**Information requirements**

**(air-to-air air conditioners)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s):GMV-280WL/C1-X | | | | | | | |
| Outdoor side heat exchanger of air conditioner | air | | | | | | |
| Indoor side heat exchanger of air conditioner | air | | | | | | |
| Type | compressor driven vapour compression | | | | | | |
| If applicable: driver of compressor | electric motor | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 28.00 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 251.4 | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19 °C (dry/wet bulb) | | | | Declared energy efficiency ratio for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = + 35 °C | Pdc | 28.00 | kW | $T_j$ = + 35 °C | $EER_d$ | 2.15 | - |
| $T_j$ = + 30 °C | Pdc | 20.00 | kW | $T_j$ = + 30 °C | $EER_d$ | 4.10 | - |
| $T_j$ = + 25 °C | Pdc | 12.60 | kW | $T_j$ = + 25 °C | $EER_d$ | 8.60 | - |
| $T_j$ = + 20 °C | Pdc | 6.20 | kW | $T_j$ = + 20 °C | $EER_d$ | 18.00 | - |
| Degradation co-efficient for air conditioners(*) | $C_{dc}$ | 0.25 | — | | | | - |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | 0.025 | kW | Crankcase heater mode | $P_{CK}$ | 0.045 | kW |
| Thermostat-off mode | $P_{TO}$ | 0.040 | kW | Standby mode | $P_{SB}$ | 0.025 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | — | 11000 | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | 80.00 | dB | | | | |
| If engine driven: Emissions of nitrogen oxides | NOx(**) | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | 2088 | | kg $CO_2$ eq (100 years) | | | | |
| Contact details:<br>West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070 | | | | Name of manufacturer:<br>GREE ELECTRIC APPLIANCES,INC. OF ZHUHAI | | | |
| (*) If $C_{dc}$ is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25. (**) From 26 September 2018. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

**Information requirements**
**(heat pump)**

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|---|---|---|---|---|---|---|---|
| Model(s): GMV-280WL/C1-X | | | | | | | |
| Outdoor side heat exchanger of heat pump | air | | | | | | |
| Indoor side heat exchanger of heat pump | air | | | | | | |
| Indication if the heater is equipped with a supplementary heater | no | | | | | | |
| If applicable: driver of compressor | electric motor | | | | | | |
| Parameters declared for | Average climate condition | | | | | | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| Rated heating capacity | $P_{rated,h}$ | 28.00 | kW | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 184.2 | % |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance for part load at given outdoor temperatures Tj | | | |
| $T_j$ = – 7 °C | Pdh | 15.40 | kW | $T_j$ = – 7 °C | $COP_d$ | 2.75 | - |
| $T_j$ = + 2 °C | Pdh | 9.50 | kW | $T_j$ = + 2 °C | $COP_d$ | 4.20 | - |
| $T_j$ = + 7 °C | Pdh | 6.10 | kW | $T_j$ = + 7 °C | $COP_d$ | 7.50 | - |
| $T_j$ = + 12 °C | Pdh | 5.80 | kW | $T_j$ = + 12 °C | $COP_d$ | 9.50 | - |
| $T_{biv}$ = bivalent temperature | Pdh | 15.40 | kW | $T_{biv}$ = bivalent temperature | $COP_d$ | 2.75 | - |
| $T_{OL}$ = operation limit | Pdh | 18.00 | kW | $T_{OL}$ = operation limit | $COP_d$ | 2.61 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | - | kW | Tj = – 15 °C (if TOL < – 20 °C) | $COP_d$ | - | - |
| Bivalent temperature | $T_{biv}$ | -7.00 | °C | Operation limit temperature | $T_{ol}$ | -10.00 | °C |
| Degradation co-efficient heat pumps(**) | $C_{dh}$ | 0.25 | — | | | | |
| Power consumption in modes other than 'active mode' | | | | Supplementary heater | | | |
| Off mode | $P_{OFF}$ | 0.030 | kW | Back-up heating capacity (*) | elbu | 0 | kW |
| Thermostat-off mode | $P_{TO}$ | 0.055 | kW | Type of energy input | Electric | | |
| Crankcase heater mode | $P_{CK}$ | 0.045 | kW | Standby mode | $P_{SB}$ | 0.030 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | air flow rate, outdoor measured | — | 11000 | $m^3/h$ |
| Sound power level, indoor/outdoor measured | $L_{WA}$ | -/82.00 | dB | | | | |
| Emissions of nitrogen oxides (if applicable) | NOx(***) | - | mg/kWh input GCV | Rated brine or water flow rate, outdoor side heat exchanger | — | - | $m^3/h$ |
| GWP of the refrigerant | 2088 | | kg $CO_2$ eq (100 years) | | | | |
| Contact details:<br>West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070 | | | | Name of manufacturer:<br>GREE ELECTRIC APPLIANCES,INC. OF ZHUHAI | | | |

