**Cooling mode:**

# Information requirements for air-to-air conditioners

Model(s):MV6-i500WV2GN1-E;
Test matching indoor units form 1, Duct: 8×MI2-63T2DN1-S; test matching indoor units form 2, non-duct: 8×MI2-63Q4DN1-G;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
|---|---|---|---|---|---|---|---|---|
| Rated cooling capacity | $P_{rated,c}$ | 50 | kW | | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 197.4 | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27/19℃（dry/wet bulb） | | | | | Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$=+35℃ | $P_{dc}$ | 50 | kW | | $T_j$=+35℃ | $EER_d$ | 2.55 | -- |
| $T_j$=+30℃ | $P_{dc}$ | 36.091 | kW | | $T_j$=+30℃ | $EER_d$ | 3.86 | -- |
| $T_j$=+25℃ | $P_{dc}$ | 22.777 | kW | | $T_j$=+25℃ | $EER_d$ | 5.89 | -- |
| $T_j$=+20℃ | $P_{dc}$ | 10.928 | kW | | $T_j$=+20℃ | $EER_d$ | 8.50 | -- |
| | | | | | | | | |
| Degradation co-efficient for air conditioners(*) | $C_{dc}$ | 0.25 | — | | | | | |
| Power consumption in modes other than "active mode" | | | | | | | | |
| Off mode | $P_{OFF}$ | 0.064 | kW | | Crankcase heater mode | $P_{CK}$ | 0.064 | kW |
| Thermosat-off mode | $P_{TO}$ | 0 | kW | | Standby mode | $P_{SB}$ | 0.064 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air air conditioner:air flow rate,outdoor measured | — | 13000 | $m^3/h$ |
| Sound power level,outdoor | $L_{WA}$ | 88 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg $CO_{2\ eq}$(100years) | | | | | |

Contact details

(*)If $C_{dc}$ is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

**Heating mode:**

# Information requirements for heat pumps

Model(s):MV6-i500WV2GN1-E;
Test matching indoor units form 1, Duct: 8×MI2-63T2DN1-S; test matching indoor units form 2, non-duct: 8×MI2-63Q4DN1-G;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season,parameters for the warmer and colder heating seasoms are optional

| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
|---|---|---|---|---|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | 50 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 134.2 | % |
| Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures $T_j$ | | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$=-7℃ | $P_{dh}$ | 27.878 | kW | | $T_j$=-7℃ | $COP_d$ | 2.46 | -- |
| $T_j$=+2℃ | $P_{dh}$ | 18.272 | kW | | $T_j$=+2℃ | $COP_d$ | 3.18 | -- |
| $T_j$=+7℃ | $P_{dh}$ | 11.923 | kW | | $T_j$=+7℃ | $COP_d$ | 4.64 | -- |
| $T_j$=+12℃ | $P_{dh}$ | 9.535 | kW | | $T_j$=+12℃ | $COP_d$ | 5.43 | -- |
| $T_{biv}$=bivalent temperature | $P_{dh}$ | 27.878 | kW | | $T_{biv}$ =bivalent temperature | $COP_d$ | 2.46 | -- |
| $T_{OL}$=operation temperature | $P_{dh}$ | 31.575 | kW | | $T_{OL}$ =operation temperature | $COP_d$ | 1.95 | -- |
| Bivalent temperature | $T_{biv}$ | -7 | ℃ | | | | | |
| | | | | | | | | |
| Degradation co-efficient for heat pumps(**) | $C_{dh}$ | 0.25 | — | | | | | |
| Power consumption in modes other than "active mode" | | | | | Supplementary heater | | | |
| Off mode | $P_{OFF}$ | 0.064 | kW | | Back-up heating capacity(*) | elbu | 0 | kW |
| Thermosat-off mode | $P_{TO}$ | 0.064 | kW | | Type of energy input | | | |
| Crankcase heater mode | $P_{CK}$ | 0.124 | kW | | Standby mode | $P_{SB}$ | 0.064 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pump:air flow rate,outdoor measured | — | 13000 | $m^3/h$ |
| Sound power level,outdoor | $L_{WA}$ | 88 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg $CO_{2\ eq}$(100years) | | | | | |
| Contact details | | | | | | | | |

(*)

(**)If $C_{dh}$ is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer