			Те	chnical parameters								
Model(s):		Indoor unit ACHP-H08/4R3HA-I										
Air-to-water heat ump:			yes									
1 1			no									
Brine-to-water heat pump:		no										
Low-temperature heat pump:			no									
Equipped with a supplementary heater:												
Heat pump combination heater:		no										
Declared climate condition		Warmen	r									
Declared temperature application	Low		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 load and outdoor temperature Tj	d at indoor to	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 = +12°C  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	$Tj = +12^{\circ}C$	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 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 othe	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		1	'						
Standby mode	「s <sub>B</sub>	0.020	kW	Type of energy input	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 <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	Qне	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	5191 Zhejia	ang, Chin	a					

<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

				nnical parameters								
Model(s):			Indoor unit:ACHP-H08/4R3HA-1									
•		yes										
1 1		no										
1 1		no										
		no										
Equipped with a supplementary heater:		no										
		no										
		Warmen										
Declared temperature application	Mediun	n 	T	I								
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	d Declared coefficient of performance or primary energy ratio for part loa indoor temperature 20°C and outdoor temperature Tj								
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-					
$Tj = +2^{\circ}C$	Pdh	8.06	kW	Tj = +2°C	COPd	2.33	-					
Tj = +7°C	Pdh	5.22	kW	Tj = +7°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	-					
Tj = 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: $T_j = -15$ °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 th	nan active	mode	1	Supplemantary heater	I							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.7	kW					
Thermostat-off mode	РТО	0.030										
Standby mode	「s <sub>B</sub>		kW	Type of energy input	I	Electricity	7					
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 <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	Qне	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 1166 Mir			Road, Jiangshan Yinzhou District, Ningbo, 31	5191 Zhej	iang, Chi						

<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

			Те	echnical parameters					
Model (s):		Indoor							
Air-to-water heat ump:		yes							
Water-to-water heat pump: no									
Brine-to-water heat pump:									
Low-temperature heat pump:									
Equipped with a supplementary heater: no				it Item Symbol Value Unit  V Seasonal space heating energy efficiency  Declared coefficient of performance or primary energy ratio for part loa at indoor temperature 20°C and outdoor temperature Tj  V Tj = -7°C COPd 3.35 -  V Tj = +2°C COPd 5.09 -  V Tj = +12°C COPd 6.82 -  V Tj = bivalent temperature COPd 3.35 -  V Tj = operation limit temperature COPd 3.35 -  V Tj = operation limit temperature COPd 3.04 -  V Tj = operation limit temperature COPd 3.04 -  V Tj = operation limit temperature COPd 3.04 -  V Tj = 15°C(ifTOL<-20°C) COPd 5.09 -  For air-to-water heat pumps: Operation COPd 5.09 -  U Cycling interval efficiency COPd 5.09 -  Heating water operating limit temperature WTOL 60 °C  Supplemantary heater  V Rated heat output (*) Psup 1.66 kW  V Type of energy input Electricity  For air-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoor water flow rate, outdoor water flow rate, outdoor heat exchanger					
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	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				1			part load		
Tj = -7°C	Pdh	7.17	kW	Tj = -7°C	COPd	3.35	-		
Tj = +2°C	Pdh	4.36	kW	Tj = +2°C	COPd	5.09	-		
$Tj = +7^{\circ}C$	Pdh	2.80	kW		COPd	6.82	-		
Tj = +12°C	Pdh	1.25	kW		COPd	8.35	-		
Tj = bivalent temperature	Pdh	7.17	kW	Tj = bivalent temperature	COPd	3.35	-		
Tj = operation limit temperature	Pdh	6.44	kW	1	COPd		-		
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW		COPd	-	-		
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation	TOL	-10	°C		
Cycling interval capacity for heating	Peych	-	kW		СОРсус	-	-		
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	P <sub>TO</sub>	0.030	kW		•				
Standby mode	PSB	0.020	kW	Type of energy input	I	Electricity	y		
				1 27 1		-			
Crankcase heater mode	Рск	0.000	kW						
Other items  Capacity control	V	/ariable			-	4000	m <sup>3</sup> /h		
Sound power level,				<u> </u>					
indoors/outdoors	LWA	-	dB		_		m <sup>3</sup> /h		
		220 :	1 77 "	<b>∃</b> î ^	_	-	ш"/П		
Annual energy consumption	QHE	3294	kWh	and of hour orientation					
For heat pump combination he	ater			W	/		0.1		
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%		
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh		
Contact details		UX Co., Ltd 166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China							
(*) For heat numn snace heater				ation heaters, the rated heat output Prated is e					
				nentary heater Psup is equal to the supplement	_	_			
sun(Ti).	<b>-</b> P	5	1111	, 1 -4	)F	J 11	0		

