			Tech	nnical parameters								
Model(s):			H06/4I	R3HA-M (NE)								
Air-to-water heat ump:												
Water-to-water heat pump:		no	ao									
Brine-to-water heat pump:												
Low-temperature heat pump:												
Equipped with a supplementary he	ater:	no										
Heat pump combination heater:		no										
Declared climate condition		Warme	r									
Declared temperature application	eclared temperature application			1	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	6.1	kW	Seasonal space heating energy efficiency	ηs	256	%					
Declared capacity for heating for part le 20°C and outdoor temperature Tj	oad at indo	or temper	ature	Seasonal space heating energy efficiency Declared coefficient of performance or primary energy ratio for part at indoor temperature 20°C and outdoor temperature Tj Tj = -7°C Tj = +2°C COPd Tj = +12°C COPd Tj = +12°C COPd Tj = +12°C COPd Tj = bivalent temperature COPd Tj = operation limit temperature To COPd To air-to-water heat pumps: Tj = -15°C (if COPd To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Cycling interval efficiency COPcyc To air-to-water heat pumps: Operation imit temperature Copcyc To air-to-water heat pumps: Operation imit te								
Tj = -7°C	Pdh	-	kW	Ti = -7°C	COPd	-	-					
$Tj = +2^{\circ}C$	Pdh	5.85	kW	•	COPd	3.91	_					
$T_i = +7^{\circ}C$	Pdh	3.92										
$T_j = +12^{\circ}C$	Pdh	1.74	 			-						
$T_j = \text{bivalent temperature}$	Pdh	3.92	kW		-	-						
-												
Tj = operation limit temperature For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh Pdh	5.85	kW kW	For air-to-water heat pumps: $Tj = -15$ °C (if		-	-					
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation	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	r than acti	ve mode		Supplementary heater								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psun	0.3	kW					
Thermostat-off mode	Рто	0.030	kW	reason near output ()	1545	10.5	AC VI					
Standby mode	PsB	0.020	kW	Type of energy input	1	Electricity	7					
Crankcase heater mode	PcK	0.020	kW									
Other items		1		1	1							
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	2800	m ³ /h					
Sound power level	LWA	-	dB	For water-/bri ne-to-water heat			m ³ /h					
Annual energy consumption	QHE	1258	kWh	outdoor heat exchanger	_	-	ш/п					
For heat pump combination heater				•	•							
Declaed load profile		-		Water heating energy efficiency	Owh	-	%					
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh					
Contact details	AUX Co. 1166 Mir			Road, Jiangshan Yinzhou District, Ningbo,	315191 Z	Thejiang, (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

			Tec	hnical parameters							
Model(s):			ACHP-H06/4R3HA-M (NE)								
Air-to-water heat ump:			yes								
Water-to-water heat pump:		no									
Brine-to-water heat pump:											
Low-temperature heat pump:											
Equipped with a supplementary heater:											
Heat pump combination heater:		no									
		Warme									
Declared temperature application	lication Medium			4							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	ηs	162	%				
Declared capacity for heating for part load at indoor 20 °C and outdoor temperature <i>T</i>]			ature	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temperature 20°C.		atio for pa	ırt load				
Γj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	_ [-				
Γį = +2°C	Pdh	7.85	kW	Tj = +2°C	COPd	2.43	-				
$\Gamma j = +7^{\circ}C$	Pdh	5.21	kW	$Tj = +7^{\circ}C$	COPd	3.73	-				
Γj = +12°C	Pdh	2.31	kW	Tj = +12°C	COPd	6.03	-				
Γj = bivalent temperature	Pdh	5.21	kW	Tj = bivalent temperature	COPd	3.73	-				
$\Gamma_i = \text{operation limit temperature}$	Pdh	7.85	kW	Tj = operation limit temperature	COPd	2.43	_				
For air-to-water heat pumps: $\Gamma_j = -15^{\circ}C(ifTOL < -20^{\circ}C)$	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 othe	r than activ	e mode		Supplemantary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.25	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input]	Electricity					
Crankcase heater mode	PcK	0.000	kW								
Other items	de d			Ē!	9						
Capacity control	V	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m ³ /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	2418	kWh	exchanger							
For heat pump combination heater	-										
Declaed load profile		-		Water heating energy efficiency	Owh	_	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWł				
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(Tj).

