| Information requirements for comfort chillers | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Model(s): CCWF1200UVN11 | | | | | | | | |
| Outdoor side heat exchanger of chiller: water | | | | | | | | |
| Indoor side heat exchanger chiller: water | | | | | | | | |
| Type: compressor driven vapour compression | | | | | | | | |
| If applicable: driver of compressor:electric motor | | | | | | | | |
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 4219.0 | kW | | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 356.8 | % |
| Declared cooling capactiy for part load at given outdoor temperatures $T_j$ | | | | | Declared energy efficiency ratio or gas utilisation efficiency/ auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$=+35℃ | $P_{dc}$ | 4216.1 | kW | | Tj=+35℃ | $EER_d$ | 5.7 | kW/kW |
| $T_j$=+30℃ | $P_{dc}$ | 3107.2 | kW | | Tj=+30℃ | $EER_d$ | 7.3 | kW/kW |
| $T_j$=+25℃ | $P_{dc}$ | 2825.9 | kW | | Tj=+25℃ | $EER_d$ | 9.0 | kW/kW |
| $T_j$=+20℃ | $P_{dc}$ | 1390.9 | kW | | Tj=+20℃ | $EER_d$ | 13.7 | kW/kW |
| | | | | | | | | |
| Degradation co efficient for chillers (*) | $C_{dc}$ | 0.9 | - | | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | | |
| Off mode | $P_{OFF}$ | 0.000 | kW | | Crankcase heater mode | $P_{CK}$ | 0.000 | kW |
| Thermostat-off mode | $P_{TO}$ | 0.108 | kW | | Standby mode | $P_{SB}$ | 0.000 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-water comfort chillers: air flow rate, outdoor measured | - | - | m3/h |
| Sound power level, outdoor | $L_{WA}$ | 102 | dB | | For water/brine to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger | - | 724 | m3/h |
| Emissions of nitrogen oxides (if applicable) | NOx (**) | - | mg/kWh input GCV | | | | | |
| GWP of the refrigerant | | 631 | kg $CO_{2\,eq}$ (100 years) | | | | | |
| Standard rating conditions used: low temperature application | | | | | | | | |
| Contact details | Chongqing Midea General Refrigeration Equipment Co., Ltd.<br>No.15 Qiangwei Road, Nan'an District, Chongqing, People's Republic of China | | | | | | | |