				chnical parameters							
Model(s): Outdoor unit:			ACHP-H14/5R3HA-O Indoor unit: ACHP-	H14/5R3	HA-I						
Air-to-water heat ump:											
Water-to-water heat pump:			10								
Brine-to-water heat pump:											
Low-temperature heat pump:											
Equipped with a supplementary heater:											
Heat pump combination heater:											
Declared climate condition											
Declared temperature application Low				1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	12.1	kW	Seasonal space heating energy efficiency	0s	253	%				
Declared capacity for heating for part leads outdoor temperature Tj	oad at indoor	temperati	ıre 20°C	Declared coefficient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj							
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
Tj = +2°C	Pdh	12.00	kW	$Tj = +2^{\circ}C$	COPd	3.44	-				
$Tj = +7^{\circ}C$	Pdh	7.78	kW	$Tj = +7^{\circ}C$	COPd	5.84	-				
Tj = +12°C	Pdh	3.75	kW	Tj = +12°C	COPd	8.25	-				
Tj = bivalent temperature	Pdh	7.78	kW	Tj = bivalent temperature	COPd	5.84	-				
Tj = operation limit temperature	Pdh	12.00	kW	Tj = operation limit temperature	COPd	3.44	_				
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	Peych	-	kW	Cycling interval efficiency	СОРсус	-	-				
Degradation co-efficient(**)	Cdh	0.9	_	Heating water operating limit temperature	WTOL	60	°C				
D	41		1_	C	l						
Power consumption in modes otl Off mode	POFF			Supplementary heater	D	0.10	1-337				
Off mode	OFF	0.020	kW	Rated heat output (*)	Psup	0.10	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input]	Electricity					
Crankcase heater mode	P CK	0.000	kW								
Other items		•	•								
Capacity control	1	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h				
Sound power level,	T.		150	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	Оне	2529	kWh	exchanger							
For heat pump combination heat			1 15 77 11	1	ı	I					
Declaed load profile	 T	_		Water heating energy efficiency	Hwh	_	%				
Daily electricity consumption	Qelec		kWh	Daily fuel consumption	Qfbel	_	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

			Tecl	hnical parameters							
Model(s):		Outdoor unit: ACHP-H 14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-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									
		Warmer	•								
Declared temperature application			1								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.1	kW	Seasonal space heating energy efficiency	Hs	172	%				
Declared capacity for heating for part load and outdoor temperature Tj	at indoor te	mperature	: 20 °C	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temperature 20°C.		atio for pa	ırt load				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
$Tj = +2^{\circ}C$	Pdh	13.96	kW	Tj = +2°C	COPd	2.6	-				
Tj = +7°C	Pdh	9.32	kW	$Tj = +7^{\circ}C$	COPd	3.75	-				
Tj = +12°C	Pdh	4.17	kW	Tj = +12°C	COPd	5.82	-				
Tj = bivalent temperature	Pdh	9.32	kW	Tj = bivalent temperature	COPd	3.75	-				
Tj = operation limit temperature	Pdh	13.96	kW	Tj = operation limit temperature	COPd	2.6	-				
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	СОРсус	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other	than activ	e mode		Supplementary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	3.5	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input	E	Electricity	,				
Crankcase heater mode	P CK	0.000	kW		-						
Other items											
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h				
Sound power level,	LWA	_	dB	For water-/brine-to-water heat pumps:Rated							
indoors/outdoors	LWA	_	иБ	brine or water flow rate, outdoor heat	-	-	m^3/h				
Annual energy consumption	Qне	4285	kWh	exchanger							
For heat pump combination heater											
Declaed load profile		-	1	Water heating energy efficiency	Owh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh				
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

			Te	chnical parameters							
Model(s):		Outdoo		ACHP-H14/5R3HA-O Indoor unit: ACHP-	H14/5R3H	A-I					
Air-to-water heat ump:		yes									
Water-to-water heat pump:		no									
Brine-to-water heat pump:		no	10								
Low-temperature heat pump:											
Equipped with a supplementary heater: no											
Heat pump combination heater: no											
Declared climate condition			•								
Declared temperature application	Low			T.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.5	kW	Seasonal space heating energy efficiency	Hs	186	%				
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		io for par	t load a				
Tj = -7°C	Pdh	12.83	kW	Tj = -7°C	COPd	3.00	-				
$Tj = +2^{\circ}C$	Pdh	7.81	kW	$Tj = +2^{\circ}C$	COPd	4.74	-				
Tj = +7°C	Pdh	5.02	kW	$Tj = +7^{\circ}C$	COPd	5.92	-				
Tj = +12°C	Pdh	2.23	kW	Tj = +12°C	COPd	9.20	-				
Tj = bivalent temperature	Pdh	12.83	kW	Tj = bivalent temperature	COPd	3.00	-				
Tj = operation limit temperature	Pdh	11.10	kW	Tj = operation limit temperature	COPd	2.73	-				
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 other	r than acti	ve mode		Supplemantary heater							
•					D	2.40	1 337				
Off mode Thermostat-off mode	POFF PTO	0.020	kW kW	Rated heat output (*)	Psup	3.40	kW				
Standby mode		0.020	kW	Type of energy input	F	Electricity	tv				
Crankcase heater mode	P _{SB}	0.020	kW		Licetricity						
Other items	1 CK	0.000	K VV								
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	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			3/1				
	-	(353	1 337	exchanger	-	-	m ³ /h				
Annual energy consumption	QнE	6352	kWh	5							
For heat pump combination heater				Water heating an array officiar	T Invol-		0/				
Declaed load profile		-	1 337	Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh				
Contact details	AUX Co. 1166 Mir		North 1	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

