			Tec	chnical parameters			
Model(s):		ACHP-1		3HA-M (NE)			
Air-to-water heat ump:		yes					
Water-to-water heat pump:							
Brine-to-water heat pump:	no						
Low-temperature heat pump:		no					
Equipped with a supplementary	heater:	no					
Heat pump combination heater:		no					
Declared climate condition		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	ηs	252	%
Declared capacity for heating for pa 20°C and outdoor temperature Tj	rt load at in	door temp	erature	Declared coefficient of performance or primat indoor temperature 20°C and outdoor te			part loa
Tj = -7°C	Pdh	-	kW	'=-7°C	COPd	-	
Tj = +2°C	Pdh	5.37	kW	Tj = +2°C	COPd	3.94	-
$T_i = +7^{\circ}C$	Pdh	3.54	kW	$Tj = +7^{\circ}C$	COPd	5.82	_
$T_{i} = +12^{\circ}C$	Pdh	1.57	kW	$T_j = +12$ °C	COPd	7.91	
				-			
Tj = bivalent temperature	Pdh	3.54	kW	Tj = bivalent temperature	COPd	5.82	
Tj = operation limit temperature	Pdh	5.37	kW	Tj = operation limit temperature	COPd	3.94	-
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	-	I
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	Supplementary heater		•	
Off mode	Poff	0.020	kW	Rated heat output (*)	Psup	0.13	kW
Thermostat-off mode	Рто	0.020	kW	Tanta non output ( )	твир	1 0.10	17.11
				Type of energy input		Eloctricit	7
Standby mode	PsB	0.020	kW	Type of energy input	-	Electricity	y
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	Lwa	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate,		_	m <sup>3</sup> /h
Annual energy consumption	Оне	1151	kWh	outdoor heat exchanger	<u>-</u>	] -	111 /11
For heat pump combination hear		11131	hz 44 11	<u> </u>	1	1	
	161			Water heating energy officiency	Owk	_	%
Declaed load profile	0.1	<del>-</del>	1 3377	Water heating energy efficiency	Owh	-	
Daily electricity consumption	Qelec		kWh	Daily fuel consumption	Qfuel	-	kWh
Contact details	AUX Co. 1166 Min		North R	oad, Jiangshan Yinzhou District, Ningbo, 3	15191 Zh	ejiang, Cł	nina

<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).

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

				Technical parameters					
Model(s): ACHP-H04/4R3HA-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 supplementar	y heater:	no							
Heat pump combination heate	-	no							
Declared climate condition		Warme	•						
Declared temperature applicat	ion	Mediun							
				TA	Cl1	Value	T I		
Item	Symbol	Value	Unit	<u>Item</u>	Symbol	Value	Unit		
Rated heat output(*)	Prated	5	kW	Seasonal space heating energy efficiency	ηs	161	%		
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 tempera		io for par	t load at		
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-		
$Tj = +2^{\circ}C$	Pdh	4.87	kW	$Tj = +2^{\circ}C$	COPd	2.51	-		
Tj = +7°C	Pdh	3.21	kW	Tj = +7°C	COPd	3.62	-		
Tj = +12°C	Pdh	1.43	kW	$Tj = +12^{\circ}C$	COPd	5.15	=		
Tj = bivalent temperature	Pdh	3.21	kW	Tj = bivalent temperature	COPd	3.62	-		
Tj = operation limit temperature	Pdh	4.87	kW	Tj = 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	Supplemantary heater	•				
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.13	kW		
Thermostat-off mode	Рто	0.030	kW	/	<u> </u>				
Standby mode	PSB	0.020	kW	Type of energy input	]	Electricity	/		
Crankcase heater mode	P CK	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	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	1627	kWh	exchanger			·		
For heat pump combination he			1		1				
Declaed load profile		-		Water heating energy efficiency	Owh	-	%		
Daily electricity consumption	Qelec	- I	kWh	Daily fuel consumption	Qfuel	-	kWh		
Contact details  AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China									
				ation heaters, the rated heat output Prated is eq mentary heater Psup is equal to the supplementary					

sup(Tj).

