3.5. 1.1/.)		L CLID		echnical parameters	CHD III	(5D2114) (E			
Model(s):		ACHP-H16/4R3HA-ME ACHP-H16/4R3HA-M(NE) ACHP-H16/5R3HA-ME								
Air-to-water heat ump:		yes								
* *		no								
* *		no								
1 1		no								
Equipped with a supplementary l Heat pump combination heater:	neater:	no no								
Declared climate condition		Warmer	•							
Declared temperature application	1	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	t load at in	door temp	perature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor tempera		io for par	t load a			
Tj = -7°C	Pdh	-	kW	$Tj = -7^{\circ}C$	COPd	-	-			
Tj = +2°C	Pdh	12.97	kW	Tj = +2°C	COPd	3.35	-			
Tj = +7°C	Pdh	8.41	kW	$Tj = +7^{\circ}C$	COPd	5.31	_			
$\Gamma j = +12^{\circ}C$	Pdh	3.87	kW	Tj = +12°C	COPd	8.11	_			
Γj = bivalent temperature	Pdh	8.41	kW	Tj = bivalent temperature	COPd	5.31	_			
Γj = 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	Supplemantary heater						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.13	kW			
Thermostat-off mode	Dmo	0.030	kW			II.	l			
Standby mode	PTO PSB	0.020	kW							
*		1		Type of energy input						
Crankcase heater mode	P CK	0.000	kW							
Other items	1			<u></u>		1	1			
Capacity control	7	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m ³ /l			
Sound power leveL	Lwa	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	-	m ³ /l			
Annual energy consumption	QHE	2812	kWh	exchanger						
For heat pump combination heat	er									
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%			
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWl			
	AUX Co		No mila 1	Road, Jiangshan Yinzhou District, Ningbo, 315	191 Zheiis	ang Chin	ล			

			Те	chnical parameters						
Model(s):			ACHP-H16/4R3HA-ME ACHP-H16/4R3HA-M (NE) ACHP-H16/5R3HA-ME							
Air-to-water heat ump:		yes								
		no								
		no								
. ^ ^		no								
Equipped with a supplementary h	eater:	no								
Heat pump combination heater:		no								
Declared climate condition		Warmer								
Declared temperature application	Mediun	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 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 outdoor 20°C and outdoor 20°C and 00°C		tio for pa	rt load a			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-			
$Tj = +2^{\circ}C$	Pdh	13.97	kW	$Tj = +2^{\circ}C$	COPd	2.48	-			
$Tj = +7^{\circ}C$	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 oth	er than act	tive mod	e	Supplemantary heater	JI.	l.				
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.13	kW			
Thermostat-off mode	Рто	0.030	kW							
Standby mode	PSB	0.020	kW	Type of energy input	I	Electricity	ı,			
Crankcase heater mode	Рск	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	_	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						
For heat pump combination heate			•		•					
Declaed load profile		-		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:	1	ang, 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	echnical parameters					
Model (s):	ACHP-H16/4R3HA-ME ACHP-H16/4R3HA-M(NE) ACHP-H16/5R3HA-ME								
Air-to-water heat ump:		ves							
Water-to-water heat pump:		no							
Brine-to-water heat pump:		no							
Low-temperature heat pump:		no							
Equipped with a supplementary h	eater:	no							
Heat pump combination heater:		no							
Declared climate condition		Average	•						
Declared temperature application	1	Low	1		_				
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 tempe 20°C and outdoor temperature Tj			erature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor 20°C and outdoor 20°C and 00°C and 00		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°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	T _j = operation limit temperature	COPd	2.67	_		
For air-to-water heat pumps: $Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	COPd	-	1		
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 oth	er than ac	tive mod	.e	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	1	Electricity	y		
Crankcase heater mode	PCK	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 /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	Qне	6786	kWh	exchanger			III /II		
For heat pump combination heate	er								
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%		
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh		
Contact details	AUX Co 1166 Mii		North l	Road, Jiangshan Yinzhou District, Ningbo, 315	5191 Zheji	ang, Chir	 1a		

^(*) 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-H16/4R			3HA-ME ACHP-H16/4R3HA-M(NE)	ACHP-H16	5/5R3HA-	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	Mediun	1		1			
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 par 20°C and outdoor temperature Tj	t load at in	door temp	perature	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	-	
$Tj = +2^{\circ}C$	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	-	
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 of	ner than a	ctive mo	de	Supplementary heater				
Off mode		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	Electricity			
Crankcase heater mode	PCK	0.000	kW			·		
Other items			1					
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				
For heat pump combination heat	er							
Declaed load profile	1	=		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

			Te	chnical parameters			
Model(s):		ACHP-I		*	CHP-H1	6/5R3H <i>A</i>	A-ME
Air-to-water heat ump:		yes					
		no					
Brine-to-water heat pump:		no					
Low-temperature heat pump:		no					
Equipped with a supplementary l	heater:	no					
Heat pump combination heater:		no					
Declared climate condition		Colder					
Declared temperature application	1	Low	ı			T	,
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 a
Tj = -7°C	Pdh	8.31	kW	Tj = -7°C	COPd	3.37	-
Tj = +2°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	СОРсус	-	-
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	4.82	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				
Other items			<u>I</u>				
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	Оне	8438	kWh	exchanger			
For heat pump combination heat						1	
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 I	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):		ACHP-		•	CHP-H1	6/5R3HA	-ME						
		ves											
		no											
Brine-to-water heat pump:		no											
Low-temperature heat pump:		no											
Equipped with a supplementary l	heater:	no											
Heat pump combination heater:		no											
Declared climate condition		Colder											
Declared temperature application	1	Mediun	1			1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit						
Rated heat output(*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	121	%						
				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	-						
$\Gamma j = +2^{\circ}C$	Pdh	4.42	kW	$Tj = +2^{\circ}C$	COPd	3.79	-						
$\Gamma j = +7^{\circ}C$	Pdh	2.97		$T_j = +7^{\circ}C$	COPd	4.81	_						
$T_{j} = +12^{\circ}C$	Pdh	3.43	-	$Tj = +12^{\circ}C$	COPd	6.29	_						
$\Gamma_j = \text{bivalent temperature}$	Pdh	9.61	kW	Tj = bivalent temperature	COPd	1.86							
Γ j = operation limit temperature For air-to-water heat pumps: T j =	Pdh Pdh	5.21	kW kW	Tj = operation limit temperature For air-to-water heat pumps: Tj = -15°C	COPd COPd	1.23	-						
-15°C (ifTOL<-20°C) Bivalent temperature	Tbiv	-15	°C	(ifTOL<-20°C) For air-to-water heat pumps: Operation limit	TOL	-22	°C						
Cycling interval capacity for heating	Peych	-	kW	temperature Cycling interval efficiency	СОРсус	_	-						
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		Rated heat output (*)	Psup	6.59	kW						
Thermostat-off mode	PTO	0.020	kW	Rated fleat output ()	1 sup	0.59	K VV						
				Turns of anargy input	,	□1oo+m! -:+							
Standby mode	P SB	0.020	kW	Type of energy input]	Electricit	у						
Crankcase heater mode	PCK	0.000	kW										
Other items													
Capacity control	,	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	Ī	4000	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	9362	kWh	exchanger									
For heat pump combination heat						1							
Declaed load profile		-		Water heating energy efficiency	Owh	_	%						
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh						
Contact details	AUX Co.		I	, .		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