

## Product Fiche

| Technical parameters  |   |  |      |   |             |       |      |
|---|---|--|------|---|-------------|-------|------|
| Model(s):   |   | Outdoor unit: ACHP-H16/5R3HA-O Indoor unit: ACHP-H16/5R3HA-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  | 13.1   | kW   | Seasonal space heating energy efficiency  | Hs          | 240   | %    |
| 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   | 12.97  | kW   | Tj = +2°C   | COPd        | 3.35  | -    |
| Tj = +7°C   | Pdh   | 8.41   | kW   | Tj = +7°C   | COPd        | 5.36  | -    |
| Tj = +12°C  | Pdh   | 3.87   | kW   | Tj = +12°C  | COPd        | 8.11  | -    |
| Tj = bivalent temperature   | Pdh   | 8.41   | kW   | Tj = bivalent temperature   | COPd        | 5.36  | -    |
| Tj = operation limit temperature  | Pdh   | 12.97  | kW   | Tj = operation limit temperature  | COPd        | 3.35  | -    |
| 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   | Peych   | -  | 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        | 0.13  | kW   |
| Thermostat-off mode   | P TO  | 0.030  | kW   | Type of energy input  | Electricity |       |      |
| Standby mode  | P SB  | 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  | -           | 4650  | m³/h |
| Sound power level, indoors/outdoors   | LWA   | -  | dB   | For water-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger   | -           | -     | m³/h |
| Annual energy consumption   | QHE   | 2884   | kWh  |   |             |       |      |
| For heat pump combination heater  |   |  |      |   |             |       |      |
| Declared load profile   | -   |  |      | Water heating energy efficiency   | Owh         | -     | %    |
| 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 |  |      |   |             |       |      |
| <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-Hi6/5R3HA-O Indoor unit: ACHP-H16/5R3HA-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   |   | 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          | 171   | %    |
| 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   | 13.89  | kW   | Tj = +2°C   | COPd        | 2.58  | -    |
| Tj = +7°C  | Pdh   | 9.06   | kW   | Tj = +7°C   | COPd        | 3.63  | -    |
| Tj = +12°C   | Pdh   | 4.17   | kW   | Tj = +12°C  | COPd        | 5.91  | -    |
| Tj = bivalent temperature  | Pdh   | 9.06   | kW   | Tj = bivalent temperature   | COPd        | 3.63  | -    |
| Tj = operation limit temperature   | Pdh   | 13.89  | kW   | Tj = operation limit temperature  | COPd        | 2.58  | -    |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)   | Pdh   | -  | kW   | For air-to-water heat pumps: Tj = -15°C (if TOL < -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  | Psych   | -  | 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 SB  | 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  | -           | 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   | 4331   | kWh  |   |             |       |      |
| For heat pump combination heater   |   |  |      |   |             |       |      |
| Declared 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).<br>(**) 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-H 16/5R3HA-O Indoor unit: ACHP-H16/5R3HA-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  | 16.1  | kW   | Seasonal space heating energy efficiency  | %      | <b>190</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   | 14.24   | kW   | Tj = -7°C   | COPd   | 3.04       | -                 |
| Tj = +2°C   | Pdh   | 8.67  | kW   | Tj = +2°C   | COPd   | 4.70       | -                 |
| Tj = +7°C   | Pdh   | 5.57  | kW   | Tj = +7°C   | COPd   | 6.62       | -                 |
| Tj = +12°C  | Pdh   | 2.48  | kW   | Tj = +12°C  | COPd   | 8.91       | -                 |
| Tj = bivalent temperature   | Pdh   | 14.24   | kW   | Tj = bivalent temperature   | COPd   | 3.04       | -                 |
| Tj = operation limit temperature  | Pdh   | 12.31   | kW   | Tj = operation limit temperature  | COPd   | 2.67       | -                 |
| 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  | <sup>o</sup> OFF  | 0.020   | kW   | Rated heat output (*)   | Psup   | 3.79       | kW                |
| Thermostat-off mode   | <sup>P</sup> TO   | 0.030   | kW   |   |        |            |                   |
| Standby mode  | <sup>s</sup> SB   | 0.020   | kW   |   |        |            |                   |
| Crankcase heater mode   | <sup>P</sup> CK   | 0.000   | kW   |   |        |            |                   |
| Other items   |   |   |      | Type of energy input  |        |            |                   |
| 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   | 43/68   | 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   | 6892  | kWh  |   |        |            |                   |
| For heat pump combination heater  |   |   |      |   |        |            |                   |
| Declaed load profile  | -   |   |      | Water heating energy efficiency   | Hwh    | -          | %                 |
| Daily electricity consumption   | Qelec   | -   | kWh  | Daily fuel consumption  | Qfbel  | -          | 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 |   |   |      |   |        |            |                   |

