			T	echnical parameters							
Model(s):		ACHP-I		3HA-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	heater:	no									
Heat pump combination heater:		no									
Declared climate condition		Warmer	Warmer								
Declared temperature application	n	Low									
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 par 20°C and outdoor temperature Tj	door temp	erature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor tempera		o for par	t load a					
Tj = -7°C	Pdh	-	kW	Ti = -7°C	COPd	-	-				
$Tj = +2^{\circ}C$	Pdh	12.97	kW	Tj = +2°C		3.35	_				
$T_{j} = +7^{\circ}C$	Pdh	8.41	kW	$T_{j} = +7^{\circ}C$	COPd	5.31	_				
$Tj = +12^{\circ}C$	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	Supplementary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.13	kW				
					1	<u> </u>	<u> </u>				
Thermostat-off mode	PTO	0.030	kW	True of an array insurt	.	714! - '4					
Standby mode	PSB	0.020	kW	Type of energy input	'	Electricit	У				
Crankcase heater mode	P CK	0.000	kW								
Other items											
Capacity control	•	Variable		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/l				
Annual energy consumption	QHE	2812	kWh	exchanger							
For heat pump combination heat		•	•		•	•					
Declaed load profile		_		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWł				
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 315		ng, Chin					

^(*) 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									
Air-to-water heat ump:			ACHP-H16/5R3HA-ME								
Water-to-water heat pump:		no no									
Brine-to-water heat pump:		no									
		no									
Equipped with a supplementary h	eater:										
		no no									
* *		Warmer									
Declared temperature application Medium											
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 coeffient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature Tj							
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	13.97	kW	Tj = +2°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	Tj = +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)	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	tive mod	e	Supplemantary heater	JI.	<u> </u>					
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.13	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	P _{SB}	0.020	kW	Type of energy input	I	Electricity	,				
Crankcase heater mode	РСК	0.000	kW		<u> </u>						
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-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m ³ /h				
Annual energy consumption	QHE	4233	kWh	exchanger			/ 11				
For heat pump combination heate				1	1	1					
Declaed load profile		-		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec	T _	kWh	Daily fuel consumption	Qfbel	_	kWh				
Contact details	AUX Co.	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 31:	1	I I					

^(*) 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

			Та	admical parameters							
Model (s):		ACHP-		echnical parameters R3HA-ME							
Air-to-water heat ump:		· · · · · · · · · · · · · · · · · · ·									
			yes								
Brine-to-water heat pump:		no no									
		no									
Equipped with a supplementary h	antor:	1									
Heat pump combination heater:	icaici.		no								
Declared climate condition			no Average								
Declared temperature application											
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 tempera		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	$Tj = +2^{\circ}C$	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_i = $ 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	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	e	Supplemantary heater							
Off mode	Poff		kW	Rated heat output (*)	Psup	3.79	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	†	kW	Type of energy input	I	Electricit	y				
Crankcase heater mode	PCK.	0.000	kW								
Other items	ı		ı	1	1						
Capacity control	7	/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	6786	kWh	exchanger							
For heat pump combination heate	_ `	•	•	•	•						
Declaed load profile		-		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Oelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh				
Contact details	AUX Co	., Ltd	•	Road, Jiangshan Yinzhou District, Ningbo, 315			•				

^(*) 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):	ACHP-H16/5F			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 l	neater:	no									
Heat pump combination heater:		no									
Declared climate condition		Average									
Declared temperature application	1	Medium	1	1	ı						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	ηs	137	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj			erature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		tio for pa	rt load				
Tj = -7°C	Pdh	12.38	kW	Tj = -7°C	COPd	2.06	-				
Tj = +2°C	Pdh	7.54	+	Tj = +2°C	COPd	3.50	-				
$Tj = +7^{\circ}C$	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	-				
Γj = 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 other	er than a	rtive mo	de	Supplemantary heater							
Off mode		0.020	kW	Rated heat output (*)	Psup	3.5	kW				
Thermostat-off mode		0.030	kW	raica near output ()	Топр	3.5	KVV				
Standby mode	P SB	0.020	kW	Type of energy input	E	Electricity					
Crankcase heater mode		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	68	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	_	_	m ³ /h				
Annual energy consumption	QHE	8253	kWh	exchanger		-	111 / 1				
For heat pump combination heat			1	1	1						
Declaed load profile		-		Water heating energy efficiency	Owh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWł				
Contact details	AUX Co. 1166 Mir		I	Road, Jiangshan Yinzhou District, Ningbo, 31	5191 Zhej	iang, Chir					

^(*) 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							
Iodel(s): ACHP-H16/5R			•								
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 l	neater:	no									
Heat pump combination heater:		no									
Declared climate condition		Colder									
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			Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		atio for p	art load					
Гj = -7°С	Pdh	8.31	kW	Tj = -7°C	COPd	3.37	-				
$\Gamma j = +2^{\circ}C$	Pdh	5.26	kW		COPd	4.86	-				
Γj = +7°C	Pdh	3.62	kW	$Tj = +7^{\circ}C$	COPd	6.49	-				
Γj = +12°C	Pdh	3.34	kW	Tj = +12°C	COPd	7.40	-				
Γj = 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)	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 neating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	_	Heating water operating limit temperature	WTOL	52	°C				
Power consumption in modes of		l	de	Supplementary heater							
Off mode		0.020	kW	Rated heat output (*)	Psup	4.82	kW				
Thermostat-off mode		0.030	kW	raise near output ()	1 5 u p	11.02	I K V				
Standby mode	P SB	0.020	kW	Type of energy input]]	Electricit	y				
Crankcase heater mode		0.000	kW	1							
Other items		0.000	KVV								
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	8438	kWh	exchanger	_	-	m /n				
For heat pump combination heat		1 0 150	px 1111	1	l	1	1				
Declaed load profile	Ī	_		Water heating energy efficiency	Owh	_	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	_	kWh				
Contact details	AUX Co.	., Ltd	I	Road, Jiangshan Yinzhou District, Ningbo, 31	1 -						

^(*) 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

Model(s):	ACHP-H16/5R			ЗНА-МЕ							
		yes									
1 1		no									
Brine-to-water heat pump:		no									
1 1		no									
Equipped with a supplementary	heater:	no									
Heat pump combination heater:		no									
Declared climate condition			Colder								
Declared temperature application	1	Medium	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 par 20°C and outdoor temperature Tj	t load at in	door temp	erature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		atio for p	art load				
Γj = -7°C	Pdh	7.64	kW	Tj = -7°C	COPd	2.65	-				
Tj = +2°C	Pdh	4.42	kW	Tj = +2°C	COPd	3.79	-				
Tj = +7°C	Pdh	2.97	kW	Tj = +7°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	-				
Γ j = 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 of	ner than a	ctive mo	de	Supplemantary heater							
Off mode	P off	0.020	kW	Rated heat output (*)	Psup	6.59	kW				
Thermostat-off mode	PTO	0.030	kW	2 11	-						
Standby mode	P SB	0.020	kW	Type of energy input]	Electricit	y				
Crankcase heater mode	PCK.	0.000	kW	1							
Other items	<u> </u>	<u> </u>	1	1							
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m ³ /h				
Sound power level.	Łwa	-	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat	-	-	m³/h				
Annual energy consumption	QHE	9362	kWh	exchanger							
For heat pump combination heat	er			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