			Tec	hnical parameters								
Model(s):		ACHP-	H14/4F	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 he	ater:	no										
Heat pump combination heater:		no										
Declared climate condition Declared temperature application		Warme Low	r									
		LOW	1									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	12.1	kW	Seasonal space heating energy efficiency	ηs	259	%					
Declared capacity for heating for part lo 20°C and outdoor temperature Tj	oad at indo	oor tempe	erature	Declared coeffient of performance or primar indoor temperature 20°C and outdoor tempe		atio for p	art load					
ſj = -7°C	Pdh	-	kW	$T_i = -7^{\circ}C$	COPd	-	-					
$\Gamma j = +2^{\circ}C$	Pdh	12.00	kW	$T_{j} = +2^{\circ}C$	COPd	3.44	-					
$\Gamma j = +7^{\circ}C$	Pdh	7.78	kW	Tj=+7°C	COPd	5.84						
$\frac{1}{1} = +12^{\circ}C$	Pdh	3.75	kW	Tj=+12°C	COPd	8.25						
-												
Γj = bivalent temperature	Pdh	7.78	kW	Tj = bivalent temperature	COPd	5.84	-					
Γj = 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	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 act	ive mod	e	Supplemantary heater								
Off mode	POFF	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		1	1	1	I							
				For air-to-water heat pumps: Rated airflow								
Capacity control	۲	Variable		rate, outdoors	-	4650	m <sup>3</sup> /h					
Sound power leveL	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat			m <sup>3</sup> /h					
Annual energy consumption	QHE	2463	kWh	exchanger		-	<u> </u>					
For heat pump combination heater			•	,	•							
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%					
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh					
	AUX Co											

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

Model(s):		ACIII -	П14/4J	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		no					
Heat pump combination heater	:	no					
Declared climate condition		Warmer					
Declared temperature application	on	Mediun	1 1	1			
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 p emperature 20°C and outdoor temp				Declared coeffient of performance or primary en indoor temperature 20°C and outdoor temperature		for part l	oad at
Гj = -7°С	Pdh	-	kW	$T_i = -7^{\circ}C$	COPd	-	-
$\Gamma_j = +2^{\circ}C$	Pdh	14.0	kW	Tj=+2°C	COPd	2.42	-
$\Gamma j = +7^{\circ}C$	Pdh	9.06	kW	Tj=+7°C	COPd	3.53	_
$\frac{1}{\Gamma_{j}} = +12^{\circ}C$	Pdh	4.03	kW	Tj=+12°C	COPd	6.16	-
							-
Γj = bivalent temperature	Pdh	9.06	kW	Tj = bivalent temperature	COPd	3.53	-
Γj = operation limit emperature	Pdh	14.00	kW	Tj = operation limit temperature	COPd	2.42	-
For air-to-water heat pumps: $\Gamma j = -15^{\circ}C$ (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	other than	active r	node	Supplemantary heater			
Off mode	POFF	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	1			
Other items				d			
				For air-to-water heat pumps: Rated airflow rate,			
Capacity control	V	ariable		outdoors	- 4650 r		m <sup>3</sup> /h
Sound power leveL	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h
Annual energy consumption	Qhe	4235	kWh	or water new rate, outdoor near excitaliger			
For heat pump combination heat	ater						
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co.	, Ltd		Road, Jiangshan Yinzhou District, Ningbo, 31519	) 1 Zheijan	g China	

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

			Tech	inical parameters							
Model(s): ACH			CHP-H14/4R3HA-ME								
Air-to-water heat ump:			yes								
Water-to-water heat pump:			no								
Brine-to-water heat pump:		no									
		no									
Equipped with a supplementary heat	er:	no									
Heat pump combination heater:		no									
Declared climate condition		Average									
Declared temperature application		Low		1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	14.5	kW	Seasonal space heating energy efficiency	ηs	188	%				
Declared capacity for heating for part loa 20 °C and outdoor temperature Tj	id at indoo	r tempera	ture	Declared coeffient of performance or primar- indoor temperature 20°C and outdoor tempe		atio for p	art 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	-				
$Tj = +7^{\circ}C$	Pdh	5.02	kW	$Tj = +7^{\circ}C$	COPd	5.82	-				
$Tj = +12^{\circ}C$	Pdh	2.23	kW	$Tj = +12^{\circ}C$	COPd	9.20	-				
Tj = bivalent temperature	Pdh	12.83	kW	Tj = bivalent temperature	COPd	3.00	-				
Γj = operation limit temperature	Pdh	11.46	kW	Tj = operation limit temperature	COPd	2.73	-				
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	$Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	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 t	than activ	e mode		Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	3.4	kW				
Thermostat-off mode	P TQ	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input	Electricity						
Crankcase heater mode	PcK	0.000	kW	1							
Other items	1.010		L	1							
Capacity control	Variable			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 brine or water flow rate, outdoor heat	-	-	m³/h				
Annual energy consumption	Qhe	6257	kWh	exchanger							
For heat pump combination heater											
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh				
	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China										