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

		1	Techni	cal parameters							
Model(s):			H04/4F	R3HA-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	r:	no									
Heat pump combination heater:		no									
Declared climate condition			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	ηs	195	%				
Declared capacity for heating for part load and outdoor temperature Tj	at indoor to	emperatui	re 20°C	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	2.96					
$T_j = +2^{\circ}C$	Pdh	2.9	kW	$T_i = +2^{\circ}C$	COPd	4.84					
$T_i = +7^{\circ}C$	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					
Tj = bivalent temperature	Pdh	4.87	kW	Tj = bivalent temperature	COPd	2.96					
$\Gamma$ j = operation limit temperature	Pdh	4.34	kW	Tj = operation limit temperature	COPd	2.86					
For air-to-water heat pumps:				For air-to-water heat pumps: Tj =		2.00					
Tj=-15°C(ifTOL<-20°C)	Pdh	-	kW	-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 th	an active	mode		Supplemantary heater	ı						
Off mode	PQFF	0.020	kW	Rated heat output (*)	Psup	1.16	kW				
Thermostat-off mode	Рто	0.030	kW	Tanco near conport	Toup	1.10	11.11				
Standby mode	PsB	0.020	kW	Type of energy input	E	Electricity					
Crankcase heater mode	PcK	0.000	kW			,					
Other items		ı	l								
Capacity control	\	/ariable		For air-to-water heat pumps: Rated airflow rate, outdoors	-	2800	m <sup>3</sup> /h				
Sound power level	LWA	_	dB	For water-/brine-to-water heat pumps:			2				
Annual energy consumption	Qне	2295	kWh	Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h				
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	I	Road, Jiangshan Yinzhou District, Ningbo	,	<u> </u>					

<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

			Тоо	hnical parameters							
Madal(a)		<b>АСП</b> В		hnical parameters R3HA-M (NE)							
Model(s):			1104/4	NSHA-W (NE)							
Air-to-water heat ump:	yes										
Water-to-water heat pump:											
Brine-to-water heat pump:		no									
Low-temperature heat pump:		no	no								
Equipped with a supplementar	•	no									
Heat pump combination heate	r:	no									
Declared climate condition		Average	Average								
Declared temperature applicat	ion	Mediun	1								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output(*)	Prated	5.5	kW	Seasonal space heating energy efficiency	ηs	133	%				
Declared capacity for heating for temperature 20°C and outdoor ten				Declared coeffient of performance or pr load at indoor temperature 20°C and out							
Tj = -7°C	Pdh	4.87	kW	Tj = -7°C	COPd	1.84	-				
Tj = +2°C	Pdh	2.96	kW	Tj = +2°C	COPd	3.48	_				
Ti = +7°C	Pdh	1.90	kW	Tj = +7°C	COPd	4.28	_				
Ti = +12°C	Pdh	0.85	kW	Tj = +12°C	COPd	6.58	-				
Tj = bivalent temperature	Pdh	4.87	kW	Tj = bivalent temperature	COPd	1.84	_				
Tj = operation limit	Pdh	5.50	kW	Tj = operation limit temperature	COPd	1.83	-				
For air-to-water heat pumps:				For sin to souton heat more							
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 than	active r	node	Supplemantary heater							
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	2.08	kW				
Thermostat-off mode	Рто	0.030	kW	Table Mean Carpus ( )	1346	2.00	22.11				
Standby mode	PSB	0.020		Type of energy input		Electricity	7				
Crankcase heater mode	PcK	0.000	kW	-,,, 8),		<b>.</b>	,				
Other items	TOIL	0.000	KW		1						
One nons	1			For air-to-water heat pumps: Rated air							
Capacity control	\	/ariable		flow rate, outdoors	-	2800	m <sup>3</sup> /h				
Sound power level	Lwa	57	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate,	_	1	m <sup>3</sup> /h				
Annual energy consumption	QHE	3321	kWh	outdoor heat exchanger			/11				
For heat pump combination he	eater										
Declaed load profile				Water heating energy efficiency	Owh	-	%				
Daily electricity consumption	Oelec	_	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 heater				ation heaters, the rated heat output Prated							

<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).

