Model(s):		Outdoo		nnical parameters ACHP-H16/5R3HA-O Indoor unit: AC	'HP_H16/	SR3H∧_I				
. ,			um:	ACIII-III0/3K3IIA-O Ilidool uliit: AC	,111 - 1110/.	JKJIIA-I				
Air-to-water heat ump:		yes								
Water-to-water heat pump:		no no								
Brine-to-water heat pump:		no no								
		no								
Equipped with a supplementary heater:										
Heat pump combination heater: Declared climate condition	no Warmer									
Declared temperature application	Low									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	13.1	kW	Seasonal space heating energy efficiency	Hs	240	%			
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 ter		-	part loa			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-			
$T_j = +2$ °C	Pdh	12.97	kW	$Tj = +2^{\circ}C$	COPd	3.35	_			
$T_{\mathbf{j}} = +7^{\circ}C$	Pdh	8.41	kW	$Tj = +7^{\circ}C$	COPd	5.36	_			
$T_1 = +12$ °C	Pdh	3.87	kW	$T_j = +12$ °C	COPd	8.11	_			
$T_i = bivalent temperature$	Pdh	8.41	kW	Tj = bivalent temperature	COPd	5.36				
Tj = operation limit temperature	Pdh	12.97	kW	Tj = operation limit temperature	COPd	3.35				
For air-to-water heat pumps: $Tj = -15^{\circ}C$ (if TOL<-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	СОРсус	-	-			
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other	er than act	ive mode	;	Supplemantary heater						
Off mode	P off	0.020	kW	Rated heat output (*)	Psup	0.13	kW			
Thermostat-off mode	PTO	0.030	kW							
Standby mode	P SB	0.020	kW	Type of energy input]	Electricity				
Crankcase heater mode	PcK	0.000	kW	1		·				
Other items	I CK	10.000	I K VV	<u> </u>	<u> </u>					
Capacity control	7	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h			
Sound power level,	_		15	For wate r-/b ri ne-to-wate r heat						
indoors/outdoors	LWA	_	dB	pumps:Rated brine or water flow rate,	_	_	m ³ /ł			
Annual energy consumption	QHE	2884	kWh	outdoor heat exchanger						
For heat pump combination heater		_ 2007	12. 11.11	1	I.	<u> </u>				
Declaed load profile		_		Water heating energy efficiency	Owh	_	%			
Daily electricity consumption	Qelec	- -	1,3371.	Daily fuel consumption	Qfuel	-	kWh			
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 3						

^(*) 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): Air-to-water heat ump: Water-to-water heat pump: Brine-to-water heat pump: Low-temperature heat pump: Equipped with a supplementary hea Heat pump combination heater: Declared climate condition Declared temperature application	nter:	Outdoor yes no no no no	unit:	ACHP-Hi6/5R3HA-O Indoor unit: ACHP-	H16/5R3F	IA-I		
Water-to-water heat pump: Brine-to-water heat pump: Low-temperature heat pump: Equipped with a supplementary heat Heat pump combination heater: Declared climate condition Declared temperature application	ater:	no no no no						
Brine-to-water heat pump: Low-temperature heat pump: Equipped with a supplementary hea Heat pump combination heater: Declared climate condition Declared temperature application	ater:	no no no						
Low-temperature heat pump: Equipped with a supplementary heat Heat pump combination heater: Declared climate condition Declared temperature application	ater:	no no						
Equipped with a supplementary hea Heat pump combination heater: Declared climate condition Declared temperature application	iter:	no						
Heat pump combination heater: Declared climate condition Declared temperature application	nter:							
Declared climate condition Declared temperature application		no						
Declared temperature application		110						
		Warmer						
Item		Medium	L					
100111	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 load and outdoor temperature Tj	at indoor to	emperature	20°C	Seasonal space heating energy efficiency Declared coefficient of performance or primary energy ratio for part loat indoor temperature 20°C and outdoor temperature Tj Tj = -7°C Tj = +2°C COPd CO				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-	
Tj = +2°C	Pdh	13.89	kW	Tj = +2°C	COPd	2.58	-	
$Tj = +7^{\circ}C$	Pdh	9.06	kW	$Tj = +7^{\circ}C$	COPd	3.63	-	
Tj = +12°C	Pdh	4.17	kW	Tj = +12°C	COPd	5.91	-	
Tj = bivalent temperature	Pdh	9.06	kW	Tj = bivalent temperature	COPd	3.63	-	
Tj = operation limit temperature	Pdh	13.89	kW	Tj = operation limit temperature	COPd	2.58	-	
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW		COPd	-	-	
Bivalent temperature	Tbiv	7	°C		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 other	than activ	ve mode		Supplemantary heater				
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	3.5	kW	
Thermostat-off mode	PTO	0.030	kW					
Standby mode	P SB	0.020	kW	Type of energy input	1	Electricity	7	
Crankcase heater mode	PcK	0.000	kW					
Other items								
Capacity control	V	⁷ ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h	
Sound power level,	Lwa	_	dB	For water-/bri ne-to-water heat			m³/h	
indoors/outdoors	⊥WA	_	uD	pumps:Rated brine or water flow rate,	-	-	111 /11	
Annual energy consumption	QHE	4331	kWh	outdoor heat exchanger				
For heat pump combination heater				I		T 1		
Declaed load profile		-	1	Water heating energy efficiency	Hwh	-	%	
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	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

