N 4I - I / - \ ·		0.44-		A OUR LIAA/EROUA O La de en contra A OUR LI	4.4.550114						
` '			Outdoor unit: ACHP-H14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-I								
Air-to-water heat nump:			yes								
Water-to-water heat pump: Brine-to-water heat pump:		no									
Low-temperature heat pump:			no								
Equipped with a supplementary heater:			no								
Equipped with a supplementary heater: no Heat pump combination heater: no											
Declared climate condition Warmer											
Declared temperature application Low											
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni				
Rated heat output(*)	Prated	12.1	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	253	%				
Declared capacity for heating for par 20°C and outdoor temperature T _j	load at ind	oor tempe	rature	Seasonal space heating energy efficiency η_s 253 % Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T_j $T_j = -7^{\circ}C$ $COPd$ $COPd$ 3.44 - $COPd$ 5.84 - $COPd$ 5.84 - $COPd$ 6.825 - $COPd$ 6.84 - $COPd$ 6.85 - $COPd$ 6.84 - $COPd$ 6.85							
T _j = -7°C	Pdh	_	kW	$T_j = -7^{\circ}C$	COPd	-	_				
T _j = +2°C	Pdh	12.00	kW	$T_j = +2^{\circ}C$	COPd	3.44	-				
T _j = +7°C	Pdh	7.78	kW	$T_j = +7^{\circ}C$	COPd	5.84	-				
T _j = +12°C	Pdh	3.75	kW	T _j = +12°C	COPd	8.25	-				
T _j = bivalent temperature	Pdh	7.78	kW	T _j = bivalent temperature	COPd	5.84	-				
T _j = operation limit temperature	Pdh	12.00	kW	T _j = operation limit temperature	COPd	3.44	-				
For air-to-water heat pumps: T _i = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COPd	-	-				
Bivalent temperature	T _{biv}	7	°C		TOL	2	°C				
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes ot	ner than ac	tive mod	le	Supplemantary heater	<u> </u>						
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	Psup	0.10	kW				
Thermostat-off mode	P _{TO}	0.030	kW								
Standby mode	P_{SB}	0.020	kW	Type of energy input	[E	Electricity	r				
Crankcase heater mode	P _{CK}	0.000	kW								
Other items	I			l l							
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /l				
Sound power level,	L _{WA}	-	dB	For water-/brine-to-water heat			2				
indoors/outdoors	1	2522	14\ ^ / 1-	pumps:Rated brine or water flow rate,	-	-	m ³ /ŀ				
Annual energy consumption	Q _{HE}	2529	kWh	outdoor heat exchanger							
For heat pump combination heat	er T			П.,,		1					
Declaed load profile		- I	I	Water heating energy efficiency	η _{wh}	-	%				
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWl				
Contact details	AUX Co.		North F	Road, Jiangshan Yinzhou District, Ningbo, 315	5191 Zhejia	ıng, Chin	а				

^(*) 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(T_i).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

			Tech	nnical parameters								
Model(s): Outdoor unit:			r unit: A	ACHP-H14/5R3HA-O Indoor unit: ACHP-H	14/5R3HA-	-						
Air-to-water heat ump:		yes										
Water-to-water heat pump:	no	10										
Brine-to-water heat pump:		no										
Low-temperature heat pump:												
Equipped with a supplementary heater:		no										
Heat pump combination heater:		no	10									
Declared climate condition		Warmer										
Declared temperature application	Medium											
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	13.7	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	175	%					
Declared capacity for heating for part loa °C and outdoor temperature T _j	ad at indoo	r tempera	ture 20	Declared coeffient of performance or primar at indoor temperature 20°C and outdoor tem		•	art load					
T _j = -7°C	Pdh	-	kW	T _j = -7°C	COPd	-	-					
T _j = +2°C	Pdh	13.60	kW	$T_j = +2^{\circ}C$	COPd	2.18	-					
T _j = +7°C	Pdh	8.83	kW	$T_j = +7^{\circ}C$	COPd	3.91	-					
T _j = +12°C	Pdh	4.08	kW	T _i = +12°C	COPd	5.90	-					
T _i = bivalent temperature	Pdh	8.83	kW	T _i = bivalent temperature	COPd	3.91	-					
T _i = operation limit temperature	Pdh	13.60	kW	T _i = operation limit temperature	COPd	2.18	-					
For air-to-water heat pumps:	Pdh		kW	For air-to-water heat pumps:	COPd							
$T_j = -15^{\circ}C$ (if TOL < -20°C)	Pull	-	KVV	T _j = -15°C (if TOL < -20°C)	COPa	-	-					
Bivalent temperature	T_biv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C					
Cycling interval capacity for heating	P_{cych}	-	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	P _{OFF}	0.020	kW	Rated heat output (*)	Psup	0.10	kW					
Thermostat-off mode	P _{TO}	0.030	kW			•						
Standby mode	P _{SB}	0.020	kW	Type of energy input	E	Electricity						
Crankcase heater mode	P _{CK}	0.000	kW									
Other items				··	-							
Capacity control	٧	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h					
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	_	m ³ /h					
Annual energy consumption	Q _{HE}	4119	kWh	outdoor heat exchanger	-	-	111 /11					
For heat pump combination heater		l	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>							
Declaed load profile		_		Water heating energy efficiency	$\eta_{ m wh}$	-	%					
	Qalaa	_	kWh	,		_	kWh					
Contact details	Q _{elec} - kWh Daily fuel consumption Q _{fuel} - kWh 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(T_j).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9

