = bivalent temperature	Pdh	5.22	kW	Tj = bivalent temperature	COPd	3.22	-					
Γ j = operation limit temperature	Pdh	8.06	kW	Tj = operation limit temperature	COPd	2.33	-					
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 the	han active	mode		Supplemantary heater	1							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.7	kW					
Thermostat-off mode	P TO	0.030	kW									
Standby mode	「SB	0.020	kW	Type of energy input	l I	Electricity	7					
Crankcase heater mode	PcK	0.000	kW									
Other items												
Capacity control	\	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m ³ /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	Оне	2811	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, 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

M- 1-1 (-).		0.41		echnical parameters	100/40211	A T					
Model (s):		Outdoo	r unit:	ACHP-H08/4R3HA-O Indoor unit: ACHP-H	108/4K3H	A-1					
Air-to-water heat ump:		yes									
• •		no									
• •		no									
Low-temperature heat pump:	no										
Equipped with a supplementary		no									
Heat pump combination heater Declared climate condition	no Averag	Δ									
Deciared temperature application		Low		1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	Hs	200	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or prima at indoor temperature 20°C and outdoor 20°C and 00°C a			part load				
Γj = -7°C	Pdh	7.17	kW	Tj = -7°C	COPd	3.35	-				
$\Gamma j = +2^{\circ}C$	Pdh	4.36	kW	$Tj = +2^{\circ}C$	COPd	5.09	-				
$\Gamma \dot{j} = +7^{\circ} C$	Pdh	2.80	kW	$Tj = +7^{\circ}C$	COPd	6.82	-				
Tj = +12°C	Pdh	1.25	kW	Tj = +12°C	COPd	8.35	-				
Γj = bivalent temperature	Pdh	7.17	kW	Tj = bivalent temperature	COPd	3.35	-				
Γj = operation limit temperature	Pdh	6.44	kW	Tj = operation limit temperature	COPd	3.04	-				
For air-to-water heat pumps: $\Gamma j = -15^{\circ}C(ifTOL < -20^{\circ}C)$	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	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	1.66	kW				
Thermostat-off mode	PTO	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input	I	Electricity	y				
Crankcase heater mode	РСК	0.000	kW								
Other items											
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m ³ /h				
Sound power level, indoors/outdoors	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate,			3./1				
Annual energy consumption	QHE	3294	kWh	outdoor heat exchanger		-	m ³ /h				
For heat pump combination hea	ater										
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	3151 <u>91</u> Zh	ejiang, C	hina				
	s and heat	pump c	ombina	ation heaters, the rated heat output Prated is enentary heater Psup is equal to the supplementary	qual to the	e design	load for				

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

			Tech	nical parameters							
Model(s):	Technical parameters Outdoor unit:ACHP-H08/4R3HA-O Indoor unit ACHP-H08/4R3HA-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:		no									
Heat pump combination heater:		no Average									
Declared climate condition											
Declared temperature application	Mediun	1									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	6.6	kW	Seasonal space heating energy efficiency	Hs	132	%				
Declared capacity for heating for part loa and outdoor temperature Tj	d at indoor	temperatu	re 20°C	Declared coefficient of performance or prin load at indoor temperature 20°C and outcome and outcome of the company of the comp		-	or part				
Tj = -7°C	Pdh	5.84	kW	Tj = -7°C	COPd	2.16	-				
$Tj = +2^{\circ}C$	Pdh	3.55	kW	Tj = +2°C	COPd	3.30	-				
$Tj = +7^{\circ}C$	Pdh	2.28	kW	Tj= +7°C	COPd	4.34	-				
Tj = +12°C	Pdh	1.02	kW	Tj=+12°C	COPd	5.33	-				
Tj = bivalent temperature	Pdh	5.84	kW	Tj = bivalent temperature	COPd	2.16	-				
Tj = operation limit temperature	Pdh	4.90	kW	Tj = operation limit temperature	COPd	1.84	-				
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	-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 other	er than act	ive mod	e	Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.7	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input	E	lectricity	,				
Crankcase heater mode	P(X	0.000	kW]							
Other items	1 (21	0.000	KV								
Capacity control	7	ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	4000	m ³ /h				
Sound power level,		10:	15	For water-/brine-to-water heat							
indoors/outdoors	LWA	42/59	dB	pumps:Rated brine or water flow rate,	_	_	m^3/h				
Annual energy consumption	QHE	4035	kWh	outdoor heat exchanger							
For heat pump combination heater			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., 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

