			Tecl	nnical parameters								
Model (s):				R3HA-ME ACHP-H08/4R3HA-M (NE)								
Air-to-water heat ump:				yes								
Water-to-water heat pump:			no									
Brine-to-water heat pump:			00									
Low-temperature heat pump:			10									
Equipped with a supplementary heat	er:	no	10									
Heat pump combination heater:		no										
Declared climate condition		Warme	r									
Declared temperature application	1	Low	I		1							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	ηs	173	%					
Declared capacity for heating for part load and outdoor temperature Tj	d at indoor	temperatu	ıre 20°C	Declared coeffient of performance or primary indoor temperature 20°C and outdoor temper		atio for pa	art load					
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	_	-					
Tj = +2°C	Pdh	8.10	kW	Tj = +2°C	COPd	2.62	-					
Tj = +7°C	Pdh	5.21	kW	$Tj = +7^{\circ}C$	COPd	3.78	_					
Tj = +12°C	Pdh	2.31	kW	$T_i = +12$ °C	COPd	5.55	_					
Tj = bivalent temperature	Pdh	5.21	kW	Tj = bivalent temperature	COPd	3.78	_					
$T_j = $ operation limit temperature	Pdh		kW	Tj = operation limit temperature	COPd	2.62	_					
For air-to-water heat pumps:				For air-to-water heat pumps:		2.02						
$Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	Pdh	-	kW	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 other t	han active	e mode		Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.3	kW					
Thermostat-off mode	Рто	0.030	kW									
Standby mode		0.020	kW	Type of energy input		y						
•	PSB											
Crankcase heater mode	Рск	0.000	kW									
Other items Capacity control		/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	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	2460	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., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China											

			Techi	nical parameters							
Model(s):				R3HA-ME ACHP-H08/4R3HA-M (NE)							
Air-to-water heat ump:			ves								
		no									
Brine-to-water heat pump:		no									
Low-temperature heat pump:		no									
Equipped with a supplementary heate	r:	no									
Heat pump combination heater:		no									
Declared climate condition			Warmer								
Declared temperature application		Mediun	n		1	ı					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	7.6	kW	Seasonal space heating energy efficiency	ηs	173	%				
Declared capacity for heating for part load and outdoor temperature Tj	at indoor t	emperatu	re 20°C	Declared coefficient of performance or primary indoor temperature 20°C and outdoor 20°C and 00°C and 00°		atio for pa	rt load :				
Tj = -7°C	Pdh	-	kW	$Ti = -7^{\circ}C$	COPd	-	-				
Tj = +2°C	Pdh	7.30	†		COPd	2.59	_				
$Tj = +7^{\circ}C$	Pdh	4.89	kW	Tj = +7°C	COPd	3.90	-				
Tj = +12°C	Pdh	2.17	kW	Tj = +12°C	COPd	5.55	-				
Tj = bivalent temperature	Pdh	4.89	kW	Tj = bivalent temperature	COPd	3.92	_				
Tj = operation limit temperature	Pdh	7.30	kW	Tj = operation limit temperature	COPd	2.59	_				
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	-		WTOL	60	°C				
Power consumption in modes other th	nan active	mode		Supplemantary heater							
Off mode	P off	0.020	kW	Rated heat output (*)	Psup	0.0	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											
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	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	Оне	2304	kWh	exchanger		-					
For heat pump combination heater	, <u> </u>			1	1	<u> </u>					
Declaed load profile		_		Water heating energy efficiency	Qwh	-	%				
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfbel	_	kWh				
Contact details	AUX Co	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 3	-						

^(*) 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

		,	Techni	cal parameters								
Model(s):			ACHP-H08/4R3HA-ME ACHP-H08/4R3HA-M (NE)									
Air-to-water heat ump:					/							
Water-to-water heat pump:												
Brine-to-water heat pump:												
Low-temperature heat pump:												
Equipped with a supplementary heater	<u> </u>	no										
Heat pump combination heater:		no										
Declared climate condition			Average									
Declared temperature application		Low	ow									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	ηs	205	%					
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor te	mperatur	e 20°C	Declared coefficient of performance or prin load at indoor temperature 20°C and outdoor			_					
Tj = -7°C	Pdh	7.18	kW	Tj = -7°C	COPd	3.30	-					
Tj = +2°C	Pdh	4.36	kW	$Tj = +2^{\circ}C$	COPd	5.09						
$Tj = +7^{\circ}C$	Pdh	2.80	kW	$Tj = +7^{\circ}C$	COPd	6.82	ı					
$Tj = +12^{\circ}C$	Pdh	1.25	kW	Tj = +12°C	COPd	8.35	ı					
Tj = bivalent temperature	Pdh	7.18	kW	Tj = bivalent temperature	COPd	3.30	-					
Tj = operation limit temperature	Pdh	6.44	kW	Tj = operation limit temperature	COPd	3.04	1					
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 that	n active r	node		Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.66	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									
Other items			•									
Capacity control	7	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	- 4000 m ³ /							
Sound power level	LWA	-	dB	For wate r-/bri n e-to-water heat								
Annual energy consumption	Qне	3216	kWh	pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h					
For heat pump combination heater	•		I			1						
Declaed load profile		-		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