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

			Te	chnical parameters								
odel(s): ACHP-H06/4R			*									
Air-to-water heat ump:		yes										
Water-to-water heat pump:			no									
Brine-to-water heat pump:												
Low-temperature heat pump:	no											
Equipped with a supplementary he	no											
Heat pump combination heater:	no											
Declared climate condition		Average	;									
eclared temperature application Low				T.	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	6.8	kW	Seasonal space heating energy efficiency	ηѕ	196	%					
Declared capacity for heating for part le 20°C and outdoor temperature Tj	oad at indo	or tempera	ature	Declared coeffient of performance or primary indoor temperature 20°C and outdoor temperature		tio for par	t load at					
Tj = -7°C	Pdh	6.02	kW	Tj = -7°C	COPd	2.85	-					
Tj = +2°C	Pdh	3.66	kW	$Tj = +2^{\circ}C$	COPd	4.98	-					
Tj = +7°C	Pdh	2.35	kW	$Tj = +7^{\circ}C$	COPd	6.38	-					
Tj = +12°C	Pdh	1.05	kW	Tj = +12°C	COPd	9.67	-					
Tj = bivalent temperature	Pdh	6.02	kW	Tj = bivalent temperature	COPd	2.85	-					
Tj = operation limit temperature	Pdh	5.42	kW	Tj = operation limit temperature	COPd	2.90	-					
For air-to-water heat pumps: Tj = -15°C (ifTOL v.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	r than acti	ve mode	•	Supplementary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.38	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					•							
Capacity control	1	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m ³ /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	2818	kWh	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	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 315								

^(*) 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-	H06/41	R3HA-M(NE)							
Air-to-water heat ump:		yes	es								
Water-to-water heat pump: no			<u> </u>								
Brine-to-water heat pump: no											
Low-temperature heat pump: no											
Equipped with a supplementary heater: no											
		no									
Declared climate condition		Average									
Declared temperature application Medium			1	1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	6.3	kW	Seasonal space heating energy efficiency	ηs	136	%				
Declared capacity for heating for part to 20°C and outdoor temperature Tj	oad at indo	or temper	ature	Seasonal space heating energy efficiency Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj Tj = -7°C COPd 2.20 Tj = +2°C COPd 3.42 Tj = +12°C COPd 4.30 Tj = +12°C COPd 6.89 Tj = bivalent temperature COPd 2.20 Tj = operation limit temperature COPd 1.85 To air-to-water heat pumps: Tj = 15°C(ifTOL<-20°C) For air-to-water heat pumps: Operation limit emperature COPcyc Heating water operating limit temperature Rated heat output (*) Psup 2.27 kW							
Tj = -7°C	Pdh	5.57	kW	Tj = -7°C	COPd	2.20	-				
Tj = +2°C	Pdh	3.39	kW	Tj = +2°C	COPd	3.42	-				
Tj = +7°C	Pdh	2.18	kW	$Tj = +7^{\circ}C$	COPd	4.30	-				
Tj = +12°C	Pdh	0.97	kW	Tj = +12°C	COPd	6.89	-				
Tj = bivalent temperature	Pdh	5.58	kW	Tj = bivalent temperature	COPd	2.20	-				
Tj = operation limit temperature	Pdh	4.03	kW	Tj = operation limit temperature	COPd	1.85	-				
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	^cycti	-	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 acti	ve mode		Supplementary heater							
Off mode	POFF	0.020	kW	·	Psup	2.27	kW				
Thermostat-off mode		0.030	kW								
Standby mode	∫sB	0.020	kW	Type of energy input	E	Electricity	,				
Crankcase heater mode	P%	0.000	kW	1							
Other items					•						
Capacity control	,	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m ³ /h				
Sound power level	LWA	58	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m ³ /h				
Annual energy consumption	Оне	3733	kWh	exchanger			,				
For heat pump combination heater			•	1							
Declaed load profile		-		Water heating energy efficiency	Hwh	-	%				
Daily electricity consumption	Qelec	T -	kWh	Daily fuel consumption	Qfuel	_	kWh				
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 315	1 7						

