

PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates:

Outdoor: PUMY-SP125YKM(-BS)

Indoor: PEFY-P25VMA3×1 unit+PEFY-P32VMA3×3 units

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 | $P_{rated,c}$ | 14,00 | kW | | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 261,1 | % |
| 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 | | | |
| $T_j = + 35 \text{ °C}$ | P_{dc} | 14,00 | kW | | $T_j = + 35 \text{ °C}$ | EER_d | 3,65 | – |
| $T_j = + 30 \text{ °C}$ | P_{dc} | 10,32 | kW | | $T_j = + 30 \text{ °C}$ | EER_d | 5,80 | – |
| $T_j = + 25 \text{ °C}$ | P_{dc} | 6,63 | kW | | $T_j = + 25 \text{ °C}$ | EER_d | 9,47 | – |
| $T_j = + 20 \text{ °C}$ | P_{dc} | 6,20 | kW | | $T_j = + 20 \text{ °C}$ | EER_d | 15,50 | – |
| Degradation co-efficient for air conditioners(*) | C_{dc} | 0,25 | – | | | | | |

Power consumption in modes other than 'active mode'

| | | | | | | | | |
|---------------------|-----------|-------|----|--|-----------------------|----------|-------|----|
| Off mode | P_{OFF} | 0,026 | kW | | Crankcase heater mode | P_{CK} | 0,000 | kW |
| Thermostat-off mode | P_{TO} | 0,304 | kW | | Standby mode | P_{SB} | 0,026 | kW |

Other items

| | | | | | | | | |
|--|------------|----------|---------------------------|--|---|---|------|---------|
| Capacity control | variable | | | | For air-to-air air conditioner: air flow rate, outdoor measured | – | 4860 | m^3/h |
| Sound power level, indoor/outdoor | L_{WA} | – / 73.0 | dB | | | | | |
| If engine driven: Emissions of nitrogen oxides | $NO_x(**)$ | – | mg/kWh fuel input GCV | | | | | |
| GWP of the refrigerant | | 2088 | kg CO_{2eq} (100 years) | | | | | |

Contact details MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS 3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan

(*) 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.

(1) This information is based on COMMISSION REGULATION (EU) 2016/2281

Recycle

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and reused.

Electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please, dispose of this equipment at your local community waste collection/recycling center.

In the European Union there are separate collection systems for used electrical and electronic product.

Please, help us to conserve the environment we live in!

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Outdoor: PUMY-SP125YKM(-BS) Indoor: PEFY-P25VMA3×1 unit+PEFY-P32VMA3×3 units

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 shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
|---|--|----------|-----------------------------------|--|--|--------------|-------|-------------------|
| Rated heating capacity | $P_{rated,h}$ | 16,00 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 154,3 | % |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j | | | | | Declared coefficient of performance for part load at given outdoor temperatures T_j | | | |
| $T_j = -7\text{ °C}$ | P_{dh} | 9,29 | kW | | $T_j = -7\text{ °C}$ | COP_d | 2,27 | – |
| $T_j = +2\text{ °C}$ | P_{dh} | 5,65 | kW | | $T_j = +2\text{ °C}$ | COP_d | 4,12 | – |
| $T_j = +7\text{ °C}$ | P_{dh} | 3,81 | kW | | $T_j = +7\text{ °C}$ | COP_d | 4,70 | – |
| $T_j = +12\text{ °C}$ | P_{dh} | 4,60 | kW | | $T_j = +12\text{ °C}$ | COP_d | 8,36 | – |
| T_{biv} = bivalent temperature | P_{dh} | 10,50 | kW | | T_{biv} = bivalent temperature | COP_d | 2,23 | – |
| T_{OL} = operation limit | P_{dh} | 8,40 | kW | | T_{OL} = operation limit | COP_d | 2,00 | – |
| For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$) | P_{dh} | – | kW | | For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$) | COP_d | – | – |
| Bivalent temperature | T_{biv} | -10 | °C | | For water-to-air heat pumps: Operation limit temperature | T_{ol} | – | °C |
| Degradation co-efficient heat pumps(**) | C_{dh} | 0,25 | – | | | | | |
| Power consumption in modes other than 'active mode' | | | | | Supplementary heater | | | |
| Off mode | P_{OFF} | 0,026 | kW | | Back-up heating capacity (*) | e_{bu} | 0,000 | kW |
| Thermostat-off mode | P_{TO} | 0,304 | kW | | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0,000 | kW | | Standby mode | P_{SB} | 0,026 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pumps: air flow rate, outdoor measured | – | 4980 | m ³ /h |
| Sound power level, indoor/outdoor | L_{WA} | – / 76,0 | dB | | For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger | – | – | m ³ /h |
| Emissions of nitrogen oxides (if applicable) | NO_x (***) | – | mg/kWh fuel input GCV | | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100 years) | | | | | |
| Contact details | MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS 3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan | | | | | | | |

(*)

(**) If C_{dh} 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.

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