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

			Tec	hnical parameters								
Model(s):		<b>АСП</b> В		hnical parameters								
· ·			-HU4/4	R3HA-M (NE)								
Air-to-water heat ump:	yes											
			no									
Brine-to-water heat pump:		no										
Low-temperature heat pump:		no										
Equipped with a supplementar	-	no										
Heat pump combination heater	r:	no										
Declared climate condition		Colder										
Declared temperature applicat	ion	Low										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	157	%					
Declared capacity for heating for perfective temperature 20°C and outdoor ten				Declared coeffient of performance or pr load at indoor temperature 20°C and ou								
Tj = -7°C	Pdh	2.75	kW	Tj = -7°C	COPd	3.50						
Tj = +2°C	Pdh	1.77	kW	Tj = +2°C	COPd	4.95						
Ti = +7°C	Pdh	1.17	kW	Tj = +7°C	COPd	5.53						
Ti = +12°C	Pdh	1.43	kW	$Tj = +12^{\circ}C$	COPd	7.67						
Tj = bivalent temperature	Pdh	3.72	kW	Tj = bivalent temperature	COPd	2.57						
Tj = operation limit	Pdh	2.80	kW	Tj = operation limit temperature	COPd	1.97	-					
temperature				D 1 1 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	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	$^{\circ}\mathrm{C}$					
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 than	active r	node	Supplemantary heater								
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	1.80	kW					
Thermostat-off mode	P <sub>TO</sub>	0.030	kW	rated near output ()	1549	1.00	X VI					
Standby mode	PSB	0.020		Type of energy input	1	Electricity	v					
Crankcase heater mode	РСК	0.000	kW	-3,F			,					
Other items	I ICK	0.000	IV AA	1	1							
Curol Itellis	Ι			For air to water host number Date 4 -i-								
Capacity control	'	ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2800	m <sup>3</sup> /h					
Sound power level	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	2833	kWh	outdoor heat exchanger								
For heat pump combination he		_ 2000	PX 1111	-			1					
Declaed load profile				Water heating energy officiency	Owh	_	%					
		•	1 77 79	Water heating energy efficiency								
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh					
Contact details	AUX Co. 1166 Mir		North	Road, Jiangshan Yinzhou District, Ningb	o, 315191	Zhejian	g, China					
(*) For heat pump space heater	s and heat	pump c	ombina	ation heaters, the rated heat output Prated	is equal to	the desig	n load fo					

<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).

