| Web Information | |
|---|---|
| Model | HU161H U32 (AHUW166T0) <br> HN1610H NK2 (AHNW166T0) |
| Air-to-water heat pump | Yes |
| Low-temperature heat pump | No |
| Equipped with a supplementary heater | No |
| Heat pump combination heater | No |

| Conditions specification | | |
|---|---|---|
| | Reference heating season: | Average |
| | Outlet water temperature | Variable |
| | Compressor speed control | Inverter |
| | Capacity control | Variable |

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps.
For low-temperature heat pump, parameters shall be declared for low-temperature application.

Parameters shall be declared for average climate conditions

| Item | | | | Value | Unit |
|---|---|---|---|---|---|
| Rated heat output (*) | | *Prated* | Low temp. | 13 | kW |
| | | | Medium temp. | 11 | |
| Seasonal space heating energy efficiency | | *ηs* | Low temp. | 125 | % |
| | | | Medium temp. | 113 | |
| Seasonal space heating energy efficiency class | | - | Low temp. | A+ | - |
| | | | Medium temp. | A+ | |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j | T j = – 7 °C | *Pdh* | Low temp. | 11.7 | kW |
| | | | Medium temp. | 9.7 | |
| | T j = +2 °C | | Low temp. | 7.6 | |
| | | | Medium temp. | 6.3 | |
| | T j = +7 °C | | Low temp. | 5.1 | |
| | | | Medium temp. | 6.8 | |
| | T j = +12°C | | Low temp. | 5.7 | |
| | | | Medium temp. | 7.6 | |
| | T j = bivalent temperature | | Low temp. | 13.5 | |
| | | | Medium temp. | 10.8 | |
| | T j = operation limit temperature | | Low temp. | 13.5 | |
| | | | Medium temp. | 10.8 | |
| Bivalent temperature | | $T_{bivalent}$ | Low temp. | -10 | °C |
| | | | Medium temp. | -10 | |
| Degradation co-efficient (**) <br> ( T j = – 7,+2, +7,+12,TOL,Tbiv °C) | | *Cdh* | - | 0.9 | - |
| Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T j | T j = – 7 °C | *COPd* | Low temp. | 2.02 | - |
| | | | Medium temp. | 2.43 | |
| | T j = +2 °C | | Low temp. | 3.32 | |
| | | | Medium temp. | 3.38 | |
| | T j = +7 °C | | Low temp. | 4.19 | |
| | | | Medium temp. | 2.98 | |
| | T j = +12°C | | Low temp. | 3.77 | |
| | | | Medium temp. | 3.31 | |
| | T j = bivalent temperature | | Low temp. | 1.87 | |
| | | | Medium temp. | 1.45 | |
| | T j = operation limit temperature | | Low temp. | 1.87 | |
| | | | Medium temp. | 1.45 | |
| Operation limit temperature | | | | -15 | °C |
| Heating water operating limit temperature | | | | 57 | °C |
| Supplementary heater | | *Psup* | Rated heat output(*) | 0.0 | kW |
| | | | Type of energy input | - | |
| Sound power level | | L$_{WA}$ | Indoor | 57 | dB |
| | | | Outdoor | 68 | |
| Rated air flow rate,outdoors | | | Low temp. | 7200 | ㎥/h |
| | | | Medium temp. | 7200 | |
| Annual energy consumption | | Q$_{HE}$ | Low temp. | 8688 | kWh |
| | | | Medium temp. | 7693 | |
| Power consumption in modes other than active mode | | | Off mode | 0.080 | kW |
| | | | Thermostat off mode | 0.080 | |
| | | | Standby mode | 0.080 | |
| | | | Crankcaseheater mode | 0.000 | |
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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).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.