

| Model(s): = EWYS4004ZXSB2 | | | |
|---|--------|--------|-----------|
| Air-to-water heat pump: Yes | | | |
| Water-to-water heat pump: No | | | |
| Brine-to-water heat pump: No | | | |
| Low-temperature heat pump: Yes | | | |
| Equipped with a supplementary heater: No | | | |
| Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application. | | | |
| Parameters shall be declared for average, colder and warmer climate conditions. | | | |
| Item | Symbol | Value | Unit |
| Rated heat output (3) | Prated | 377.16 | kW |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj | | | |
| Tj = - 7 °C | Pdh | 264.26 | kW |
| Tj = + 2 °C | Pdh | 203.31 | kW |
| Tj = + 7 °C | Pdh | 130.61 | kW |
| Tj = + 12 °C | Pdh | 90.02 | kW |
| Tj = bivalent temperature | Pdh | 290.12 | kW |
| Tj = operation limit temperature | Pdh | 239.23 | kW |
| For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C) | Pdh | | kW |
| Bivalent temperature | Tbiv | -4 | °C |
| Cycling interval capacity for heating | Psych | | kW |
| Degradation co-efficient (4) | Cdc | 0.9 | — |
| Power consumption in modes other than active mode | | | |
| Off mode | POFF | 0 | kW |
| Thermostat-off mode | PTO | 0.4 | kW |
| Standby mode | PSB | 0.1 | kW |
| Crankcase heater mode | PCK | 0.25 | kW |
| Other items | | | |
| Capacity control | Step | | |
| Sound power level, outdoor | LWA | 99 | dB |
| Annual energy consumption | QHE | 242745 | kWh or GJ |
| Standard rating conditions used: Low Temp Application | | | |
| Declared load profile | | | |
| Daily electricity consumption | Qelec | | |
| Annual electricity consumption | AEC | | |
| Contact details | | | |
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| Item | Symbol | Value | Unit |
|---|--|--------|-------------------|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | 125 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj | | | |
| Tj = - 7 °C | COPd or PERd | 2.55 | |
| Tj = + 2 °C | COPd or PERd | 3.07 | |
| Tj = + 7 °C | COPd or PERd | 4.16 | |
| Tj = + 12 °C | COPd or PERd | 3.95 | |
| Tj = bivalent temperature | COPd or PERd | 2.84 | |
| Tj = operation limit temperature | COPd or PERd | 2.28 | |
| For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C) | COPd or PERd | | |
| For air-to-water heat pumps: Operation limit temperature | TOL | -10 | |
| Cycling interval efficiency | COP _{cycle} or PER _{cycle} | | |
| Heating water operating limit temperature | WTOL | 60 | |
| Equipped with a supplementary heater: | | | |
| Rated heat output (4) | Psup | 137.93 | kW |
| Type of energy input | | | |
| Electrical | | | |
| For air-to-water heat pumps: Rated air flow rate, outdoors | | | |
| | | 203580 | m ³ /h |
| For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | | | |
| | | | m ³ /h |
| Water heating energy efficiency | | | |
| Daily fuel consumption | Q _{fuel} | | kWh |
| Annual fuel consumption | AFC | | GJ |

(3) 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)'.
(4) If 'Cdh' is not determined by measurement then the default degradation coefficient is 'Cdh'= 0.9.