			Ter	chnical parameters							
Model(s):		Outdoo		ACHP-H14/5R3HA-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 he	ater:	no									
Heat pump combination heater:		no									
Declared climate condition		Average	,								
Declared temperature application		Low									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.5	kW	Seasonal space heating energy efficiency	η_{s}	186	%				
Declared capacity for heating for part lo 20°C and outdoor temperature T _j	pad at indoc	or tempera	ature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor 20°C and 00°C a		io for par	t load a				
T _j = -7°C	Pdh	12.83	kW	$T_j = -7^{\circ}C$	COPd	3.00					
T _j = +2°C	Pdh	7.81	kW	$T_j = +2^{\circ}C$	COPd	4.74	-				
T _j = +7°C	Pdh	5.02	kW	$T_j = +7^{\circ}C$	COPd	5.92	-				
T _j = +12°C	Pdh	2.23	kW	T _j = +12°C	COPd	9.20	-				
T _j = bivalent temperature	Pdh	12.83	kW	T _j = bivalent temperature	COPd	3.00	-				
T _j = operation limit temperature	Pdh	11.10	kW	T _j = operation limit temperature	COPd	2.73	-				
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COPd	-	-				
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C				
Cycling interval capacity for heating	P _{cych}	-	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 act	ive mode	, _	Supplemantary heater							
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	Psup	3.40	kW				
Thermostat-off mode	P _{TO}	0.030	kW								
Standby mode	P _{SB}	0.020	kW	Type of energy input	l F	Electricity	/				
Crankcase heater mode	P _{CK}	0.000	kW	11							
Other items	<u> </u>	<u>.</u>		Ч.							
Capacity control	\	√ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /l				
Sound power level,				For water-/brine-to-water heat pumps:Rated							
indoors/outdoors	L_WA	-	dB	brine or water flow rate, outdoor heat	-	-	m ³ /ł				
Annual energy consumption	Q_{HE}	6352	kWh	exchanger							
For heat pump combination heater											
Declaed load profile		_		Water heating energy efficiency	η_{wh}	-	%				
Daily electricity consumption	Q _{elec}		kWh	Daily fuel consumption		_					
Contact details	AUX Co.,	Q _{elec} - kWh Daily fuel consumption Q _{fuel} - kWh 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(T_j).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9

			Techr	nical parameters							
Model(s):	Outdoor unit: ACHP-H14/5R3HA-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									
Declared climate condition		Average									
Declared temperature application	Medium										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	135	%				
Declared capacity for heating for part load °C and outdoor temperature T _j	l at indoor t	emperatu	re 20	Declared coeffient of performance or prima at indoor temperature 20°C and outdoor ter			art load				
T _j = -7°C	Pdh	12.38	kW	T _j = -7°C	COPd	2.06	-				
T _j = +2°C	Pdh	7.54	kW	$T_j = +2^{\circ}C$	COPd	3.50	-				
T _j = +7°C	Pdh	4.85	kW	$T_j = +7^{\circ}C$	COPd	4.33	-				
T _j = +12°C	Pdh	2.15	kW	T _j = +12°C	COPd	6.97	-				
T _j = bivalent temperature	Pdh	12.38	kW	T _j = bivalent temperature	COPd	2.06	-				
T _j = operation limit temperature	Pdh	10.50	kW	T _j = operation limit temperature	COPd	1.80	-				
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COPd	-	-				
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C				
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other t	han active	mode		Supplemantary heater	I.						
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	Psup	3.5	kW				
Thermostat-off mode	P _{TO}	0.030	kW			•					
Standby mode	P _{SB}	0.020	kW	Type of energy input	E	,					
Crankcase heater mode	P _{CK}	0.000	kW								
Other items		<u>I</u>									
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /h				
Sound power level, indoors/outdoors	L _{WA}	43/65	dB	For water-/brine-to-water heat			m ³ /h				
Annual energy consumption	Q _{HE}	8380	kWh	pumps:Rated brine or water flow rate, outdoor heat exchanger	_	-	m /n				
For heat pump combination heater	≪HE	0300	IVAALI	ostador ricat oxeriarigor		ļ					
Declaed load profile				Water heating energy officiency	n	1	%				
'	0	<u>-</u>	12/877	Water heating energy efficiency	η _{wh}	-					
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh				
Contact details	AUX Co., 1166 Min		North R	Road, Jiangshan Yinzhou District, Ningbo, 31	5191 Zheji	ang, Chii	na				

^(*) 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(T_i).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9