^(*) 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-		R3HA-M(NE)							
Air-to-water heat ump: yes											
Water-to-water heat pump: no											
Brine-to-water heat pump:											
Low-temperature heat pump: no											
Equipped with a supplementary heater: no											
Heat pump combination heater:											
Declared climate condition											
Declared temperature application Low											
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	5.6	kW	Seasonal space heating energy efficiency	ηѕ	164	%				
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 temperature		io for part	load at				
Tj = -7°C	Pdh	3.42	kW	Tj = -7°C	COPd	3.59	-				
Tj = +2°C	Pdh	2.06	kW	Tj = +2°C	COPd	5.21	-				
Tj = +7°C	Pdh	1.46	kW	Tj = +7°C	COPd	6.24	-				
Tj = +12°C	Pdh	1.44	kW	Tj = +12°C	COPd	7.66	-				
Tj = bivalent temperature	Pdh	4.59	kW	Tj = bivalent temperature	COPd	2.53	-				
Tj = operation limit temperature	Pdh	3.48	kW	Tj = operation limit temperature	COPd	1.96	-				
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 acti	ve mode	;	Supplementary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	2.12	kW				
Thermostat-off mode	Рто	0.030	kW	Table 1. Carper ()	1544						
Standby mode	PSB	0.020	kW	Type of energy input]	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	-	2800	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	3314	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 Min		North	Road, Jiangshan Yinzhou District, Ningbo, 315	191 Zhejia	ang, China	ı				

^(*) 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

			Те	chnical parameters								
Model(s):		ACHP-		R3HA-M(NE)								
Air-to-water heat ump:		yes	yes									
Water-to-water heat pump:			10									
Brine-to-water heat pump:		no										
Low-temperature heat pump: no												
Equipped with a supplementary hea	ater:	no										
Heat pump combination heater:		no										
Declared climate condition		Colder										
Declared temperature application Medium			1									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	4.3	kW	Seasonal space heating energy efficiency	ηs	111	%					
Declared capacity for heating for part to 20°C and outdoor temperature Tj	oad at indo	or temper	ature	Seasonal space heating energy efficiency Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj Tj = -7°C COPd 2.46 Tj = +2°C COPd 3.36 - Tj = +7°C COPd 3.94 - Tj = +12°C COPd 6.35 - Tj = bivalent temperature COPd 1.86 - Tj = operation limit temperature For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C) For air-to-water heat pumps: Operation limit TOL 222 °C								
Tj = -7°C	Pdh	2.69	kW	Tj = -7°C	COPd	2.46	-					
$Tj = +2^{\circ}C$	Pdh	1.60	kW	Tj = +2°C	COPd	3.36	-					
$Tj = +7^{\circ}C$	Pdh	1.02	kW	$Tj = +7^{\circ}C$	COPd	3.94	-					
Tj = +12°C	Pdh	1.37	kW	Tj = +12°C	COPd	6.35	-					
Tj = bivalent temperature	Pdh	3.47	kW	Tj = bivalent temperature	COPd	1.86	-					
Tj = operation limit temperature	Pdh	2.09	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	^cycti	-	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 acti	ve mode		Supplemantary heater								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	2.2	kW					
Thermostat-off mode		0.030	kW		T T							
Standby mode	Гѕв	0.020	kW	Type of energy input	1	Electricit	y					
Crankcase heater mode	P%	0.000	kW	<u></u>								
Other items												
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m ³ /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	3760	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			Road, Jiangshan Yinzhou District, Ningbo, 315	1 -	1						

^(*) 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