			Tec	hnical parameters				
Model(s):		Outdoor		ACHP-H04/4R3HA-O Indoor unit: ACH	P-H04/4R	3НА-І		
Air-to-water heat ump:		ves						
		no						
		no						
		no						
		no						
Heat pump combination heater:		no						
		Warmer						
Declared temperature application	n	Low						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output(*)	Prated	5.5	kW	Seasonal space heating energy efficiency	Hs	236	%	
Declared capacity for heating for part land outdoor temperature Tj	oad at indoo	or temperat	ure 20°C	Declared coefficient of performance or prin at indoor temperature 20°C and outdoor to			part load	
Tj = -7°C	Pdh	-	kW	$T_i = -7^{\circ}C$	COPd	-	-	
Tj = +2°C	Pdh	5.37	kW	$Tj = +2^{\circ}C$	COPd	3.94	-	
$Tj = +7^{\circ}C$	Pdh	3.54		$Tj = +7^{\circ}C$	COPd	5.92		
$Tj = +12^{\circ}C$	Pdh	1.57	kW	$T_i = +12$ °C	COPd	7.91	_	
Tj = bivalent temperature	Pdh	3.54	kW	Tj = bivalent temperature	COPd	5.92		
	Pdh	5.37	kW	Tj = operation limit temperature	COPd	3.94		
Tj = operation limit temperature For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	Pdh	-	kW	For air-to-water heat pumps: $Tj = -15^{\circ}C$ (if $TOL < -20^{\circ}C$ )	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 mod	de	Supplementary heater				
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.13	kW	
Thermostat-off mode	Рто	0.030	kW	Reaced Heat Output ( )	Тзар	0.13	KVV	
	110			Type of energy input	,	Electricity		
Standby mode	PsB	0.020	kW	Type of energy input	,	Electricity		
Crankcase heater mode	PCK	0.000	kW					
Other items								
Capacity control	,	Variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m <sup>3</sup> /h	
Sound power level, indoors/outdoors	LWA	_	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	-	-	m³/h	
Annual energy consumption	QHE	1229	kWh	outdoor heat exchanger				
For heat pump combination heat		<u>,</u>			1			
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							
heating Pdesignh, and the rated l sup(Tj).	and heat pheat outpu	oump con	nbination plemen	on heaters, the rated heat output Prated is entary heater Psup is equal to the supplemental degradation coefficient is Cdh = 0.9	qual to the	design loa	ad for	

Model(s):		Technical parameters Outdoor unit: ACHP-H04/4R3HA-0 Indoor unit: ACHP-H04/4R3HA-I											
Air-to-water heat ump:		yes											
Water-to-water heat pump:		no											
Brine-to-water heat pump:		no	no										
Low-temperature heat pump: no													
Equipped with a supplementary heater:													
Heat pump combination heater:													
Declared climate condition		Warme	r										
Declared temperature application		Mediun											
Item	Symbol		Unit	Item	Symbol	Value	Unit						
Rated heat output(*)	Prated	5	kW	Seasonal space heating energy efficiency	Hs	156	%						
			tem Symbol Value Unit feasonal space heating energy efficiency Hs 156 % Declared coefficient of performance or primary energy ratio for part load at andoor temperature 20°C and outdoor temperature Tj  Ti = -7°C COPd Tij = +2°C COPd 2.50 - Tij = +7°C COPd 3.68 - Tij = +12°C COPd 3.68 - Tij = bivalent temperature COPd 3.68 - Tij = bivalent temperature COPd 3.68 - Tij = operation limit temperature COPd 3.68 - Tor air-to-water heat pumps: Tor air-to-water heat pumps: Operation limit temperature COPd 2.51 - Tot air-to-water heat pumps: Operation limit temperature Tot 2 °C Eveling interval efficiency COPeyc Teating water operating limit temperature WTOL 60 °C Supplemantary heater Eated heat output (*) Psup 0.13 kW  Type of energy input Electricity  For air-to-water heat pumps: Rated airflow ate, outdoors For water-/brine-to-water heat pumps: Rated rine or water flow rate, outdoor heat m²/h Water heating energy efficiency Qnah % Daily fuel consumption Qnijel - kWh  Total Tip Amage And										
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-						
Tj = +2°C	Pdh	4.87	kW		COPd	2.50	-						
Tj = +7°C	Pdh	3.21	kW	$Tj = +7^{\circ}C$	COPd	3.68	-						
$T_{i} = +12^{\circ}C$	Pdh	1.43	kW	$T_j = +12$ °C			_						
$T_j = bivalent temperature$	Pdh	3.21	kW	-	COPd	3.68	_						
Tj = operation limit				1									
temperature	Pdh	4.87	kW	Ij = operation limit temperature	COPd	2.51	-						
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		ı								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.13	kW						
Thermostat-off mode	Рто	0.030	kW		1								
Standby mode	PSB	0.020	kW	Type of energy input	E	Electricity	ý						
Crankcase heater mode	P CK	0.000	kW										
Other items			1	1									
Capacity control	V	ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	2800	m <sup>3</sup> /h						
Sound power level, indoors/outdoors	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	Оне	1684	kWh	exchanger			/						
For heat pump combination he			•		•								
Declaed load profile		-		Water heating energy efficiency	Qwh	-	%						
	Qelec	_	kWh	Daily fuel consumption	Qfijel	-	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													