			Teo	chnical parameters						
Model(s): Outc		Outdoor unit: ACHP-H 16/5R3HA-O Indoor unit: ACHP-H16/5R3HA-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:		no								
Heat pump combination heater:		no								
Declared climate condition		Average	•							
Declared temperature application Lo				1	1					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	16.1	kW	Seasonal space heating energy efficiency	%	190	%			
Declared capacity for heating for part load and outdoor temperature Tj	l at indoor te	mperature	20 °C	Declared coefficient of performance or primary indoor temperature 20°C and outdoor tempera		io for par	t load at			
Tj = -7°C	Pdh	14.24	kW	Tj = -7°C	COPd	3.04	-			
$Tj = +2^{\circ}C$	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	-			
Tj = 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	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	than activ	e mode	•	Supplemantary heater		'				
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	3.79	kW			
Thermostat-off mode	Рто	0.030	kW							
Standby mode	PSB	0.020	kW	Type of energy input	F	Electricity	7			
Crankcase heater mode	P CK	0.000	kW	1		J				
Other items	1	I	1	1	1					
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h			
Sound power level,	T. year.	12/60	. nt	For water-/brine-to-water heat pumps:Rated						
indoors/outdoors	Lwa	43/68	dB	brine or water flow rate, outdoor heat	-	-	m^3/h			
Annual energy consumption	QHE	6892	kWh	exchanger						
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 1166 Mir		North I	Road, Jiangshan Yinzhou District, Ningbo, 315	191 Zhejia	ng, 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

Madal(a).		0.41		anical parameters	II1 (/5D 21	r a T				
Model(s):		Outdoor	unit:	ACHP-Hl6/5R3HA-O Indoor unit: ACHP-	-H16/5R3F	IA-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: Declared climate condition		no Average								
Declared temperature application	Medium									
	0 1 1			r.	G 1 1	77.1	TT .			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	Hs	135	%			
Declared capacity for heating for part loa and outdoor temperature Tj	d at indoor t	emperature	e 20°C	Declared coefficient of performance or primary energy ratio for part lo at indoor temperature 20°C and outdoor temperature Tj						
Γj = -7°C	Pdh	12.38	kW	$Tj = -7^{\circ}C$	COPd	2.06	-			
$\Gamma j = +2^{\circ}C$	Pdh	7.54	kW	Tj = +2°C	COPd	3.50				
$\Gamma j = +7^{\circ}C$	Pdh	4.85	kW	$Tj = +7^{\circ}C$	COPd	4.33	-			
$\Gamma j = +12^{\circ}C$	Pdh	2.15	kW	Tj = +12°C	COPd	6.97	-			
$\Gamma j = bivalent temperature$	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 other	r than acti	ve mode		Supplemantary heater						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	3.5	kW			
Thermostat-off mode	Рто	0.030	kW		1					
Standby mode	Pap	0.020	kW	Type of energy input	F	lectricity				
Crankcase heater mode	PSB P CK	0.020	kW			7				
Other items	1 CK	0.000	L VV							
Capacity control		/ariable		For air-to-water heat pumps: Rated air	_	4650	m ³ /h			
Sound power level,		1		flow rate, outdoors						
ndoors/outdoors	LWA	43/68	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	-	m ³ /h			
Annual energy consumption	Qне	8380	kWh	outdoor heat exchanger						
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., 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

