		79	<u>Tecl</u>	nnical parameters								
Model (s):		АСНР-	H08/4I	РЗНА-МЕ								
Air-to-water heat ump:	yes											
Water-to-water heat pump:			no									
Brine-to-water heat pump:		no										
Low-temperature heat pump:												
Equipped with a supplementary heater:												
Heat pump combination heater:		no Warme										
Declared climate condition			r									
Declared temperature application		Low		î	r							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output(*)	Prated	8.1	kW	Seasonal space heating energy efficiency	ηѕ	173	%					
Declared capacity for heating for part load and outdoor temperature Tj	d at indoor	temperatu	ire 20°C	Declared coefficient of performance or primary indoor temperature 20°C and outdoor temper		ratio for pa	art load					
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	- 1	-					
Tj = +2°C	Pdh	8.10	kW	$T_i = +2^{\circ}C$	COPd	2.62	-					
$\Gamma j = +7^{\circ}C$	Pdh	5.21	kW	$Tj = +7^{\circ}C$	COPd	3.78	_					
Γj = +12°C	Pdh	2.31	kW	$T_j = +12$ °C	COPd	5.55	_					
$\Gamma$ j = bivalent temperature	Pdh	5.21	kW	Tj = bivalent temperature	COPd	3.78	_					
$\Gamma_i$ = operation limit temperature	Pdh	8.10	kW	Tj = operation limit temperature	COPd	2.62	_					
For air-to-water heat pumps:		6.10		For air-to-water heat pumps:		2.02						
$T_j = -15$ °C(ifTOL<-20°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	COPcyc	-	-					
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C					
Power consumption in modes other t	han activ	e mode		Supplemantary heater	Is	4 1						
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	0.3	kW					
Thermostat-off mode		0.030	kW	Active Active Company ( )	15	10.0	25.11					
	Рто		-	Type of energy input		Electricity	I					
Standby mode	PSB	0.020	kW	1 JPO OI OHOIGY INPUT		Licentelly	•					
Crankcase heater mode	РСК	0.000	kW		10.7							
Other items	1					, ,						
Capacity control	V	/ariable	·	For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	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	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	- 1	kWh					
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China											

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

			Tech	nical parameters									
Model(s):	ACHP-H08/4R												
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										
Heat pump combination heater:		no											
		Warme											
Declared temperature application	1	Mediun	n	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	at indoor t	emperatu	re 20 °C	Seasonal space heating energy efficiency  Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature Tj  Tj = -7°C  COPd  - Tj = +2°C  COPd  2.62  - Tj = +12°C  COPd  3.78  - Tj = bivalent temperature  COPd  3.78  - Tj = operation limit temperature  COPd  2.62  - Tj = operation limit temperature  COPd  COP									
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-						
Tj = +2°C	Pdh	8.10	kW	"	COPd	2.62	_						
$Tj = +7^{\circ}C$	Pdh	5.21	kW	-	COPd	3.78	-						
Tj = +12°C	Pdh	2.31	kW	Tj = +12°C	COPd	5.55	-						
Tj = bivalent temperature	Pdh	5.21	kW	Tj = bivalent temperature	COPd	3.78	-						
Tj = operation limit temperature	Pdh	8.10	kW	Ti = operation limit temperature	COPd	2.62	_						
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)			-						
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 th	nan active	mode		Supplemantary heater		1							
Off mode	P off	0.020	kW	Rated heat output (*)	Psup	0.0	kW						
Thermostat-off mode	PTO PTO	0.030	kW										
Standby mode	P SB	0.020	kW	Type of energy input	E	Electricity	7						
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 <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	2460	1-3371-	exchanger									
For heat pump combination heater		· <u></u> <del>40</del> 0	·ĸ W II										
Declaed load profile		_		Water heating energy efficiency	Qwh	-	%						
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfbel	-	kWh						
Contact details	AUX Co 1166 Mii	., Ltd		Road, Jiangshan Yinzhou District, Ningbo, 3	15191 Zhe	ejiang, Cl							

<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

			<u> Fechni</u>	cal parameters									
Model(s):		ACHP-H08/4R3HA-ME											
Air-to-water heat ump:			yes										
Water-to-water heat pump:		no											
Brine-to-water heat pump:		no											
Low-temperature heat pump:													
Equipped with a supplementary heater	:	no											
			10										
Declared climate condition			verage										
Declared temperature application	Declared temperature application			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 and outdoor temperature Tj	at indoor te	mperature	e 20°C	Declared coefficient of performance or prin load at indoor temperature 20°C and outd									
Tj = -7°C	Pdh	7.18	kW	Tj = -7°C	COPd	3.30	-						
$Tj = +2^{\circ}C$	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	-						
$Tj = +12^{\circ}C$	Pdh	1.25	kW	Tj = +12°C	COPd	8.35	-						
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	-						
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	an active n	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	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 <sup>3</sup> /h						
Sound power level	LWA	-	dB	For wate r-/bri n e-to-water heat			3						
Annual energy consumption	QHE	3216	kWh	pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h						
For heat pump combination heater		1											
Declaed load profile		-		Water heating energy efficiency	Owh	-	%						
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	-	kWh						
Contact details			North	Road, Jiangshan Yinzhou District, Ningbo	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).