Nr. 1.1()				ical parameters	1104/4867	T						
· · · · · · · · · · · · · · · · · · ·			Outdoor unit: ACHP-H04/4R3HA-O Indoor unit: ACHP-H04/4R3HA-I									
•			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									
			Average									
Declared temperature application		Low										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	5.5	kW	Seasonal space heating energy efficiency	Hs	190	%					
Declared capacity for heating for part load at outdoor temperature $Tj$	indoor temp	erature 20	°C and	Declared coefficient of performance or primat indoor temperature 20°C and outdoor to			part lo					
Tj = -7°C	Pdh	4.87	kW	Tj = -7°C	COPd	3.23						
Tj = +2°C	Pdh	2.9	kW	Tj = +2°C	COPd	4.84						
$T_1 = +7$ °C	Pdh	1.90	kW	$T_i = +7^{\circ}C$	COPd	6.46						
$T_i = +12$ °C	Pdh	0.85	kW	$T_i = +12$ °C	COPd	9.62						
$\Gamma_j$ = bivalent temperature	Pdh	4.87	kW	Tj = bivalent temperature	COPd	3.23						
$\Gamma_{\rm i} = {\rm operation \ limit \ temperature}$	Pdh	4.34	kW	Tj = operation limit temperature	COPd	2.86						
For air-to-water heat pumps:		1.51		For air-to-water heat pumps:		2.00						
$T_j = -15$ °C(ifTOL<-20°C)	Pdh	-	kW	$T_i = -15$ °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	Peych	-	kW	Cycling interval efficiency	COPcyc	-	-					
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOI	60	°C					
Power consumption in modes other th	an active	mode		Supplemantary heater								
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.16	kW					
Thermostat-off mode	Рто	0.030	kW	()								
Standby mode	PSB	0.020	kW	Type of energy input	l E	lectricity	V					
Crankcase heater mode	PCK	0.000	kW	31 33 1		-	,					
Other items					l							
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m <sup>3</sup> /h					
Sound power level, indoors/outdoors	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate,			m <sup>3</sup> /h					
Annual energy consumption	QHE	2355	kWh	outdoor heat exchanger	-	-	1115/11					
For heat pump combination heater												
Declaed load profile		-		Water heating energy efficiency	Rwh	-	%					
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWł					
Contact details	AUX Co. 1166 Mir		North :	Road, Jiangshan Yinzhou District, Ningbo	, 315191 Z	Thejiang,	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

			Tec	hnical parameters							
Model (s):		Outdoo		ACHP-H04/4R3HA-O Indoor unit: ACH	P-H04/4R3	HA-I					
Air-to-water heat ump:		yes									
		no									
		no									
		no									
		no no									
1 1			e								
Item	Symbol	Mediur		Itam	Cumbal	Value	Linit				
Item	Syllibol	value	Ullit		Syllibol	value	Ollit				
Rated heat output(*)	Prated	5.5	kW	efficiency	Hs	131	%				
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficiency  Declared coefficient of performance or primary energy ratio for part oad at indoor temperature 20°C and outdoor temperature Tj  Tj = -7°C							
Tj = -7°C	Pdh	4.87	kW	$Tj = -7^{\circ}C$	COPd	1.96					
$Tj = +2^{\circ}C$	Pdh	2.96	kW	Tj = +2°C	COPd	3.48					
$Tj = +7^{\circ}C$	Pdh	1.90	kW	$T_1 = +7$ °C	COPd						
Ti = +12°C	Pdh	0.85	kW	<del>*</del>	COPd	6.58					
Tj = bivalent temperature	Pdh	4.87	kW	<u> </u>							
Tj = operation limit temperature	Pdh	3.42	kW	Tj = operation limit temperature			-				
For air-to-water heat pumps: $Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	Pdh	-	kW	For air-to-water heat pumps: Ti = -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 than	active 1	node								
Off mode	POFF	0.020	kW	1	Psun	2.08	kW				
Thermostat-off mode	Рто	0.030	kW	rated near output ( )	Тзир	2.00	K **				
Standby mode	PsB	0.020	kW	Type of energy input	F	lectricity	7				
Crankcase heater mode	PCK	0.000	kW	Type or energy input		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Other items	FCK	0.000	KVV								
Same nems				For air-to-water heat numns: Rated air		-					
Capacity control	/	/ariable		flow rate, outdoors	-	2800	$m^3/h$				
Sound power level, indoors/outdoors	Lwa	38/56	dB	For water-/bri ne-to-water heat							
Annual energy consumption	ОНЕ	3399	kWh	pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h				
For heat pump combination he		,//		1	1	l					
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										
heating Pdesignh, and the rated sup(Tj).	rs and heat d heat out	pump c	ombina supplen	ation heaters, the rated heat output Prated nentary heater Psup is equal to the supple default degradation coefficient is Cdh =	is equal to ementary ca	the desig	n load fo				