			Tec	hnical parameters							
Model(s):		ACHP-1		R3HA-ME ACHP-H08/4R3HA-M (NE)							
			yes								
Vater-to-water heat pump: no											
			no								
Low-temperature heat pump:											
Equipped with a supplementary her	ater:	no									
Heat pump combination heater:											
Declared climate condition			e								
Declared temperature application	•	Mediun	1								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	132	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				$Tj = +2^{\circ}C$ COPd 3.30 -							
Tj = -7°C	Pdh	5.84	kW	Tj = -7°C	COPd	2.30	-				
$Tj = +2^{\circ}C$	Pdh	3.55	kW	Tj = +2°C	COPd	3.30	-				
$Tj = +7^{\circ}C$	Pdh	2.28	kW	$Tj = +7^{\circ}C$	COPd	4.28					
Tj = +12°C	Pdh	1.02	kW	Tj = +12°C	COPd	5.33	-				
Tj = bivalent temperature	Pdh	5.84	kW	Tj = bivalent temperature	COPd	2.16	-				
Tj = operation limit temperature	Pdh	4.90	kW	Tj = operation limit temperature	COPd	1.84	_				
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 acti	ve mode		Supplemantary heater							
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	1.7	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	P SB	0.020	kW	Type of energy input]	Electricity	y				
Crankcase heater mode	PcK	0.000	kW								
Other items											
Capacity control	\	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m ³ /h				
Sound power level	Lwa	59	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat	-	_	m ³ /h				
Annual energy consumption	QHE	4015	kWh	exchanger							
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		North	Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zhe	ejiang, Cl	nina				

^(*) 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-		R3HA-ME ACHP-H08/4R3HA-M (NE)								
Air-to-water heat ump:	yes			111111111111111111111111111111111111111								
Water-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		Low										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	7.0	kW	Seasonal space heating energy efficiency	ηs	168	%					
Declared capacity for heating for part l 20°C and outdoor temperature Tj	oad at indo	or temper	ature									
Tj = -7°C	Pdh	4.46	kW	Tj = -7°C	COPd	3.66	-					
$Tj = +2^{\circ}C$	Pdh	2.69	kW	Tj = +2°C	COPd	5.20	-					
$Tj = +7^{\circ}C$	Pdh	1.65	kW	Tj = +7°C	COPd	6.53	-					
$Tj = +12^{\circ}C$	Pdh	1.65	kW	Tj = +12°C	COPd	7.96	-					
Tj = bivalent temperature	Pdh	5.69	kW	Tj = bivalent temperature	COPd	2.83	-					
Tj = operation limit temperature	Pdh	4.06	kW	Tj = operation limit temperature	COPd	1.95	-					
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	r than acti	ve mode	:	Supplemantary heater								
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	2.94	kW					
Thermostat-off mode	Рто	0.030	kW			<u> </u>						
Standby mode		0.020	kW	Type of energy input]	Electricity						
Crankcase heater mode	P SB PcK	0.020	kW	1								
Other items	Tok	0.000										
Capacity control	\ \ \ \ \ \	/ariable		For air-to-water heat pumps: Rated air flow	_	4000	m ³ /h					
Sound power level	LWA	_	dB	rate, outdoors For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat			m ³ /h					
Annual energy consumption	Our	4036	kWh	exchanger	_	-	111 /11					
Annual energy consumption For heat pump combination heater		L ₁₀₂₀	hz 44 11	<u> </u>	l]						
Declaed load profile				Water heating energy efficiency	Owh	I _ I	%					
Daily electricity consumption	Qelec	 	kWh	Daily fuel consumption	Qfuel	_	kWh					
Contact details	AUX Co.	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 3	<u> </u>	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

			Tec	hnical parameters							
Model(s):		ACHP-		R3HA-ME ACHP-H08/4R3HA-M (NE)							
ir-to-water heat ump:											
vater-to-water heat pump: no											
Brine-to-water heat pump:											
Low-temperature heat pump: no											
Equipped with a supplementary heater:											
Heat pump combination heater:											
Declared climate condition											
Declared temperature application	•	Mediun	n								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	5.8	kW	Seasonal space heating energy efficiency	ηs	111	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or primar indoor temperature 20°C and outdoor temperature		atio for p	art load a				
Tj = -7°C	Pdh	3.86	kW	Tj = -7°C	COPd	2.48	-				
$Tj = +2^{\circ}C$	Pdh	2.21	kW	$Tj = +2^{\circ}C$	COPd	3.35	-				
$Tj = +7^{\circ}C$	Pdh	1.44	kW	$Tj = +7^{\circ}C$	COPd	4.11	=				
Tj = +12°C	Pdh	1.47	kW	Tj = +12°C	COPd	5.92	-				
Tj = bivalent temperature	Pdh	4.71	kW	Tj = bivalent temperature	COPd	1.90	-				
Tj = operation limit temperature	Pdh	2.80	kW	Tj = operation limit temperature	COPd	1.22					
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	r than acti	ve mode	:	Supplementary heater							
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	3.0	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	P SB	0.020	kW	Type of energy input] 1	Electricity	y				
Crankcase heater mode	PcK	0.000	kW								
Other items	_		· <u> </u>								
Capacity control	7	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	4000	m ³ /h				
Sound power level	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	-	m ³ /h				
Annual energy consumption	QHE	5014	kWh	exchanger							
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		North	Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zhe	ejiang, Cl	nina				

^(*) 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