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

			Tec	hnical parameters			
Model(s):		ACHP-		R3HA-ME			
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							
Heat pump combination heater: no							
Declared climate condition	Average						
Declared temperature application	1	Mediun	n T	T	ī	ı	
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			Seasonal space heating energy efficiency  Declared coefficient of performance or primary energy ratio for part load indoor temperature 20°C and outdoor temperature Tj  Cj = -7°C  COPd  2.30  - Cj = +2°C  COPd  3.30  - Cj = +12°C  COPd  5.33  - Cj = +12°C  COPd  5.33  - Cj = bivalent temperature  COPd  COPd  2.16  - Cj = operation limit temperature  COPd  COPd  1.84  - Cor air-to-water heat pumps:  COPd  COPd  -				
Tj = -7°C	Pdh	5.84	kW	Tj = -7°C	COPd	2.30	-
Tj = +2°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	-
$T_j$ = operation limit temperature	Pdh	4.90	kW		COPd	1.84	-
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps:			-
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 othe	r 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	] 1	Electricity	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	-	4000	m <sup>3</sup> /h
Sound power level	LWA	59	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m <sup>3</sup> /h
Annual energy consumption	QHE	4015	kWh	exchanger			111 / 11
For heat pump combination heater		1.010	r- / · * *	1	I	I	<u> </u>
Declaed load profile		_		Water heating energy efficiency	Owh	_	%
Daily electricity consumption	Qelec	_	kWh	Daily fuel consumption	Qfuel	_	kWh
Contact details	AUX Co			Road, Jiangshan Yinzhou District, Ningbo, 3			

<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):		ACHP-H08/4R3HA-ME					
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							
Heat pump combination heater: no							
Declared climate condition		Colder					
Declared temperature application		Low			Т		
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 load at indoor temperature 20°C and outdoor temperature Tj			Geasonal space heating energy efficiency  Declared coefficient of performance or primary energy ratio for part load and outdoor temperature 20°C and outdoor temperature Tj  Tig = -7°C  COPd  3.66  - Cig = +7°C  COPd  5.20  - Cig = +7°C  COPd  6.53  - Cig = +12°C  COPd  7.96  - Cig = bivalent temperature  COPd  2.83  - Cig = operation limit temperature  COPd  1.95  - Cor air-to-water heat pumps:  Cig = -15°C(ifTOL<-20°C)  Cor air-to-water heat pumps: Operation limit temperature  Copd  Copd  - Copd				
Tj = -7°C	Pdh	4.46	kW	Tj = -7°C	COPd	3.66	-
Tj = +2°C	Pdh	2.69	kW	Tj = +2°C	COPd	5.20	_
$Tj = +7^{\circ}C$	Pdh	1.65	-	$Tj = +7^{\circ}C$	COPd	6.53	-
Tj = +12°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	Ti = 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:		-	-
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		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				
Standby mode	P SB	0.020	kW	Type of energy input	] 1	Electricity	
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 <sup>3</sup> /h
Sound power level	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m <sup>3</sup> /h
Annual energy consumption	QHE	4036	kWh	exchanger			111 /11
For heat pump combination heater				1	1		
Declaed load profile		_		Water heating energy efficiency	Owh	_	%
Daily electricity consumption	Qelec	l -	kWh	Daily fuel consumption	Qfuel	_	kWh
Contact details	AUX Co		•	Road, Jiangshan Yinzhou District, Ningbo, 3	-	1	

<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):		ACHP-		R3HA-ME				
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								
Heat pump combination heater:	t pump combination heater: no							
Declared climate condition		Colder						
Declared temperature application		Mediun	1					
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			Seasonal space heating energy efficiency  Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20°C and outdoor temperature Tj  Tj = -7°C  COPd  2.48  - Tj = +2°C  COPd  3.35  - Tj = +7°C  COPd  4.11  - Tj = +12°C  COPd  5.92  - Tj = bivalent temperature  COPd  Tj = operation limit temperature  COPd  1.22  - For air-to-water heat pumps:  Tj = -15°C(ifTOL<-20°C)  For air-to-water heat pumps: Operation limit temperature  COPcyc  COPcyc  -  -  COPcyc  -  COPcyc					
Tj = -7°C	Pdh	3.86	kW	Tj = -7°C	COPd	2.48	-	
Tj = +2°C	Pdh	2.21		$Tj = +2^{\circ}C$	COPd	3.35	-	
$Tj = +7^{\circ}C$	Pdh	1.44	<b>-</b>	$Tj = +7^{\circ}C$	COPd	4.11	-	
$Tj = +12^{\circ}C$	Pdh	1.47		Tj = +12°C	COPd	5.92	-	
Tj = bivalent temperature	Pdh	4.71	kW	-	COPd	1.90	_	
$T_j = $ operation limit temperature	Pdh	2.80	kW	-	COPd	1.22	_	
For air-to-water heat pumps: Tj = -15°C(ifTOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps:		-	-	
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit	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	3.0	kW	
Thermostat-off mode	Рто	0.030	kW					
Standby mode	P SB	0.020	kW	Type of energy input	I	Electricity	/	
Crankcase heater mode	PcK	0.000	kW					
Other items	1				l			
Capacity control	V	/ariable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4000	m <sup>3</sup> /h	
Sound power level	LWA	-	dB	For water-/bri ne-to-water heat pumps:Rated brine or water flow rate, outdoor heat	_	_	m³/h	
Annual energy consumption	QHE	5014	kWh	exchanger			111 /11	
For heat pump combination heater	1 4	1		1	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							

<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