			Т	echnical parameters									
Model(s):		ACHP-I		3HA-M(NE)									
Air-to-water heat ump:				yes									
•••		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 Lov													
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit						
Rated heat output(*)	Prated	13.1	kW	Seasonal space heating energy efficiency	ηs	246	%						
Declared capacity for heating for part load at inc 20°C and outdoor temperature Tj			perature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temperature		o for par	t load at						
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-						
$Tj = +2^{\circ}C$	Pdh	12.97	kW	Tj = +2°C	COPd	3.35	_						
$Tj = +7^{\circ}C$	Pdh	8.41	kW	$T_{\mathbf{j}} = +7^{\circ}C$	COPd	5.31	_						
Tj = +12°C	Pdh	3.87	kW	Tj = +12°C	COPd	8.11	-						
Tj = bivalent temperature	Pdh	8.41	kW	Tj = bivalent temperature	COPd	5.31	-						
Tj = operation limit temperature	Pdh	12.97	kW	Tj = operation limit temperature	COPd	3.35	-						
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 of	her than a	ctive mo	de	Supplemantary heater	•	•	•						
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	Electricit	v						
Crankcase heater mode		0.020		- 17- or energy input	'		,						
	P CK	0.000	kW										
Other items				ha	1	1	ı						
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 brine or water flow rate, outdoor heat	-	-	m ³ /h						
Annual energy consumption	QHE	2812	kWh	exchanger									
For heat pump combination heat	er												
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 I	Road, Jiangshan Yinzhou District, Ningbo, 315	191 Zhejia								

^(*) 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-		3HA-M (NE)							
Air-to-water heat ump:		yes									
Water-to-water heat pump:		no									
I		no									
Low-temperature heat pump:		no									
Equipped with a supplementary h	eater:	no									
Heat pump combination heater:		no									
Declared climate condition		Warmer	r								
Declared temperature application	Medium			40							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.1	kW	Seasonal space heating energy efficiency	ηs	175	%				
Declared capacity for heating for part 20°C and outdoor temperature Tj	load at ind	oor tempe	erature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temperature		tio for pa	rt load				
Tj = -7°C	Pdh	-	kW	Ti = -7°C	COPd	- [-				
Tj = +2°C	Pdh	13.97	kW	$T_j = +2^{\circ}C$	COPd	2.48	-				
Tj = +7°C	Pdh	9.06	kW	$Tj = +7^{\circ}C$	COPd	3.58	-				
Tj = +12°C	Pdh	4.03	kW	$T_j = +12$ °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)		-	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 oth	er than ac	tive mod	le	Supplemantary heater		*					
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	E	Electricity	,				
Crankcase heater mode	РСК	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	_	_	m ³ /h				
Annual energy consumption	QHE	4233	kWh	exchanger			111 / 11				
For heat pump combination heate	<u> </u>	*	**	~							
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfbel	-	kWh				
Contact details	AUX Co 1166 Mii		North 1	Road, Jiangshan Yinzhou District, Ningbo, 31:	5191 Zheji	ang, Chir	ıa				

^(*) 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-H16/4R3HA-M(NE)								
Air-to-water heat ump:		yes									
		no									
		no									
		no									
Equipped with a supplementary h	neater:	no									
Heat pump combination heater:		no									
Declared climate condition		Average	Verage								
Declared temperature application Low											
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	16.1	kW	Seasonal space heating energy efficiency	ηs	193	%				
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 20°C and 00°C and 00		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	-				
T_j = operation limit temperature	Pdh	12.31	kW	Tj = operation limit temperature	COPd	2.67	-				
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 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	1 1 1 1			**				
Standby mode	PSB		kW	Type of energy input	1	Electricity	у				
Crankcase heater mode	PCK.	0.000	kW			_					
Other items	1			I .	<u> </u>						
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			m ³ /h				
Annual energy consumption	QHE	6786	kWh	exchanger	_		111 /11				
For heat pump combination heate		10,00	px 11 II	1	1	1					
Declaed load profile	1			Water heating energy efficiency	Hwh		%				
		<u>-</u>	1-3371-								
Daily electricity consumption Contact details	AUX Co 1166 Min	., Ltd	kWh North	Daily fuel consumption Road, Jiangshan Yinzhou District, Ningbo, 315	Qfuel 191 Zheji	ang, Chir	kWh				

^(*) 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						
odel(s): ACHP-H16/4R3			•							
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 l	neater:	no								
Heat pump combination heater:		no								
Declared climate condition										
Declared temperature application	1	Medium	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	137	%			
					$Tj = +2^{\circ}C$ COPd 3.50 -					
Гj = -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	react near output ()	1 sup	5.5	N VV			
Standby mode	P SB	0.020	kW	Type of energy input	E	Electricity				
Crankcase heater mode		0.000	kW	1						
Other items	<u> </u>	1	1 ''	1						
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /l			
Sound power level.	LWA	68	dB	For water-/brine-to-water heat pumps: Rated		_	m ³ /l			
Annual energy consumption	QHE	8253	kWh	brine or water flow rate, outdoor heat exchanger	-	-	ın /			
For heat pump combination heat		0233	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

			10	chnical parameters							
odel(s): ACHP-H16/4F			•								
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											
Declared temperature application	1	Low									
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			erature	Declared coefficient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj							
Tj = -7°C	Pdh	8.31	kW	Tj = -7°C	COPd	3.37	-				
Tj = +2°C	Pdh	5.26	1	Tj = +2°C	COPd	4.86	-				
Tj = +7°C	Pdh	3.62	kW	$Tj = +7^{\circ}C$	COPd	6.49	-				
Tj = +12°C	Pdh	3.34	+	Tj = +12°C	COPd	7.40	-				
Tj = bivalent temperature	Pdh	11.22	kW	Tj = bivalent temperature	COPd	2.43	-				
Tj = 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)		-	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 of			de	Supplementary heater	WIGE						
Off mode		0.020	kW	Rated heat output (*)	Psup	4.82	kW				
Thermostat-off mode	PTO	0.030	kW	Rated heat output ()	Тзир	7.02	KVV				
				Type of energy input	DiAnt-14						
Standby mode	P SB	0.020	kW	Type of energy input	Electricity						
Crankcase heater mode	PCK	0.000	kW								
Other items							1				
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /ł				
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	8438	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		kWł				
Contact details	AUX Co 1166 Mir		North 1	Road, Jiangshan Yinzhou District, Ningbo, 31	5191 Zhe	jiang, Ch	ina				

^(*) 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):	el(s): ACHP-H16/4R			3HA-M (NE)							
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	Medium	1	1		T					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	121	%				
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				
Тj = -7°С	Pdh	7.64	kW	$Tj = -7^{\circ}C$	COPd	2.65	-				
Tj = +2°C	Pdh	4.42	kW	<u> </u>	COPd	3.79	-				
$Tj = +7^{\circ}C$	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	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	_	Heating water operating limit temperature	WTOL	52	°C				
Power consumption in modes other	ner than a	tive mod	de	Supplemantary heater							
Off mode	P off	0.020	kW	Rated heat output (*)	Psup	6.59	kW				
Thermostat-off mode	PTO	0.030	kW	reated near output ()	Твир	0.57	KW				
Standby mode	P SB	0.020	kW	Type of energy input]	Electricit	у				
Crankcase heater mode	PCK	0.000	kW	1							
Other items	I	<u>I</u>	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	QHE	9362	kWh	exchanger	-	_	''' /''				
For heat pump combination heat		17.502	hr 1111	1	I	l	I				
Declaed load profile	Ī	_		Water heating energy efficiency	Owh	_	%				
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