			Tech	nnical parameters								
Model(s):				ACHP-H14/5R3HA-O Indoor unit: ACHP-H	114/5R3HA	\-						
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		Colder	Colder									
Declared temperature application		Low										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	12.6	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	159	%					
Declared capacity for heating for part I 20°C and outdoor temperature T_{j}	oad at indo	or tempera	ature	Declared coeffient of performance or prima at indoor temperature 20°C and outdoor ter			oart load					
T _j = -7°C	Pdh	7.96	kW	$T_j = -7^{\circ}C$	COPd	3.44	-					
T _j = +2°C	Pdh	5.05	kW	, T _j = +2℃	COPd	4.92	_					
$T_j = +7^{\circ}C$	Pdh	3.15	kW	T _i = +7°C	COPd	6.11	_					
				,								
T _j = +12°C	Pdh	3.57	kW	T _j = +12°C	COPd	7.82	-					
T _j = bivalent temperature	Pdh	10.31	kW	T _j = bivalent temperature	COPd	2.53	-					
T _j = operation limit temperature	Pdh	7.57	kW	T _j = operation limit temperature	COPd	1.92	-					
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COPd	-	-					
Bivalent temperature	T _{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C					
Cycling interval capacity for heating	P _{cych}	-	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 act	I ive mode	<u> </u>	Supplemantary heater								
Off mode	1	0.020	kW		Davin	5.03	kW					
	P _{OFF}			Rated heat output (*)	Psup	5.03	KVV					
Thermostat-off mode	P _{TO}	0.030	kW									
Standby mode	P _{SB}	0.020	kW	Type of energy input		Electricity	′					
Crankcase heater mode	P _{CK}	0.000	kW									
Other items												
Capacity control	\	′ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h					
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	_	m³/h					
Annual energy consumption	Q _{HE}	7685	kWh	outdoor heat exchanger			111 /11					
For heat pump combination heate	•	, 500	L	1	<u>l</u>							
Declaed load profile		_		Water heating energy efficiency	n .		%					
	0	· [kWh		η _{wh}	-	kWh					
Daily electricity consumption Contact details	Q _{elec} AUX Co. 1166 Min			Daily fuel consumption Road, Jiangshan Yinzhou District, Ningbo, 31	Q _{fuel} 5191 Zhej							
heating Pdesignh, and the rated h $\sup(T_j)$.	eat output	of a sup	plemen	n heaters, the rated heat output Prated is equatory heater Psup is equal to the supplemental		-						

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9

			Ted	chnical parameters							
Model(s): Outc				ACHP-H14/5R3HA-O Indoor unit: ACHP-H14	I/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		Colder									
Declared temperature application		Medium	1	П.,							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	11.0	kW	Seasonal space heating energy efficiency	$\eta_{\rm s}$	118	%				
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coeffient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature T_j $T_j = -7^{\circ}\text{C}$ $T_j = +2^{\circ}\text{C}$ $T_j = +7^{\circ}\text{C}$ $T_j = +7^{\circ}\text{C}$ $T_j = +12^{\circ}\text{C}$ $T_j = +12^{\circ}\text{C}$ $T_j = \text{bivalent temperature}$ $T_j = \text{bivalent temperature}$ $T_j = \text{operation limit temperature}$ $T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$) For air-to-water heat pumps: $T_j = -15^{\circ}\text{C}$ (if $TOL < -20^{\circ}\text{C}$) For air-to-water heat pumps: $TOL = -22$ $TOL = $							
T _j = -7°C	Pdh	6.89	kW	T _j = -7°C	COPd	2.66	-				
T _j = +2°C	Pdh	4.32	kW	$T_i = +2^{\circ}C$	COPd	3.66	-				
T _j = +7°C	Pdh	3.06	kW	$T_j = +7^{\circ}C$	COPd	4.72	-				
T _j = +12°C	Pdh	3.33	kW	T _i = +12°C	COPd	6.25	-				
T _i = bivalent temperature	Pdh	8.94	kW	T _i = bivalent temperature	COPd	1.79	_				
T _i = operation limit temperature	Pdh	4.20	kW	T _i = operation limit temperature	COPd	1.13	_				
For air-to-water heat pumps:				For air-to-water heat pumps:							
Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	Tj = -15°C (if TOL < -20°C)	COPd	-	-				
Bivalent temperature	T_{biv}	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C				
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	52	°C				
Power consumption in modes other	than activ	re mode	1	Supplemantary heater		<u> </u>					
Off mode	P _{OFF}	0.020	kW	Rated heat output (*)	Psup	6.80	kW				
Thermostat-off mode	P _{TO}	0.030	kW			<u> </u>					
Standby mode	P _{SB}	0.020	kW	Type of energy input	6	Electricity	,				
Crankcase heater mode	P _{CK}	0.000	kW								
Other items											
Capacity control	٧	′ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /l				
Sound power level,	1,	_	dB	For water-/brine-to-water heat pumps:Rated							
indoors/outdoors	L _{WA}		иD	brine or water flow rate, outdoor heat	-	-	m ³ /l				
Annual energy consumption	Q_{HE}	8937	kWh	exchanger							
For heat pump combination heater	1										
Declaed load profile		-		Water heating energy efficiency	η_{wh}	-	%				
Daily electricity consumption	Q_{elec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWl				
Contact details	AUX Co.,										

^(*) 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(T_j). (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9