# Product Fiche

| Technical parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): | Outdoor unit: ACHP-H 10/4R3HA-O Indoor unit: ACHP-H10/5R3HA-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 | 8.6 | kW | Seasonal space heating energy efficiency | | **266** | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coeffient 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 | **8.20** | kW | Tj= +2°C | COPd | 3.84 | - |
| Tj = +7°C | Pdh | **5.53** | kW | Tj= +7°C | COPd | 6.18 | - |
| Tj = +12°C | Pdh | **2.46** | kW | Tj=+12°C | COPd | 9.04 | - |
| Tj = bivalent temperature | Pdh | **5.53** | kW | Tj = bivalent temperature | COPd | 6.18 | - |
| Tj = operation limit temperature | Pdh | **8.20** | kW | Tj = operation limit temperature | COPd | 3.84 | - |
| 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 | 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 mode | | | | Supplemantary heater | | | |
| Off mode | $P_{OFF}$ | 0.020 | kW | Rated heat output (*) | Psup | **0.4** | kW |
| Thermostat-off mode | **PTO** | 0.030 | kW | Type of energy input | Electricity | | |
| Standby mode | $P_{SB}$ | 0.020 | kW | | | | |
| Crankcase heater mode | P CK | 0.000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated airflow rate, outdoors | - | 4000 | $m^3/h$ |
| Sound power level, indoors/outdoors | LWA | - | dB | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger | - | - | $m^3/h$ |
| Annual energy consumption | **QHE** | **1709** | 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<br>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

# Product Fiche

| Technical parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): | Outdoor unit：ACHP-Hl0/4R3HA-O Indoor unit: ACHP-H10/5R3HA-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 | | **150** | % |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj | | | | Declared coeffient 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 | 8.17 | kW | Tj = +2°C | COPd | 2.16 | - |
| Tj = +7°C | Pdh | 9.1 | kW | Tj = +7°C | COPd | 3.73 | - |
| Tj = +12°C | Pdh | 4.29 | kW | Tj = +12°C | COPd | 5.57 | - |
| Tj = bivalent temperature | Pdh | 9.1 | kW | Tj = bivalent temperature | COPd | 3.73 | - |
| Tj = operation limit temperature | Pdh | 8.17 | kW | Tj = operation limit temperature | COPd | 2.16 | - |
| 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 mode | | | | Supplemantary heater | | | |
| Off mode | POFF | 0.020 | kW | Rated heat output (*) | Psup | 2.47 | kW |
| Thermostat-off mode | PTO | 0.030 | kW | Type of energy input | Electricity | | |
| Standby mode | PSB | 0.020 | kW | | | | |
| Crankcase heater mode | PcK | 0.000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 4000 | $m^3/h$ |
| Sound power level, indoors/outdoors | LWA | - | dB | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger | - | - | $m^3/h$ |
| Annual energy consumption | QHE | 4905 | 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<br>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

# Product Fiche

| Technical parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): | Outdoor unit: ACHP-H 10/4R3HA-O Indoor unit: ACHP-H10/5R3HA-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 | 9.2 | kW | Seasonal space heating energy efficiency | Hs | 198 | % |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj | | | | Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj | | | |
| Tj = -7°C | Pdh | 8.14 | kW | Tj = -7°C | COPd | 3.17 | - |
| Tj = +2°C | Pdh | **4.95** | kW | Tj= +2°C | COPd | 5.02 | - |
| Tj = +7°C | Pdh | **3.18** | kW | Tj= +7°C | COPd | 6.60 | - |
| Tj = +12°C | Pdh | **1.42** | kW | Tj=+12°C | COPd | 8.33 | - |
| Tj = bivalent temperature | Pdh | 8.14 | kW | Tj = bivalent temperature | COPd | 3.17 | - |
| Tj = operation limit temperature | Pdh | **7.40** | kW | Tj = operation limit temperature | COPd | 2.86 | - |
| 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 than active mode | | | | Supplemantary heater | | | |
| Off mode | $P_{OFF}$ | 0.020 | kW | Rated heat output (*) | Psup | 1.8 | kW |
| Thermostat-off mode | **PTO** | 0.030 | kW | Type of energy input | Electricity | | |
| Standby mode | $P_{SB}$ | 0.020 | kW | | | | |
| Crankcase heater mode | P CK | 0.000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated airflow rate, outdoors | - | 4000 | $m^3/h$ |
| Sound power level, indoors/outdoors | LWA | - | dB | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger | - | - | $m^3/h$ |
| Annual energy consumption | **QHE** | 3752 | 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<br>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