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

Model(s):  ACHP-H04/4R3HA-M (NE)  Air-to-water heat pump:  po  Brine-to-water heat pump:  quipped with a supplementary heater:  heat pump combination heater:  Declared climate condition  Colder  Rated heat output(*)  Prated  3.4 kW  Seasonal space heating energy  refficiency  Poclared capacity for heating for part load at indoor  temperature 20°C and outdoor temperature 1j  Declared capacity for heating for part load at indoor  temperature 20°C and outdoor temperature 1j  Di = -7°C  Pdh  1.28 kW  Tj = -7°C  Pdh  1.28 kW  Tj = +7°C  Pdh  1.37 kW  Tj = +2°C  Tj = +2°C  Pdh  1.37 kW  Tj = +12°C  Tj = +2°C  Tj = +2°C  Pdh  1.40 kW  Tj = +12°C  Tj = +12°C  Pdh  1.54 kW  Tj = +12°C  Tj = bivalent temperature  Pdh  1.64 kW  Tj = operation limit temperature  COPd  1.74  Tj = operation limit  Pdh  1.64 kW  Tj = operation limit temperature  COPd  1.74  Tj = operation limit  Por air-to-water heat pumps:  Tj = 15°C(iTTOL<-20°C)  Power consumption in modes other than active mode  Off mode  Prov  Power consumption in modes other than active mode  Off mode  Prov  Poss  Capacity control  Variable  For air-to-water heat pumps:  Quegradation co-efficien(**)  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Power consumption in modes other than active mode  Capacity control  Variable  For air-to-water heat pumps:  Power consumption in modes other than active mode  Power consumption in modes other than active mode  Power consumption in m				Tec	hnical parameters							
Air-to-water heat pump:    Mater-to-water heat pump:   no	Model(s):		ACHP.									
Mater-to-water heat pump:   no     Difference   No   Declared commission heater:   no   Declared climate condition   Colder   Declared climate condition   Colder   Declared competition   Colder   Declared condition   Colder   Declared condition   Colder   Declared competition   Declared condition   Colder   Declared competition   Declared conserving for heating for part load at indoor temperature 20°C and outdoor temperature T j   Declared copacity for heating for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature P j   Declared coefficient of performance or primary energy ratio for part load at indoor temperature T j   Declared coefficient of performance or primary energy ratio for	` `			-1104/4	KSHA-M (NE)							
Brine-to-water heat pump:	•		ľ									
Equipped with a supplementary heater:	• •											
Equipped with a supplementary heater:   no	* *											
Declared climate condition   Colder		_										
Declared climate condition	* * * * * * * * * * * * * * * * * * * *		no									
Declared temperature application   Medium	* *	r <u>:</u>										
Item Symbol Value Unit Item Symbol Value Unit Rated heat output(*) Prated 3.4 kW Seasonal space heating energy #s 101 %  Rated heat output(*) Prated 3.4 kW Seasonal space heating energy #s 101 %  Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj boad at indoor temperature 20°C and outdoor 1.74    Tj = +12°C   To Di												
Rated heat output(*)  Prated 3.4 kW Seasonal space heating energy efficiency  Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj  Tj = -7°C Pdh 2.14 kW Tj = -7°C COPd 2.32  Tj = +2°C Pdh 1.28 kW Tj = +2°C COPd 2.32  Tj = +7°C Pdh 1.27 kW Tj = +7°C COPd 3.86  Tj = +12°C Pdh 1.37 kW Tj = +7°C COPd 3.86  Tj = +12°C Pdh 1.37 kW Tj = +12°C COPd 3.86  Tj = bivalent temperature Pdh 2.74 kW Tj = bivalent temperature COPd 1.74  Tj = operation limit temperature  Tj = operation limit temperature  Pdh 1.64 kW Tj = operation limit temperature  For air-to-water heat pumps: Tj = -15°C(ffTOL->20°C)  Bivalent temperature  Tbiv -15 °C For air-to-water heat pumps: Operation limit temperature  Cycling interval capacity for heating  Degradation co-efficient(**) Cdh 0.9 - Heating water operating limit temperature  Power consumption in modes other than active mode  Off mode Porr 0.030 kW  Standby mode PsB 0.020 kW Rated heat output (*) Psup 1.76 kW  Type of energy input  Electricity  For air-to-water heat pumps: Rated air flow rate, outdoors  Capacity control Variable  For air-to-water heat pumps: Rated air flow rate, outdoors  For water-for in-to-owater heat pumps: Rated air flow rate, outdoors  For water-for in-to-water heat pumps: Rated air flow rate, outdoors  Annual energy consumption Power  Power consumption on the temperature  Capacity control Variable  For water-for in-to-water heat pumps: Rated air flow rate, outdoors  For water-for in-to-owater heat pumps: Rated air flow rate, outdoors  For water-for in-to-owater heat pumps: Rated air flow rate, outdoors  Annual energy consumption Power  Power outdoor temperature  Water heating energy efficiency  Hwh - 9%  Annual energy consumption Power  Water heating energy efficiency  Hwh - 9%  Water heatin	Declared temperature application			_								