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

			Techr	nical parameters						
Model(s):			H14/4F	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 heat	er:	no								
Heat pump combination heater: Declared climate condition		no								
Declared temperature application		Averag Mediur								
Declared temperature application										
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 and outdoor temperature Tj	l at indoor i	temperatu	ire 20 °C	Declared coeffient of performance or prim at indoor temperature 20°C and outdoor te			part lo			
$Tj = -7^{\circ}C$	Pdh	12.38	kW	Tj = -7°C	COPd	2.06	-			
$Tj = +2^{\circ}C$	Pdh	7.54	kW	$Tj = +2^{\circ}C$	COPd	3.50	_			
$Tj = +7^{\circ}C$	Pdh	4.85		$Tj = +7^{\circ}C$		4.33	-			
$T_i = +12^{\circ}C$	Pdh	2.15	kW	$T_i = +12^{\circ}C$	COPd	6.97	-			
Tj = bivalent temperature	Pdh	12.38	kW	Tj = bivalent temperature		2.06	-			
Tj = operation limit temperature	Pdh	10.50	kW	$T_j = operation limit temperature$	COPd	1.80	-			
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: $Tj = -15^{\circ}C(ifTOL <-20^{\circ}C)$	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 t	han active	e mode		Supplemantary 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	Electricity					
Crankcase heater mode	Рск	0.000	kW	]						
Other items	1		1	1						
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h			
Sound power leveL	LWA	64	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_		m <sup>3</sup> /h			
Annual energy consumption	QHE	8251	kWh	outdoor heat exchanger						
For heat pump combination heater	<u> </u>									
Declaed load profile		-		Water heating energy efficiency	Qwh	-	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh			
Contact details	AUX Co			Road, Jiangshan Yinzhou District, Ningbo,		Chejiang, C				

(\*) 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

			Tech	nnical parameters							
odel 6: ACHI			ACHP-H14/4R3HA-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 hear	ter:	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	ηs	159	%				
Declared capacity for heating for part loa 20 °C and outdoor temperature Tj	ad at indoo	r tempera	ture	Declared coeffient of performance or primar indoor temperature 20°C and outdoor tempe		atio for p	art load				
Tj = -7°C	Pdh	7.96	kW	$Tj = -7^{\circ}C$	COPd	3.44	-				
$Tj = +2^{\circ}C$	Pdh	5.05	kW	$Tj = +2^{\circ}C$	COPd	4.92	-				
$Tj = +7^{\circ}C$	Pdh	3.15	kW	$Tj = +7^{\circ}C$	COPd	6.11	-				
$Tj = +12^{\circ}C$	Pdh	3.57	kW	$Tj = +12^{\circ}C$	COPd	7.82	-				
Tj = bivalent temperature	Pdh	10.31	kW	Tj = bivalent temperature	COPd	2.53	-				
Tj = 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	than activ	e mode		Supplemantary 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	у					
Crankcase heater mode		0.020	kW	1							
Other items	Рск	0.000		1	1						
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h				
Sound power level	LWA	-	dB	For wate r-/b ri ne-to-wate r heat pumps:Rated brine or water flow rate,	-	-	m <sup>3</sup> /h				
Annual energy consumption	Qhe	7685	kWh	outdoor heat exchanger							
For heat pump combination heater	<b></b>		1	1	1	1	1				
Declaed load profile		-		Water heating energy efficiency	Qwh	-	%				
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										

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

			Techr	nical parameters						
Model(s):				k3HA-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 heat	er:	no								
Heat pump combination heater:		no								
Declared climate condition		Colder Mediur								
Declared temperature application					1		<u> </u>			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output(*)	Prated	11.0	kW	Seasonal space heating energy efficiency	ηs	118	%			
Declared capacity for heating for part load and outdoor temperature Tj	l at indoor 1	temperatu	ire 20 °C	Declared coeffient of performance or prim at indoor temperature 20°C and outdoor te			r part lo			
Tj = -7°C	Pdh	6.89	kW	$Tj = -7^{\circ}C$	COPd	2.66	-			
$Tj = +2^{\circ}C$	Pdh	4.32		$Tj = +2^{\circ}C$	COPd	3.66	-			
$Tj = +7^{\circ}C$	Pdh	3.06		$Tj = +7^{\circ}C$	COPd	4.72	-			
$T_i = +12^{\circ}C$	Pdh	3.33	kW	$T_i = +12^{\circ}C$	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 t	han active	e mode		Supplemantary heater						
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	6.80	kW			
Thermostat-off mode	Рто	0.030	kW	• `,		•	-			
Standby mode	Рѕв	0.020	kW	Type of energy input	Electricity					
Crankcase heater mode	Рск	0.000	kW							
Other items		•								
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/ł			
Sound power leveL	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	_	m³/h			
Annual energy consumption	Qhe	8937	kWh	outdoor heat exchanger						
For heat pump combination heater	<b></b>	-		1	•	1	•			
Declaed load profile		-		Water heating energy efficiency	Qwh	-	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh			
Contact details	AUX Co		1	Road, Jiangshan Yinzhou District, Ningbo,		hejiang,				

(\*) 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