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

			Tech	nnical parameters							
Model (s):			tdoor unit: ACHP-H04/4R3HA-O Indoor unit: ACHP-H04/4R3HA-I								
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 hea	ater:	no									
Heat pump combination heater:		no									
Declared climate condition		Colder									
Declared temperature application	1	Low		1	1						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	4.6	kW	Seasonal space heating energy efficiency	0s	157	%				
Declared capacity for heating for part load and outdoor temperature Tj	l at indoor to	emperature	e 20°C	Declared coefficient of performance or prim at indoor temperature 20°C and outdoor te			r part lo				
Tj = -7°C	Pdh	2.75	kW	$Tj = -7^{\circ}C$	COPd	3.50	-				
$\Gamma j = +2^{\circ}C$	Pdh	1.77	kW	$Tj = +2^{\circ}C$	COPd	4.95	-				
$\Gamma j = +7^{\circ}C$	Pdh	1.17	kW	$Tj = +7^{\circ}C$	COPd	5.53	-				
$\Gamma j = +12^{\circ}C$	Pdh	1.43	kW	Tj = +12°C	COPd	7.67	-				
$\Gamma j = bivalent temperature$	Pdh	3.72	kW	Tj = bivalent temperature	COPd	2.57	-				
Γj = operation limit temperature	Pdh	2.80	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 neating	Peych	-	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 acti	ve mode		Supplementary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.80	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PsB	0.020	kW	Type of energy input	]	Electricit	у				
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 <sup>3</sup> /h				
Sound power level,	<b> </b>		1D	For water-/bri ne-to-water heat							
ndoors/outdoors	LWA	-	dB	pumps:Rated brine or water flow rate,	_	_	m <sup>3</sup> /h				
Annual energy consumption	QHE	2833	kWh	outdoor heat 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			Road, Jiangshan Yinzhou District, Ningbo,							

<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

			Tec	hnical parameters							
Model (s):			Outdoor unit: ACHP-H04/4R3HA-0 Indoor unit: ACHP-H04/4R3HA-I								
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 heater:											
		no									
		Colder									
Declared temperature application		Mediun	n	T							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	3.4	kW	Seasonal space heating energy efficiency	Is	101	%				
Declared capacity for heating for part load at indoor temperature and outdoor temperature Tj				Declared coefficient of performance or primary indoor temperature 20°C and outdoor temperature 20°C.		atio for pa	ırt load a				
Tj = -7°C	Pdh	2.14	kW	Tj = -7°C	COPd	2.32	-				
$Tj = +2^{\circ}C$	Pdh	1.28	kW		COPd	2.99	-				
$Tj = +7^{\circ}C$	Pdh	1.02	kW	$Tj = +7^{\circ}C$	COPd	3.86	-				
Tj = +12°C	Pdh	1.37	kW	Tj = +12°C	COPd	6.28	-				
Tj = bivalent temperature	Pdh	2.74	kW	Tj = bivalent temperature	COPd	1.74	-				
Tj = operation limit temperature	Pdh	1.64	kW	Tj = operation limit temperature	COPd	1.02	_				
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: $T_i = -15$ °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	ve mode	•	Supplemantary heater							
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	1.76	kW				
Thermostat-off mode	Рто	0.030	kW								
Standby mode	PSB	0.020	kW	Type of energy input	F	Electricity	,				
Crankcase heater mode	Рск	0.000	kW								
Other items	-	•	•		-						
Capacity control	\	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m <sup>3</sup> /h				
Sound power level,	_			For water-/brine-to-water heat pumps:Rated							
indoors/outdoors	LWA	-	dB	brine or water flow rate, outdoor heat	_	_	m <sup>3</sup> /h				
Annual energy consumption	Оне	3233	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., 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