			Tec	hnical parameters							
Model(s):	ACHP-H14/4R			R3HA-M(NE)							
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	eater:	no									
Heat pump combination heater:		no									
Declared climate condition		Warme	r								
Declared temperature application		Low	1	1	ı						
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 load at indoor 20°C and outdoor temperature Tj			rature	Declared coefficient of performance or primar indoor temperature 20°C and outdoor 20°C and 00°C and		atio for p	art load				
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-				
$Tj = +2^{\circ}C$	Pdh	12.00	kW	1j -7 C	COPd	3.44	_				
$Tj = +7^{\circ}C$	Pdh	7.78	kW		COPd	5.84	_				
$T_{j} = +12^{\circ}C$	Pdh	3.75	kW	"	COPd	8.25					
	+	-	+	+ -			-				
Tj = bivalent temperature	Pdh	7.78	kW	J	COPd	5.84	-				
$\Gamma$ j = 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: $T_j = -15$ °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				
. , ,	41 4				l	l .					
Power consumption in modes other Off mode		0.020	kW	Supplementary heater Rated heat output (*)	Davis	0.10	kW				
On mode	Orr		+	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	y				
Crankcase heater mode	P CK	0.000	kW								
Other items											
Capacity control	,	ariable		For air-to-water heat pumps: Rated airflow 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			m /II				
For heat pump combination heater											
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh				
Contact details	AUX Co 1166 Mir		1	Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zh	ejiang, C					

<sup>(\*)</sup> 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

	:			Technical parameters						
Model(s):		ACHP-	H14/4]	R3HA-M(NE)						
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 supplementar	y heater:	no								
Heat pump combination heater	r:	no								
Declared climate condition		Warmer								
Declared temperature applicat	ion	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 p temperature 20°C and outdoor ten				Declared coefficent of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj						
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-			
Tj = +2°C	Pdh	14.0	kW	Tj= +2°C	COPd	2.42	-			
Tj = +7°C	Pdh	9.06	kW	Tj=+7°C	COPd	3.53	-			
Tj = +12°C	Pdh	4.03	kW	Tj=+12°C	COPd	6.16				
Tj = bivalent temperature	Pdh	9.06	kW	Tj = bivalent temperature	COPd	3.53	-			
Tj = operation limit temperature	Pdh	14.00	kW	Tj = operation limit temperature	COPd	2.42	-			
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 than	active r	node	Supplementary heater						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.10	kW			
Thermostat-off mode	Рто	0.030	kW							
Standby mode	PSB	0.030	kW	Type of energy input	Electricity	7				
· ·			-	1 ypc of energy input	'	_iccurrenty	′			
Crankcase heater mode	P CK	0.000	kW							
Other items	4			150	4	<u> </u>				
Capacity control	V	ariable		For air-to-water heat pumps: Rated airflow 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 exchanger	-	-	m <sup>3</sup> /h			
Annual energy consumption	QHE	4235	kWh	orme of water now rate, outdoor near exchanger						
For heat pump combination he			*/							
Declaed load profile		-		Water heating energy efficiency	Hwh	- 1	%			
Daily electricity consumption	Oelec	_	kWh	Daily fuel consumption	Qfuel	_	kWł			
Contact details	AUX Co.			Road, Jiangshan Yinzhou District, Ningbo, 31519			ATTI			

<sup>(\*)</sup> 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	nnical parameters								
Model(s):	Model(s):			ACHP-H14/4R3HA-M (NE)								
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	ter:	no										
Heat pump combination heater:		no										
Declared climate condition		Average										
Declared temperature application	Low				Т	1	Т					
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 load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature Tj								
Tj = -7°C	Pdh	12.83	kW	Tj = -7°C	COPd	3.00	-					
Tj = +2°C	Pdh	7.81	kW	Tj = +2°C	COPd	4.74	-					
$Tj = +7^{\circ}C$	Pdh	5.02	kW	$Tj = +7^{\circ}C$	COPd	5.82	-					
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	11.46	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	СОРсус	-	-					
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	3.4	kW					
Thermostat-off mode	P TQ	0.030	kW									
Standby mode	PSB	0.020	kW	Type of energy input	I	Electricit	y					
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 <sup>3</sup> /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					
Contact details	AUX Co. 1166 Mir	, Ltd	1	Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zho	ejiang, C						

