

## Product Fiche

Technical parameters							
Model(s):		Outdoor unit: ACHP-H14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-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					
Heat pump combination heater:		no					
Declared climate condition		Warmer					
Declared temperature application		Low					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	Prated	12.1	kW	Seasonal space heating energy efficiency	0s	253	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = +2°C	Pdh	12.00	kW	Tj = +2°C	COPd	3.44	-
Tj = +7°C	Pdh	7.78	kW	Tj = +7°C	COPd	5.84	-
Tj = +12°C	Pdh	3.75	kW	Tj = +12°C	COPd	8.25	-
Tj = bivalent temperature	Pdh	7.78	kW	Tj = bivalent temperature	COPd	5.84	-
Tj = operation limit temperature	Pdh	12.00	kW	Tj = operation limit temperature	COPd	3.44	-
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	Pcyc	-	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 mode				Supplementary heater			
Off mode	<sup>P</sup> OFF	0.020	kW	Rated heat output (*)	Psup	0.10	kW
Thermostat-off mode	<sup>P</sup> RO	0.030	kW				
Standby mode	<sup>P</sup> SB	0.020	kW				
Crankcase heater mode	<sup>P</sup> CK	0.000	kW				
Type of energy input							
Electricity							
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	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 exchanger	-	-	m <sup>3</sup> /h
Annual energy consumption	<sup>Q</sup> HE	2529	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Hwh	-	%
Daily electricity consumption	<sup>Q</sup> elec	-	kWh	Daily fuel consumption	<sup>Q</sup> bel	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China						
<p>(*) 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).</p> <p>(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9</p>							

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Technical parameters							
Model(s):		Outdoor unit: ACHP-H 14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-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					
Heat pump combination heater:		no					
Declared climate condition		Warmer					
Declared temperature application		Medium					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	Prated	14.1	kW	Seasonal space heating energy efficiency	Hs	172	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = +2°C	Pdh	13.96	kW	Tj = +2°C	COPd	2.6	-
Tj = +7°C	Pdh	9.32	kW	Tj = +7°C	COPd	3.75	-
Tj = +12°C	Pdh	4.17	kW	Tj = +12°C	COPd	5.82	-
Tj = bivalent temperature	Pdh	9.32	kW	Tj = bivalent temperature	COPd	3.75	-
Tj = operation limit temperature	Pdh	13.96	kW	Tj = operation limit temperature	COPd	2.6	-
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	P <sub>psych</sub>	-	kW	Cycling interval efficiency	COP <sub>psych</sub>	-	-
Degradation co-efficient(**)	Cdh	0.9	-	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sup>OFF</sup>	0.020	kW	Rated heat output (*)	P <sub>sup</sub>	3.5	kW
Thermostat-off mode	P <sup>ro</sup>	0.030	kW	Type of energy input	Electricity		
Standby mode	P <sup>SB</sup>	0.020	kW				
Crankcase heater mode	P <sup>CK</sup>	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h
Annual energy consumption	Q <sub>HE</sub>	4285	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	O <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	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							

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Technical parameters							
Model(s):		Outdoor unit: ACHP-H14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-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					
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	14.5	kW	Seasonal space heating energy efficiency	Hs	<b>186</b>	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	<b>12.83</b>	kW	Tj = -7°C	COPd	3.00	-
Tj = +2°C	Pdh	<b>7.81</b>	kW	Tj = +2°C	COPd	4.74	-
Tj = +7°C	Pdh	5.02	kW	Tj = +7°C	COPd	5.92	-
Tj = +12°C	Pdh	<b>2.23</b>	kW	Tj = +12°C	COPd	9.20	-
Tj = bivalent temperature	Pdh	<b>12.83</b>	kW	Tj = bivalent temperature	COPd	3.00	-
Tj = operation limit temperature	Pdh	<b>11.10</b>	kW	Tj = operation limit temperature	COPd	2.73	-
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	Pcyc	-	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 mode				Supplementary heater			
Off mode	POFF	0.020	kW	Rated heat output (*)	Psup	3.40	kW
Thermostat-off mode	PRO	0.030	kW				
Standby mode	PSB	0.020	kW				
Crankcase heater mode	PCK	0.000	kW				
				Electricity			
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h
Sound power level, indoors/outdoors	LWA	-	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	<b>6352</b>	kWh				
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						
<p>(*) 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).</p> <p>(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9</p>							