(*)
(**) If Cdh is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
(***) From 26 September 2018.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

**Information requirements**
**(heat pump)**

| Model(s): GMV-280WL/C1-X | | | | | | | |
|---|---|---|---|---|---|---|---|
| Outdoor side heat exchanger of heat pump | air | | | | | | |
| Indoor side heat exchanger of heat pump | air | | | | | | |
| Indication if the heater is equipped with a supplementary heater | no | | | | | | |
| If applicable: driver of compressor | electric motor | | | | | | |
| Parameters declared for | Warmer climate condition | | | | | | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| Rated heating capacity | $P_{rated,h}$ | 28.00 | kW | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 263.8 | % |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance for part load at given outdoor temperatures Tj | | | |
| $T_j$ = – 7 °C | Pdh | - | kW | $T_j$ = – 7 °C | $COP_d$ | - | - |
| $T_j$ = + 2 °C | Pdh | 21.00 | kW | $T_j$ = + 2 °C | $COP_d$ | 2.80 | - |
| $T_j$ = + 7 °C | Pdh | 14.00 | kW | $T_j$ = + 7 °C | $COP_d$ | 6.00 | - |
| $T_j$ = + 12 °C | Pdh | 6.20 | kW | $T_j$ = + 12 °C | $COP_d$ | 8.70 | - |
| $T_{biv}$ = bivalent temperature | Pdh | 21.00 | kW | $T_{biv}$ = bivalent temperature | $COP_d$ | 2.80 | - |
| $T_{OL}$ = operation limit | Pdh | 21.00 | kW | $T_{OL}$ = operation limit | $COP_d$ | 2.80 | - |
| Tj = – 15 °C (if TOL < – 20 °C) | Pdh | - | kW | Tj = – 15 °C (if TOL < – 20 °C) | $COP_d$ | - | - |
| Bivalent temperature | $T_{biv}$ | 2.00 | °C | Operation limit temperature | $T_{ol}$ | 2.00 | °C |
| Degradation co-efficient heat pumps(**) | $C_{dh}$ | 0.25 | — | | | | |
| Power consumption in modes other than 'active mode' | | | | Supplementary heater | | | |
| Off mode | $P_{OFF}$ | 0.030 | kW | Back-up heating capacity (*) | elbu | 0 | kW |
| Thermostat-off mode | $P_{TO}$ | 0.055 | kW | Type of energy input | Electric | | |
| Crankcase heater mode | $P_{CK}$ | 0.045 | kW | Standby mode | $P_{SB}$ | 0.030 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | air flow rate, outdoor measured | — | 11000 | $m^3/h$ |
| Sound power level, indoor/outdoor measured | $L_{WA}$ | -/82.00 | dB | | | | |
| Emissions of nitrogen oxides (if applicable) | NOx(***) | - | mg/kWh input GCV | Rated brine or water flow rate, outdoor side heat exchanger | — | - | $m^3/h$ |
| GWP of the refrigerant | 2088 | | kg $CO_2$ eq (100 years) | | | | |
| Contact details:<br>West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070 | | | | Name of manufacturer:<br>GREE ELECTRIC APPLIANCES,INC. OF ZHUHAI | | | |

(*)
(**) If Cdh is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
(***) From 26 September 2018.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.