			Tecl	nnical parameters								
Model (s):	Outdoor unit:ACHP-H08/4R3HA-O Indoor unit ACHP-H08/4R3HA-I											
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:		no										
		no										
		Colder										
Declared temperature application	d temperature application Lo			1								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	7.0	kW	Seasonal space heating energy efficiency	Os	168	%					
Declared capacity for heating for part load and outdoor temperature Tj	at indoor te	mperature	20 °C	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	4.46	kW	$Tj = -7^{\circ}C$	COPd	3.66	-					
Tj = +2°C	Pdh	2.69	kW	$Tj = +2^{\circ}C$	COPd	5.20	-					
$Tj = +7^{\circ}C$	Pdh	1.65	kW	$Tj = +7^{\circ}C$	COPd	6.53	-					
Tj = +12°C	Pdh	1.65	kW	Tj = +12°C	COPd	7.96	-					
Tj = bivalent temperature	Pdh	5.69	kW	Tj = bivalent temperature	COPd	2.83	-					
Tj = operation limit temperature	Pdh	4.06	kW	Tj = operation limit temperature	COPd	1.95	-					
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	than activ	re mode	•	Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	2.94	kW					
Thermostat-off mode	Рто	0.030	kW									
Standby mode	PsB	0.020	kW	Type of energy input	F	Electricity	,					
Crankcase heater mode	PCK.	0.000	kW]								
Other items	1	1	1		ı							
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m³/h					
Sound power level,	_		1E	For water-/bri ne-to-wate r heat			2					
indoors/outdoors	LWA	_	dB	pumps:Rated brine or water flow rate,		-	m ³ /h					
Annual energy consumption	QHE	4036	kWh	outdoor heat exchanger								
For heat pump combination heater			1			I						
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

				hnical parameters								
Model(s):			Outdoor unit:ACHP-H08/4R3HA-O Indoor unit ACHP-H08/4R3HA-I									
•		yes										
Water-to-water heat pump:		no										
* *		no										
1 1		no										
Equipped with a supplementary heater:		no										
		no										
		Colder										
Declared temperature application		Mediun	n T	I	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	5.8	kW	Seasonal space heating energy efficiency	Os	111	%					
Declared capacity for heating for part load at outdoor temperature Tj	t indoor tem	perature 2	20°C and	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		ntio for pa	rt load :					
Γj = -7°C	Pdh	3.86	kW	$Tj = -7^{\circ}C$	COPd	2.48	-					
$Tj = +2^{\circ}C$	Pdh	2.21	kW	Tj= +2°C	COPd	3.35	-					
$Tj = +7^{\circ}C$	Pdh	1.44	kW	Tj= +7°C	COPd	4.11	-					
Tj = +12°C	Pdh	1.47	kW	Tj=+12°C	COPd	5.92	-					
Tj = bivalent temperature	Pdh	4.71	kW	Tj = bivalent temperature	COPd	1.90	-					
$\Gamma_i = \text{operation limit temperature}$	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: 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	СОРсус	-	-					
Degradation co-efficient(**)	Cdh	0.9	_	Heating water operating limit temperature	WTOL	52	°C					
Power consumption in modes other t	han activ	e mode		Supplemantary heater								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	3.0	kW					
Thermostat-off mode	Рто	0.030	kW									
Standby mode	PSB	0.020	kW	Type of energy input	1	Electricity	r					
Crankcase heater mode	P CK	0.000	kW	1		,						
Other items		1	1	1	1							
Capacity control		/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	4000	m ³ /h					
Sound power level, indoors/outdoors	Lwa	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m ³ /h					
Annual energy consumption	Оне	5014	kWh	exchanger			111 /11					
For heat pump combination heater	. Ziii	1 2011		1	1	1						
Declaed load profile		_		Water heating energy efficiency	Hwh	_	%					
Daily electricity consumption	Oelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh					
	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 31	<u> </u>							

^(*) 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