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Technical parameters							
Model(s):		Outdoor unit: ACHP-H 14/5R3HA-O Indoor unit: ACHP-H 14/5R3HA-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					
Heat pump combination heater:		no					
Declared climate condition		Average					
Declared temperature application		Medium					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	Prated	14	kW	Seasonal space heating energy efficiency	Os	135	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	<b>12.38</b>	kW	Tj = -7°C	COPd	2.06	-
Tj = +2°C	Pdh	<b>7.54</b>	kW	Tj = +2°C	COPd	3.50	-
Tj = +7°C	Pdh	<b>4.85</b>	kW	Tj = +7°C	COPd	4.33	-
Tj = +12°C	Pdh	<b>2.15</b>	kW	Tj = +12°C	COPd	6.97	-
Tj = bivalent temperature	Pdh	<b>12.38</b>	kW	Tj = bivalent temperature	COPd	2.06	-
Tj = operation limit temperature	Pdh	<b>10.50</b>	kW	Tj = operation limit temperature	COPd	1.80	-
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	<b>Tfc&gt;iv</b>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	<b>Ppsych</b>	-	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 mode				Supplementary heater			
Off mode	P OFF	0.020	kW	Rated heat output (*)	Psup	3.5	kW
Thermostat-off mode	P <sup>TO</sup>	0.030	kW	Type of energy input	Electricity		
Standby mode	P <sup>SB</sup>	0.020	kW				
Crankcase heater mode	P <sup>CK</sup>	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h
Sound power level, indoors/outdoors	LWA	43/65	dB	For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	<b>8380</b>	kWh				
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						
<p>(*) 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).</p> <p>(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.9</p>							

## Product Fiche

Technical parameters							
Model(s):		Outdoor unit: ACHP-H14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-I					
Air-to-water heat pump:		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					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	Prated	12.6	kW	Seasonal space heating energy efficiency	0s	159	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	7.96	kW	Tj = -7°C	COPd	3.44	-
Tj = +2°C	Pdh	5.05	kW	Tj = +2°C	COPd	4.92	-
Tj = +7°C	Pdh	3.15	kW	Tj = +7°C	COPd	6.11	-
Tj = +12°C	Pdh	3.57	kW	Tj = +12°C	COPd	7.82	-
Tj = bivalent temperature	Pdh	10.31	kW	Tj = bivalent temperature	COPd	2.53	-
Tj = operation limit temperature	Pdh	7.57	kW	Tj = operation limit temperature	COPd	1.92	-
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	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	P <sub>OFF</sub>	0.020	kW	Rated heat output (*)	P <sub>sup</sub>	5.03	kW
Thermostat-off mode	P <sub>TO</sub>	0.030	kW				
Standby mode	P <sub>SB</sub>	0.020	kW				
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Type of energy input							
Electricity							
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m <sup>3</sup> /h
Sound power level, indoors/outdoors	LWA	-	dB	For water-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /h
Annual energy consumption	Q <sub>HE</sub>	7685	kWh				
For heat pump combination heater							
Declared load profile	-			Water heating energy efficiency	H <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>elec</sub>	-	kWh	Daily fuel consumption	Q <sub>bel</sub>	-	kWh
Contact details	AUX Co., Ltd 1166 Mingguang North Road, Jiangshan Yinzhou District, Ningbo, 315191 Zhejiang, China						
<p>(*) 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).</p> <p>(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9</p>							

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Technical parameters							
Model(s):		Outdoor unit: ACHP-H14/5R3HA-O Indoor unit: ACHP-H14/5R3HA-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					
Heat pump combination heater:		no					
Declared climate condition		Colder					
Declared temperature application		Medium					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	Prated	11.0	kW	Seasonal space heating energy efficiency	%	<b>118</b>	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	6.89	kW	Tj = -7°C	COPd	2.66	-
Tj = +2°C	Pdh	4.32	kW	Tj = +2°C	COPd	3.66	-
Tj = +7°C	Pdh	3.06	kW	Tj = +7°C	COPd	4.72	-
Tj = +12°C	Pdh	3.33	kW	Tj = +12°C	COPd	6.25	-
Tj = bivalent temperature	Pdh	8.94	kW	Tj = bivalent temperature	COPd	1.79	-
Tj = operation limit temperature	Pdh	4.20	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	Ppsych	-	kW	Cycling interval efficiency	COPpsych	-	-
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	6.80	kW
Thermostat-off mode	P <sub>TO</sub>	0.030	kW				
Standby mode	P <sub>SB</sub>	0.020	kW	Type of energy input Electricity			
Crankcase heater mode	P <sub>CK</sub>	0.000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	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 exchanger	-	-	m <sup>3</sup> /h
Annual energy consumption	QHE	8937	kWh				
For heat pump combination heater							
Declaed load profile	-			Water heating energy efficiency	Hwh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Q <sub>bel</sub>	-	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							