sup(Tj).

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

				nical parameters								
Model(s):	Indoor unit ACHP-H08/4R3HA-I											
•		yes										
<u> </u>		no										
1 1		no										
Low-temperature heat pump:												
			no									
Heat pump combination heater:		no										
Declared climate condition		Average Mediun										
Declared temperature application		Mediun	1	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 primary energy ratio for p load at indoor temperature 20°C and outdoor temperature Tj								
Γj = -7°C	Pdh	5.84	kW	Tj = -7°C	COPd	2.16	-					
$\Gamma j = +2^{\circ}C$	Pdh	3.55	kW	Tj = +2°C	COPd	3.30	-					
$\Gamma j = +7^{\circ}C$	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	-					
$\Gamma j$ = 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	Supplementary 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												
Capacity control	1	/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	4000	m <sup>3</sup> /h					
Sound power level,	L	42/50	αt	For water-/brine-to-water heat								
ndoors/outdoors	LWA	42/59	aB	pumps:Rated brine or water flow rate,	-	-	m <sup>3</sup> /h					
Annual energy consumption	QHE	4035	kWh	outdoor heat exchanger								
For heat pump combination heater				·								
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(Ti).

<sup>(\*\*)</sup> If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9

			Tecl	nnical parameters							
Model (s):		Indoor		CHP-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									
		no									
		Colder									
Declared temperature application L			1	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 primary energy ratio for part load a ndoor temperature 20°C and outdoor temperature Tj  Tj = -7°C							
Tj = -7°C	Pdh	4.46	kW	$Tj = -7^{\circ}C$	COPd	3.66	-				
Tj = +2°C	Pdh	2.69	kW		COPd	5.20					
$Tj = +7^{\circ}C$	Pdh	1.65	kW	$Tj = +7^{\circ}C$	COPd		-				
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	T <sub>i</sub> = 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:		-	-				
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	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	E	Electricity	,				
Crankcase heater mode	PCK.	0.000	kW								
Other items		1	1		I						
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m³/h				
Sound power level,	ļ .		1D	For water-/bri ne-to-wate r heat			2 14				
indoors/outdoors	LWA	_	dB	pumps:Rated brine or water flow rate,	_	-	m <sup>3</sup> /h				
Annual energy consumption	QHE	4036	kWh	outdoor heat exchanger							
For heat pump combination heater			•	-							
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

				hnical parameters								
		Indoor unit ACHP-H08/4R3HA-I										
•		yes										
Water-to-water heat pump:		no	no									
Brine-to-water heat pump:		no										
Low-temperature heat pump:		no	no									
Equipped with a supplementary heat	er:	no	no									
1 1		no	no Colder									
		Mediun										
Declared temperature application	nperature application			I								
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	indoor tem	perature 2	0°C and	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		atio for pa	rt load					
Tj = -7°C	Pdh	3.86	kW	Tj = -7°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	-					
$\Gamma_j$ = 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	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 t	han activ	e mode		Supplementary 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	,					
Crankcase heater mode	P CK	0.000	kW	1		J						
Other items	ı	1	1	1	I							
Capacity control	7	/ariable		For air-to-water heat pumps: Rated airflow 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	_	_	m³/h					
Annual energy consumption	Оне	5014	kWh	exchanger			-11 /11					
For heat pump combination heater	~ ~ · · ·	1	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, 31	-	1						

<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