PRODUCT INFORMATION(1)

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

Outdoor: PUZ-ZM140VKA2 Indoor: PCA-M140KA2

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

| If applicable: driver of o | compressor: | electric mo | otor | | | | | | |
|--|----------------------|-------------|-----------------------------------|-------|---|------------------|-------|------|--|
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit | |
| Rated cooling capacity | P _{rated,c} | 13,40 | kW | | Seasonal space cooling energy efficiency | $\eta_{\rm s,c}$ | 250,6 | % | |
| Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb) | | | | | Declared energy efficiency ratio for part load at given outdoor temperatures Tj | | | | |
| Tj = + 35 °C | Pdc | 13,40 | kW | | Tj = + 35 °C | EER _d | 3,40 | _ | |
| Tj = + 30 °C | Pdc | 9,80 | kW | | Tj = + 30 °C | EER₀ | 5,40 | _ | |
| Tj = + 25 °C | Pdc | 6,30 | kW | | Tj = + 25 °C | EER₀ | 8,00 | _ | |
| Tj = + 20 °C | Pdc | 4,30 | kW | | Tj = + 20 °C | EER _d | 9,40 | - | |
| Degradation co-efficient for air conditioners(*) | C _{dc} | 0,25 | _ | | | | | | |
| | P | ower consu | umption in mo | ode | s other than 'active mod | e' | | | |
| Off mode | P _{OFF} | 0,020 | kW | | Crankcase heater mode | P _{CK} | 0,000 | kW | |
| Thermostat-off mode | P _{TO} | 0,073 | kW | | Standby mode | P _{SB} | 0,020 | kW | |
| | | | Oth | er it | ems | | | | |
| Capacity control | variable | | | | For air-to-air air conditioner: air flow rate, outdoor measured | - | 7200 | m³/h | |
| Sound power level, indoor/outdoor | L _{WA} | 68,0 / 70,0 | dB | | | | | | |
| If engine driven: Emissions of nitrogen oxides | NO _x (**) | - | mg/kWh fuel input GCV | | | | | | |
| GWP of the refrigerant | | 675 | kg CO _{2 eq} (100 years) | | | | | | |
| Contact details | | | RIC CORPOF nizuoka 422- | | ION SHIZUOKA WORK 8, Japan | S 3-18-1, | | | |

^(*) 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!

PRODUCT INFORMATION(1)

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

Outdoor: PUZ-ZM140VKA2 Indoor: PCA-M140KA2

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 | $\eta_{s,h}$ | 174,4 | % | |
| 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 | | | | |
| Tj = - 7 °C | Pdh | 9,30 | kW | | Tj = - 7 °C | COP _d | 2,70 | - | |
| Tj = + 2 °C | Pdh | 5,70 | kW | | Tj = + 2 °C | COP _d | 4,60 | _ | |
| Tj = + 7 °C | Pdh | 3,90 | kW | | Tj = + 7 °C | COP _d | 5,60 | _ | |
| Tj = + 12 °C | Pdh | 3,80 | kW | | Tj = + 12 °C | COP _d | 6,50 | - | |
| T _{biv} = bivalent temperature | Pdh | 10,60 | kW | | T _{biv} = bivalent temperature | COP _d | 2,40 | _ | |
| T _{OL} = operation limit | Pdh | 7,90 | kW | | T _{OL} = operation limit | COP _d | 1,30 | _ | |
| For air-to-water heat pumps: Tj = -15 °C (if $T_{OL} < -20$ °C) | Pdh | _ | kW | | For water-to-air heat pumps: Tj = -15 °C (if $T_{OL} < -20$ °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} | 0,020 | kW | | Back-up heating capacity (*) | elbu | 0,000 | kW | |
| Thermostat-off mode | P _{TO} | 0,097 | kW | | Type of energy input | | | | |
| Crankcase heater mode | P _{CK} | 0,000 | kW | | Standby mode | P_{SB} | 0,020 | kW | |
| | | | Othe | er it | ems | | | | |
| Capacity control | | variable | | | For air-to-air heat pumps: air flow rate, outdoor measured | ı | 7200 | m³/h | |
| Sound power level, indoor/outdoor | L _{WA} | 68,0 / 72,0 | dB | | For water/brine-to-air heat pumps: Rated | | | | |
| Emissions of nitrogen oxides (if applicable) | NO _x (***) | _ | mg/kWh fuel input GCV | | brine or water flow rate, outdoor side heat exchanger | _ | _ | m ³ /h | |
| GWP of the refrigerant | | 675 | kg CO _{2 eq} (100 years) | | | | | | |
| Contact details | | | RIC CORPOR hizuoka 422-8 | | ION SHIZUOKA WORK 8, Japan | S 3-18-1, | | | |

<sup>(*)
(**)</sup> 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.

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