Declared capacity for heating for part load at indoor temperature Tj  Tj = -7°C  Pdh  1.28  W  Tj = -7°C  Pdh  1.28  W  Tj = +7°C  Pdh  1.28  W  Tj = +7°C  COPd  2.32  Tj = +12°C  COPd  3.86  Tj = +12°C  COPd  3.86  Tj = operation limit  temperature  Pdh  1.64  W  Tj = operation limit temperature  For air-to-water heat pumps:  Tj = -15°C(ifTOL<20°C)  Peych  Peych  Peych  Peych  Peych  Peych  Porr air-to-water heat pumps:  Tomode  Porr O.030  Power consumption in modes other than active mode  Off mode  Porr O.030  Promode  Pro 0.030  Pro 0.030  Promode  Pro 0.030  Pro 0.030  Pro Marka enter mode  Pro 1.030  RW  Type of energy input  Electricity  For air-to-water heat pumps: Rated air flow rate, outdoors  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  Sound power level  LwA  Annual energy consumption  QHE  3233  WH  Contact details  AUX Co., Ltd  1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chin  Pup and a di indoor temperature 20°C and outdoor temperature Tj  Declaced load profile  Declaced load profile  Water heating performance or primary energy ratio for particoload at indoor temperature Tj  Declaced load profile  Declaced load profile  Water heating performance or primary energy ratio for particoload at indoor temperature Tj  Declaced load profile  Water heating performance or primary energy ratio for particoload at indoor temperature Tj  Department of performance or primary energy ratio for particoload at indoor temperature Tj  LwA  Pro air-to-water heat pumps: Ocoped  Pro air-to-water heat pumps: Rated air flow rate, outdoors  Power consumption of the performance or primary energy ratio for particoload and profile  Water heating energy efficiency  Hwh  Pro water flow rate, outdoors  Pro water flow rate, outdoors  Pro water flow rate, outdoor sale exchanger  Pro water flow rate, outdoors  Pro	Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load $2.32$ load at indoor temperature $20^{\circ}\text{C}$ and outdoor temperature $20^{\circ}\text{C}$ and outdoor temperature Tj load $2.32$	Rated heat output(*)	Prated	3.4	kW		ηs	101	%				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tj = -7°C	Pdh	2.14	kW	Tj = -7°C	COPd	2.32					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$Tj = +2^{\circ}C$	Pdh	1.28	kW	Tj = +2°C	COPd	2.99					
Ti = +12°C	<b>-</b>	Pdh			1 *	COPd	3.86					
Tj = bivalent temperature Tj = operation limit temperature Tj = operation limit temperature Torair-to-water heat pumps: Tj = -15°C(ifTOL<-20°C) Pdh Peych Peych Peych Peych Poair-to-water heat pumps: Torair-to-water heat pumps: Torair-to-water heat pumps: Tj = -15°C(ifTOL<-20°C) Peych Poair-to-water heat pumps: Peych				_	†*							
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: Tj = -15°C(ifTOL<-20°C)   For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)   For air-to-water heat pumps: Operation limit temperature   ToL   -22   °C   Cycling interval capacity for heating   Peych   - 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 active mode   Supplementary heater   Off mode   Poff   0.020   kW   Rated heat output (*)   Psup   1.76   kW   Type of energy input   Electricity   Capacity control   Pro   0.030   kW   Capacity control   Variable   For air-to-water heat pumps: Rated air flow rate, outdoors   -   2800   m³/m   Annual energy consumption   QHE   3233   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   Qfisel   -   kW   Contact details   AUX Co., Ltd   1166 Mingguang   North   Road, Jiangshan Yinzhou District, Ningbo, 315191   Zhejiang, Chin					<u> </u>							
For air-to-water heat pumps:  Tj = -15°C(ifTOL<-20°C)  Bivalent temperature  Tbiv -15  CC For air-to-water heat pumps:  Tj = -15°C(ifTOL<-20°C)  Tol.  -22  CC Cycling interval capacity for heating  Degradation co-efficient(**)  Cdh	Tj = operation limit							-				
Tj = -15°C(ifTOL<-20°C)  Bivalent temperature  Tbiv -15	*											
Bivalent temperature  Tol15 °C limit temperature  Tol22 °C Cycling interval capacity for heating  Degradation co-efficient(**)  Cdh 0.9 - Heating water operating limit temperature  Power consumption in modes other than active mode  Off mode Poff 0.020 kW Rated heat output (*)  Pro 0.030 kW Standby mode PsB 0.020 kW Crankcase heater mode P(3K 0.000 kW)  Other items  Capacity control Variable  Capacity control Variable  Sound power level  LwA - dB For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  Sound power level  Annual energy consumption QHE 3233 kWh  For heat pump combination heater  Declaed load profile  AUX Co., Ltd  Alide Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chin		Pdh	-	kW	$Tj = -15^{\circ}C(ifTOL < -20^{\circ}C)$	COPd	-	-				
heating	Bivalent temperature	Tbiv	-15	°C	1	TOL	-22	°C				
Degradation co-efficient(**)  Cdh  O.9  - Heating water operating limit temperature  WTOL  Supplementary heater  Off mode  Poff  O.020  W  Rated heat output (*)  Psup  I.76  WTOL  Supplementary heater  Off mode  Pro  O.030  W  Standby mode  Crankcase heater mode  Other items  Capacity control  Variable  LwA  - dB  For water-bri ne-to-water heat pumps: Rated air flow rate, outdoors  Sound power level  LwA  Annual energy consumption  QHE  3233  Wh  Daily electricity consumption  Qelec  - kWh  Daily fuel consumption  AUX Co., Ltd  I166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chin		Pcych	-	kW	Cycling interval efficiency	COPcyc	-	=				