		la		nical parameters						
Model(s):		Outdoor unit: ACHP-H 14/5R3HA-O Indoor unit: ACHP-H 14/5R3HA-I								
Air-to-water heat ump:		yes								
Water-to-water heat pump:		no								
Brine-to-water heat pump:		no								
		no								
Equipped with a supplementary heate	er:	no								
1 1		no A								
		Average Medium								
Declared temperature application										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	Os	135	%			
Declared capacity for heating for part load at outdoor temperature Tj	t indoor tem	perature 2	20°C and	Declared coeffient of performance or prima at indoor temperature 20°C and outdoor ten		-	oart loa			
Γj = -7°C	Pdh	12.38	kW	Tj = -7°C	COPd	2.06	-			
Tj = +2°C	Pdh	7.54	kW	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	-			
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: $T_i = -15$ °C(ifTOL<-20°C)	COPd	-	-			
Bivalent temperature	Tfc>iv	-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 other the	nan active	mode		Supplementary heater						
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	3.5	kW			
Thermostat-off mode	PTO	0.030	kW			<u>I</u>				
Standby mode	P SB	0.020	kW	Type of energy input	I	Electricity	,			
Crankcase heater mode	PCK.	0.000	kW							
Other items					•					
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	4650	m ³ /h			
Sound power level, indoors/outdoors	LWA	43/65	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m ³ /h			
Annual energy consumption	QHE	8380	kWh	exchanger			111 / L			
For heat pump combination heater	7 Zur		12.7711	1	1	1				
Declaed load profile		-		Water heating energy efficiency	Owh	_	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWl			
Contact details	AUX Co.	, Ltd		Road, Jiangshan Yinzhou District, Ningbo, 3		ejiang, Cl				

^(*) 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

		1		hnical parameters					
Model(s):		Outdoor	unit:	ACHP-H14/5R3HA-O Indoor unit: ACHI	P-H14/5R3	3HA-I			
Air-to-water heat ump:		yes							
Water-to-water heat pump:		no							
Brine-to-water heat pump:		no							
Low-temperature heat pump:									
Equipped with a supplementary he	eater:	no							
Heat pump combination heater:		no							
Declared climate condition	Colder								
Declared temperature application Low					1				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output(*)	Prated	12.6	kW	Seasonal space heating energy efficiency	0s	159	%		
Declared capacity for heating for part load at indoor tempera and outdoor temperature Tj				Declared coefficient of performance or prima at indoor temperature 20°C and outdoor terms.		-	art lo		
Γj = -7°C	Pdh	7.96	kW	$Tj = -7^{\circ}C$	COPd	3.44	-		
$Tj = +2^{\circ}C$	Pdh	5.05	kW	Tj = +2°C	COPd	4.92	_		
$\frac{Tj - +2C}{Tj = +7^{\circ}C}$	Pdh	3.15	kW	$Tj = +7^{\circ}C$	COPd	6.11			
$\Gamma j = +12^{\circ}C$	Pdh	3.57	kW	Tj = +12°C	COPd	7.82	-		
Γ j = bivalent temperature	Pdh	10.31	kW	Tj = bivalent temperature	COPd	2.53	-		
Γ j = operation limit temperature	Pdh	7.57	kW	Tj = operation limit temperature	COPd	1.92	_		
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	;	Supplementary heater					
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	5.03	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						
Other items		1	1	1					
Capacity control		Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /l		
Sound power level, indoors/outdoors	LWA	-	dB	For wate r-/b ri ne-to-wate r heat pumps:Rated brine or water flow rate,			m ³ /l		
Annual energy consumption	Qне	7685	kWh	outdoor heat exchanger	_	-	111-71		
For heat pump combination heater	•	1,003	hz 44 11	-	1				
Declaed load profile		_		Water heating energy efficiency	Hwh	_	%		
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfbel	-	kWl		
Contact details	AUX Co 1166 Mii			Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zh	ejiang, Ch			

^(*) 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						
				ACHP-H14/5R3HA-O Indoor unit: ACHP-	H14/5R3F	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		Colder								
Declared temperature application	ature application Medium				1					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	11.0	kW	Seasonal space heating energy efficiency	%	118	%			
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	6.89	kW	$Tj = -7^{\circ}C$	COPd	2.66	-			
$Tj = +2^{\circ}C$	Pdh	4.32	kW	Tj = +2°C	COPd	3.66	-			
$Tj = +7^{\circ}C$	Pdh	3.06	kW		COPd	4.72	-			
Tj = +12°C	Pdh	3.33	kW	Tj = +12°C	COPd	6.25	-			
Tj = bivalent temperature	Pdh	8.94	kW	Tj = bivalent temperature	COPd	1.79	-			
Tj = operation limit temperature	Pdh	4.20	kW	Tj = operation limit temperature	COPd	1.13	_			
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	r than activ	e mode	1	Supplemantary heater						
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	6.80	kW			
Thermostat-off mode	Рто	0.030	kW				* *			
Standby mada	Pap	0.020	kW	Type of energy input]	Electricity	7			
Standby mode Crankcase heater mode	P _{SB}	0.020	kW	7187						
Other items	FCK	0.000	KVV							
Omer nems				For air-to-water heat pumps: Rated air flow						
Capacity control	/	/ariable		rate, outdoors	-	4650	m^3/h			
Sound power level,			10	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	8937	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	Road, Jiangshan Yinzhou District, Ningbo, 315	i191 Zheji	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