			Ta	chnical parameters							
Model(s):		Outdoor		ACHP-Hl6/5R3HA-O Indoor unit: ACHP-H1	6/5R3HA	-I					
Air-to-water heat ump:		ves									
Water-to-water heat pump:		no									
Brine-to-water heat pump:		no									
Low-temperature heat pump:		no									
		no									
Heat pump combination heater:		no									
Declared climate condition		Colder									
Declared temperature application L											
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	13.7	kW	Seasonal space heating energy efficiency	%	157	%				
Declared capacity for heating for part loa and outdoor temperature Tj	ad at indoor	temperatu	re 20°C	Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature Tj							
Tj = -7°C	Pdh	8.31	kW	Tj = -7°C	COPd	3.37	-				
$Tj = +2^{\circ}C$	Pdh	5.26	kW	Tj = +2°C	COPd	4.86	-				
$Tj = +7^{\circ}C$	Pdh	3.62	kW	$Tj = +7^{\circ}C$	COPd	6.49	-				
Tj = +12°C	Pdh	3.34	kW	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)	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	er than act	ive mode		Supplemantary heater							
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	4.82	kW				
Thermostat-off mode	PTO	0.030	kW	1 ()							
Standby mode	P SB	0.020	kW	Type of energy input]	Electricity	7				
Crankcase heater mode	PcK	0.000	kW								
Other items	<u>'</u>				•						
Capacity control	, T	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h				
Sound power level,				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	QHE	8438	kWh	exchanger							
For heat pump combination heate	r										
Declaed load profile		-		Water heating energy efficiency	Qwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfbel	-	kWh				
Contact details	AUX Co 1166 Min			Road, Jiangshan Yinzhou District, Ningbo, 315	5191 Zhej:	iang, 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

			Tecl	hnical parameters						
Model(s):		Outdoo		ACHP-H16/5R3HA-O Indoor unit: ACHF	P-H16/5R3	BHA-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 he	ater:	no								
Heat pump combination heater:		no								
Declared climate condition		Colder								
Declared temperature application		Mediun	1	T	1					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	11.8	kW	Seasonal space heating energy efficiency	As	121	%			
Declared capacity for heating for part load and outdoor temperature Tj	l at indoor to	emperatur	e 20°C	Declared coefficient of performance or primar indoor temperature 20°C and outdoor 20°C and 00°C and 0		atio for p	art load a			
Tj = -7°C	Pdh	7.64	kW	Tj = -7°C	COPd	2.65	-			
Tj = +2°C	Pdh	4.42		Tj = +2°C	COPd	3.79	-			
Tj = +7°C	Pdh	2.97	kW	$Tj = +7^{\circ}C$	COPd	4.81	-			
Tj = +12°C	Pdh	3.43	kW	$Tj = +12^{\circ}C$	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: $T_i = -15$ °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			
Dawar aangumntian in madag athar	than activ	ra mada		Sumlamentary hoster						
Power consumption in modes other Off mode	P OFF	0.020	kW	Supplementary heater Rated heat output (*)	Psup	6.59	kW			
				raioa noai output ()	1 sup	0.37	I V VV			
Thermostat-off mode	Рто	0.030	kW	Type of energy input	1	Electricit	V			
Standby mode	P SB	0.020	kW	1,750 of onorgy input		_100111011	J			
Crankcase heater mode	PCK	0.000	kW							
Other items				la de la companya de	1	1				
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-/bri ne-to-water heat						
indoors/outdoors	LWA		עט	pumps:Rated brine or water flow rate,	-	-	m ³ /h			
Annual energy consumption	QHE	9362	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 1166 Mir		North	Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zh	ejiang, C	hina			

^(*) 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