Power consumption in modes other than active mode Off mode Poff   0.020   kW   Rated heat output (*)   Psup   1.76   kW Thermostat-off mode Pro   0.030   kW   Standby mode PsB   0.020   kW   Crankcase heater mode P(3K   0.000   kW   Other items  Capacity control Variable Sound power level LwA   -   dB   For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors Annual energy consumption Por heat pump combination heater  Declaed load profile Daily electricity consumption  AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Ching Control Red (**)  Supplemantary heater  Supplemantary heater  Supplemantary heater  Supplemantary heater  Psup   1.76   kW  Rated heat output (*) Psup   1.76   kW  Rated heat output (*) Psup   1.76   kW  For air-to-water heat pumps: Rated air flow rate, outdoors  -   2800   m³/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/	-	Cdh	0.9	-		WTOL	52	°C				
Off mode  Poff   0.020   kW   Rated heat output (*)   Psup   1.76   kW   Thermostat-off mode   Pro   0.030   kW   Standby mode   PsB   0.020   kW   Crankcase heater mode   P(3K   0.000   kW    Other items  Capacity control   Variable   For air-to-water heat pumps: Rated air flow rate, outdoors   - 2800   m³/1    Sound power level   LwA   - dB   For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger     m³/1    Annual energy consumption   QHE   3233   kWh   outdoor heat exchanger   -   -   m³/1    For heat pump combination heater   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, Ching	Power consumption in modes	other than	active r	node	1							
Thermostat-off mode					† ** ·	Doum	1 76	1,117				
Standby mode PsB 0.020 kW Crankcase heater mode P(3K 0.000 kW)  Other items  Capacity control Variable For air-to-water heat pumps: Rated air flow rate, outdoors  Sound power level LwA - dB For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger  Annual energy consumption QHE 3233 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., Ltd  Contact details				_	reacou near ourput (*)	rsup	1.70	K VV				
Crankcase heater mode P(3K 0.000 kW Other items  Capacity control Variable For air-to-water heat pumps: Rated air flow rate, outdoors  Sound power level LwA - dB For water-/bri ne-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger  Annual energy consumption QHE 3233 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., Ltd  1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chir					Type of energy input	,	Electricit	i <i>1</i>				
Capacity control  Variable  For air-to-water heat pumps: Rated air flow rate, outdoors  Sound power level  LwA  - dB  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  Annual energy consumption  QHE  3233 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  AUX Co., Ltd  1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chir				_	1 ypc of energy input	'	sicculotty	y				
Capacity control  Variable  For air-to-water heat pumps: Rated air flow rate, outdoors  LWA  - dB  For water-/bri ne-to-water heat pumps: Rated air flow rate, outdoors  Annual energy consumption  QHE  3233 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  AUX Co., Ltd  1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chir		LIGIK	0.000	V AA	<u> </u>							
Capacity control  Variable flow rate, outdoors  Sound power level  LWA - dB For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger  For heat pump combination heater  Declaed load profile - Water heating energy efficiency  Hwh - % Daily electricity consumption  Qelec - kWh Daily fuel consumption  Quelty AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chin	Other items					1						
Annual energy consumption  QHE 3233 kWh outdoor heat exchanger  Declaed load profile  Daily electricity consumption  AUX Co., Ltd  AUX Co., Ltd  1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chir	Capacity control	'	ariable			-	2800	m <sup>3</sup> /h				
Annual energy consumption   QHE 3233 kWh outdoor heat exchanger    For heat pump combination heater  Declaed load profile	Sound power level	Lwa	-	dB		_	_	m <sup>3</sup> /h				
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, Chir	Annual energy consumption	Qне	3233	kWh	<b>†</b> • • • • • • • • • • • • • • • • • • •			,11				
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, Chir	For heat pump combination he	ater										
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, Chir	Declaed load profile				Water heating energy efficiency	Hwh	-	%				
Contact details  AUX Co., Ltd  1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, Chir		Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWh				
		AUX Co	., Ltd			oo, <u>3</u> 15191						
, ) For near pump space nearers and near pump combination hearers, the rated near output Frated is equal to the design load	(*) For heat pump space heater											

<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).

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