<sup>(\*)</sup> 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

			Techr	nical parameters							
Model(s):			ACHP-H14/4R3HA-M(NE)								
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 heate	er:	no									
Heat pump combination heater:		no	no								
Declared climate condition		Average Mediun	Average								
Declared temperature application			n	T	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 part load and outdoor temperature Tj	at indoor t	temperatu	ire 20°C	Declared coeffient of performance or prim at indoor temperature 20°C and outdoor te			part loa				
Tj = -7°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	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	COPcyc	-	-				
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other the	han active	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	у				
Crankcase heater mode	РСК	0.000	kW								
Other items											
Capacity control	V	ariable		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	Qне	8251	kWh	outdoor heat exchanger							
For heat pump combination heater											
Declaed load profile		-		Water heating energy efficiency	Qwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh				
	AUX Co.		North 1	Road, Jiangshan Yinzhou District, Ningbo,	315191 7	heijana (	China				

Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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

			Tecl	nnical parameters								
Model 6:			ACHP-H14/4R3HA-M(NE)									
Air-to-water heat ump:		yes										
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												
Declared temperature application	Declared temperature application Low											
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 indoor	r tempera	ture	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj								
Tj = -7°C	Pdh	7.96	kW	Tj = -7°C	COPd	3.44	-					
Tj = +2°C	Pdh	5.05	kW	$Tj = +2^{\circ}C$	COPd	4.92	-					
Tj = +7°C	Pdh	3.15	kW	$Tj = +7^{\circ}C$	COPd	6.11	-					
Tj = +12°C	Pdh	3.57	kW	Tj = +12°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	СОРсус	-	-					
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	Table Man cuspus ( )	1549	<b>P.00</b>	1 11 11					
Standby mode	PSB	0.020	kW	Type of energy input	] ]	Electricit	y					
Crankcase heater mode	РСК	0.000	kW	1								
Other items					I.							
Capacity control	V	ariable		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,	-	-	m³/h					
Annual energy consumption	QHE	7685	kWh	outdoor heat exchanger								
For heat pump combination heater	. `		'			•						
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, 3		ejiang, C						

<sup>(\*)</sup> 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

			Techr	nical parameters							
Model(s):			ACHP-H14/4R3HA-M(NE)								
Air-to-water heat ump:			yes								
Water-to-water heat pump:		no									
Brine-to-water heat pump:		no									
		no									
Equipped with a supplementary heater	er:	no									
Heat pump combination heater:  Declared climate condition		no C-11									
Declared temperature application			Colder Medium								
					Ī						
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	at indoor t	emperatu	ire 20°C	Declared coeffient of performance or prim at indoor temperature 20°C and outdoor te			r part loa				
Tj = -7°C	Pdh	6.89	kW	Tj = -7°C	COPd	2.66	-				
Tj = +2°C	Pdh	4.32	kW	Tj = +2°C	COPd	3.66	-				
Tj = +7°C	Pdh	3.06	kW	$Tj = +7^{\circ}C$	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 the	han active	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	PsB	0.020	kW	Type of energy input	]	Electricit	y				
Crankcase heater mode	РСК	0.000	kW	1							
Other items											
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow 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,	_	_	m <sup>3</sup> /h				
Annual energy consumption	Оне	8937	kWh	outdoor heat exchanger			111/11				
For heat pump combination heater	Am	1 3731	Jan 77 44	1	1	1	1				
Declaed load profile		-		Water heating energy efficiency	Qwh	_	%				
-	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWh				
	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China										

<sup>(\*)</sup> 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