# Product Fiche

| Technical parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): | Outdoor unit：ACHP-Hl0/4R3HA-O Indoor unit: ACHP-H10/5R3HA-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 | 7.7 | kW | Seasonal space heating energy efficiency | Hs | **135** | % |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj | | | | Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj | | | |
| Tj = -7°C | Pdh | 6.81 | kW | Tj = -7°C | COPd | 2.03 | - |
| Tj = +2°C | Pdh | **4.15** | kW | Tj= +2°C | COPd | 3.46 | - |
| Tj = +7°C | Pdh | **2.67** | kW | Tj= +7°C | COPd | 4.71 | - |
| Tj = +12°C | Pdh | **1.18** | kW | Tj=+12°C | COPd | 7.01 | - |
| Tj = bivalent temperature | Pdh | 6.81 | kW | Tj = bivalent temperature | COPd | 2.03 | - |
| Tj = operation limit temperature | Pdh | **5.23** | kW | Tj = operation limit temperature | COPd | 1.63 | - |
| 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 than active mode | | | | Supplemantary heater | | | |
| Off mode | $^{P}$OFF | 0.020 | kW | Rated heat output (*) | Psup | 2.47 | kW |
| Thermostat-off mode | **PTO** | 0.030 | kW | Type of energy input | Electricity | | |
| Standby mode | $^{P}$SB | 0.020 | kW | | | | |
| Crankcase heater mode | P CK | 0.000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated airflow rate, outdoors | - | 4000 | $m^3/h$ |
| Sound power level, indoors/outdoors | LWA | 42/60 | dB | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger | - | - | $m^3/h$ |
| Annual energy consumption | **QHE** | **4618** | 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<br>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

# Product Fiche

| Technical parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): | Outdoor unit：ACHP-Hl0/4R3HA-O Indoor unit: ACHP-H10/5R3HA-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 | Low | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output(*) | Prated | 7.7 | kW | Seasonal space heating energy efficiency | Hs | 168 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj | | | |
| Tj = -7°C | Pdh | 4.83 | kW | Tj = -7°C | COPd | 3.60 | - |
| Tj = +2°C | Pdh | 2.94 | kW | Tj = +2°C | COPd | 5.26 | - |
| Tj = +7°C | Pdh | 1.92 | kW | Tj = +7°C | COPd | 7.08 | - |
| Tj = +12°C | Pdh | 1.65 | kW | Tj = +12°C | COPd | 7.96 | - |
| Tj = bivalent temperature | Pdh | 6.32 | kW | Tj = bivalent temperature | COPd | 2.64 | - |
| Tj = operation limit temperature | Pdh | 4.62 | 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 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 mode | | | | Supplemantary heater | | | |
| Off mode | POFF | 0.020 | kW | Rated heat output (*) | Psup | 3.08 | kW |
| Thermostat-off mode | P TQ | 0.030 | kW | Type of energy input | Electricity | | |
| Standby mode | PSB | 0.020 | kW | | | | |
| Crankcase heater mode | PcK | 0.000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 4000 | $m^3/h$ |
| Sound power level, indoors/outdoors | LWA | - | dB | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger | - | - | $m^3/h$ |
| Annual energy consumption | QHE | **4439** | 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<br>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

# Product Fiche

| Technical parameters | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): | Outdoor unit：ACHP-H10/4R3HA-O Indoor unit： ACHP-H10/5R3HA-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 | 6.7 | kW | Seasonal space heating energy efficiency | Hs | **116** | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coeffient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj | | | |
| Tj = -7°C | Pdh | 4.27 | kW | Tj = -7°C | COPd | 2.54 | - |
| Tj = +2°C | Pdh | 2.57 | kW | Tj = +2°C | COPd | 3.51 | - |
| Tj = +7°C | Pdh | 1.65 | kW | Tj = +7°C | COPd | 4.37 | - |
| Tj = +12°C | Pdh | 1.48 | kW | Tj = +12°C | COPd | 5.96 | - |
| Tj = bivalent temperature | Pdh | 5.47 | kW | Tj = bivalent temperature | COPd | 2.00 | - |
| 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 | COPcyc | - | - |
| Degradation co-efficient(**) | Cdh | 0.9 | - | Heating water operating limit temperature | WTOL | 52 | °C |
| Power consumption in modes other than active mode | | | | Supplemantary heater | | | |
| Off mode | POFF | 0.020 | kW | Rated heat output (*) | Psup | 3.9 | kW |
| Thermostat-off mode | PTO | 0.030 | kW | Type of energy input | Electricity | | |
| Standby mode | PSB | 0.020 | kW | | | | |
| Crankcase heater mode | PCK | 0.000 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 4000 | $m^3/h$ |
| Sound power level, indoors/outdoors | LWA | - | dB | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger | - | - | $m^3/h$ |
| Annual energy consumption | QHE | **5574** | kWh | | | | |
| For heat pump combination heater | | | | | | | |
| Declaed load profile | - | | | Water heating energy efficiency | Qwh | - | % |
| Daily electricity consumption | Qelec | - | kWh | Daily fuel consumption | Qfuel | - | kWh |
| Contact details | AUX Co., Ltd<br>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