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| Technical parameters  |   |  |      |   |             |       |      |
|---|---|--|------|---|-------------|-------|------|
| Model(s):   |   | Outdoor unit: ACHP-H16/5R3HA-O Indoor unit: ACHP-H16/5R3HA-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  | Hs          | 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   | 12.38  | kW   | Tj = -7°C   | COPd        | 2.06  | -    |
| Tj = +2°C   | Pdh   | 7.54   | kW   | Tj = +2°C   | COPd        | 3.50  | -    |
| Tj = +7°C   | Pdh   | 4.85   | kW   | Tj = +7°C   | COPd        | 4.33  | -    |
| Tj = +12°C  | Pdh   | 2.15   | kW   | Tj = +12°C  | COPd        | 6.97  | -    |
| Tj = bivalent temperature   | Pdh   | 12.38  | kW   | Tj = bivalent temperature   | COPd        | 2.06  | -    |
| Tj = operation limit temperature  | Pdh   | 10.50  | 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  | Tbiv  | -7   | °C   | For air-to-water heat pumps: Operation limit temperature  | TOL         | -10   | °C   |
| Cycling interval capacity for heating   | Pcyeh   | -  | 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        | 3.5   | kW   |
| Thermostat-off mode   | PRO   | 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  | -           | 4650  | m³/h |
| Sound power level, indoors/outdoors   | LWA   | 43/68  | dB   | For water-/brine-to-water heat pumps:Rated brine or water flow rate, outdoor heat exchanger                                     | -           | -     | m³/h |
| Annual energy consumption   | QHE   | 8380   | kWh  |   |             |       |      |
| For heat pump combination heater  |   |  |      |   |             |       |      |
| Declared load profile   | -   |  |      | Water heating energy efficiency   | Hwh         | -     | %    |
| Daily electricity consumption   | Qelec   | -  | kWh  | Daily fuel consumption  | Qfbel       | -     | 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).<br>(**) 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-HI6/5R3HA-O Indoor unit: ACHP-HI6/5R3HA-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  | 13.7   | kW   | Seasonal space heating energy efficiency  | %                 | 157   | %                 |
| 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   | 8.31   | kW   | Tj = -7°C   | COPd              | 3.37  | -                 |
| Tj = +2°C  | Pdh   | 5.26   | kW   | Tj = +2°C   | COPd              | 4.86  | -                 |
| Tj = +7°C  | Pdh   | 3.62   | kW   | Tj = +7°C   | COPd              | 6.49  | -                 |
| Tj = +12°C   | Pdh   | 3.34   | kW   | Tj = +12°C  | COPd              | 7.40  | -                 |
| Tj = bivalent temperature  | Pdh   | 11.22  | kW   | Tj = bivalent temperature   | COPd              | 2.43  | -                 |
| Tj = operation limit temperature   | Pdh   | 8.88   | 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  | Pcyc  | -  | 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>  | 4.82  | 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   |   |                   |       |                   |
| 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   | <b>8438</b>  | kWh  |   |                   |       |                   |
| For heat pump combination heater   |   |  |      |   |                   |       |                   |
| Declaed load profile   | -   |  |      | Water heating energy efficiency   | Q <sub>wh</sub>   | -     | %                 |
| Daily electricity consumption  | Q <sub>elec</sub>   | -  | kWh  | Daily fuel consumption  | Q <sub>fuel</sub> | -     | kWh               |
| Contact details  | AUX Co., Ltd<br>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-H16/5R3HA-O Indoor unit: ACHP-H16/5R3HA-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   |   | Medium   |      |   |             |            |      |
| Item   | Symbol  | Value  | Unit | Item  | Symbol      | Value      | Unit |
| Rated heat output(*)   | Prated  | 11.8   | kW   | Seasonal space heating energy efficiency  | As          | <b>121</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   | 7.64   | kW   | Tj = -7°C   | COPd        | 2.65       | -    |
| Tj = +2°C  | Pdh   | 4.42   | kW   | Tj = +2°C   | COPd        | 3.79       | -    |
| Tj = +7°C  | Pdh   | 2.97   | kW   | Tj = +7°C   | COPd        | 4.81       | -    |
| Tj = +12°C   | Pdh   | 3.43   | kW   | Tj = +12°C  | COPd        | 6.29       | -    |
| Tj = bivalent temperature  | Pdh   | 9.61   | kW   | Tj = bivalent temperature   | COPd        | 1.86       | -    |
| Tj = operation limit temperature   | Pdh   | 5.21   | kW   | Tj = operation limit temperature  | COPd        | 1.23       | -    |
| 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   | COPeyc      | -          | -    |
| 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 OFF   | 0.020  | kW   | Rated heat output (*)   | Psup        | 6.59       | kW   |
| Thermostat-off mode  | PTO   | 0.030  | kW   | Type of energy input  | Electricity |            |      |
| Standby mode   | PSB   | 0.020  | kW   |   |             |            |      |
| Crankcase heater mode  | PK  | 0.000  | kW   |   |             |            |      |
| Other items  |   |  |      |   |             |            |      |
| Capacity control   | Variable  |  |      | For air-to-water heat pumps: Rated air flow rate, outdoors  | -           | 4000       | 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>9362</b>  | kWh  |   |             |            |      |
| For heat pump combination heater   |   |  |      |   |             |            |      |
| Declared load profile  | -   |  |      | Water heating energy efficiency   | Owh         | -          | %    |
| Daily electricity consumption  | Qelec   | -  | kWh  | Daily fuel consumption  | Qfuel       | -          | kWh  |
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| (*) 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).<br>(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9 |   |  |      |   |             |            |      |