PRODUCT INFORMATION

PUHY-P＊＊＊YNW-A2（-BS）

PUHY-EP＊＊＊YNW-A2（-BS）

For Europe Regulation

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor: PUHY-P200YNW-A2(-BS) Indoor: PEFY-M50VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **22.40** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **303.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **22.40** | kW | $T_j$ = +35 °C | $EER_d$ | **3.71** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **16.51** | kW | $T_j$ = + 30 °C | $EER_d$ | **5.72** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **10.61** | kW | $T_j$ = + 25 °C | $EER_d$ | **9.70** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **7.19** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.94** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.029** | kW | Standby mode | $P_{SB}$ | **0.069** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **10200** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **75** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-P200YNW-A2(-BS) Indoor: PEFY-M50VMA-A1×4 units

Outdoor heat exchanger of heat pump: air

Indoor heat exchanger of heat pump: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **22.40** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **10.11** | kW |
| $T_j$ = + 2 ºC | Pdh | **6.15** | kW |
| $T_j$ = + 7 ºC | Pdh | **3.96** | kW |
| $T_j$ = + 12 ºC | Pdh | **6.04** | kW |
| $T_j$ = bivalent temperature | Pdh | **11.43** | kW |
| $T_j$ = operation limit | Pdh | **11.43** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.129** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.029** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **171.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.13** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.63** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **5.90** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.18** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.95** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.95** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.146** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **10200** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **77** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

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|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor: PUHY-P250YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $\eta_{s,c}$ | **273.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **28.00** | kW | $T_j$ = +35 °C | $EER_d$ | **2.91** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **20.63** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.74** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **13.26** | kW | $T_j$ = + 25 °C | $EER_d$ | **8.78** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **7.24** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.95** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.029** | kW | Standby mode | $P_{SB}$ | **0.069** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **11100** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **78** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-P250YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **28.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **12.63** | kW |
| $T_j$ = + 2 ºC | Pdh | **7.69** | kW |
| $T_j$ = + 7 ºC | Pdh | **4.94** | kW |
| $T_j$ = + 12 ºC | Pdh | **6.07** | kW |
| $T_j$ = bivalent temperature | Pdh | **14.28** | kW |
| $T_j$ = operation limit | Pdh | **14.28** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.129** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.029** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **172.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.13** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.62** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.10** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.18** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.92** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.92** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.146** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **11100** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **80** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P300YNW-A2 (-BS) Indoor : PEFY-M50VMA-A1×6 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **33.50** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **265.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **33.50** | kW | $T_j$ = +35 °C | $EER_d$ | **2.96** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **24.68** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.59** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **15.87** | kW | $T_j$ = + 25 °C | $EER_d$ | **8.24** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **8.88** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.36** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.029** | kW | Standby mode | $P_{SB}$ | **0.069** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **12000** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **80** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-P300YNW-A2(-BS) Indoor: PEFY-M50VMA-A1×6 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **33.50** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **15.12** | kW |
| $T_j$ = + 2 ºC | Pdh | **9.20** | kW |
| $T_j$ = + 7 ºC | Pdh | **5.92** | kW |
| $T_j$ = + 12 ºC | Pdh | **6.64** | kW |
| $T_j$ = bivalent temperature | Pdh | **17.09** | kW |
| $T_j$ = operation limit | Pdh | **17.09** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.129** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.029** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **161.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.95** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.24** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.08** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.04** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.67** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.67** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.146** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **14400** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **84** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P350YNW-A2 (-BS) Indoor : PEFY-M63VMA-A1×5 units, PEFY-M50VMA-A1×1 unit | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **40.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **251.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **40.00** | kW | $T_j$ = +35 °C | $EER_d$ | **2.86** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **29.47** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.09** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **18.95** | kW | $T_j$ = + 25 °C | $EER_d$ | **7.64** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **10.11** | kW | $T_j$ = + 20 °C | $EER_d$ | **15.99** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **15000** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **80** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor：PUHY-P350YNW-A2（-BS） Indoor：PEFY-M63VMA-A1×5 units, PEFY-M50VMA-A1×1 unit

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **40.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **18.05** | kW |
| $T_j$ = + 2 ºC | Pdh | **10.98** | kW |
| $T_j$ = + 7 ºC | Pdh | **7.06** | kW |
| $T_j$ = + 12 ºC | Pdh | **7.28** | kW |
| $T_j$ = bivalent temperature | Pdh | **20.40** | kW |
| $T_j$ = operation limit | Pdh | **20.40** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.156** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **170.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.92** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.41** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.81** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.72** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.85** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.85** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **16200** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **84** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor：PUHY-P400YNW-A2（-BS） Indoor：PEFY-M71VMA-A1×2 units, PEFY-M63VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **45.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **231.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27º/19ºC (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 ºC | Pdc | **45.00** | kW | $T_j$ = +35 ºC | $EER_d$ | **2.56** | ~~%~~ |
| $T_j$ = + 30 ºC | Pdc | **33.16** | kW | $T_j$ = + 30 ºC | $EER_d$ | **4.08** | ~~%~~ |
| $T_j$ = + 25 ºC | Pdc | **21.32** | kW | $T_j$ = + 25 ºC | $EER_d$ | **6.38** | ~~%~~ |
| $T_j$ = + 20 ºC | Pdc | **11.38** | kW | $T_j$ = + 20 ºC | $EER_d$ | **15.35** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **16200** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **82** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor：PUHY-P400YNW-A2（-BS） Indoor：PEFY-M71VMA-A1×2 units, PEFY-M63VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **45.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **20.30** | kW |
| $T_j$ = + 2 ºC | Pdh | **12.36** | kW |
| $T_j$ = + 7 ºC | Pdh | **7.94** | kW |
| $T_j$ = + 12 ºC | Pdh | **8.37** | kW |
| $T_j$ = bivalent temperature | Pdh | **22.95** | kW |
| $T_j$ = operation limit | Pdh | **22.95** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.156** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **157.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.99** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **3.90** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.33** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.09** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.69** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.69** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

| Other items | | | |
|---|---|---|---|
| Capacity control | variable | | |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **86** | dB |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) |

| | | | |
|---|---|---|---|
| For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **18000** | m³/h |
| For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |

| | |
|---|---|
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD.<br>Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor：PUHY-P450YNW-A2（-BS） Indoor：PEFY-M63VMA-A1×4 units, PEFY-M50VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **50.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **256.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27º/19ºC (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 ºC | Pdc | **50.00** | kW | $T_j$ = +35 ºC | $EER_d$ | **2.65** | ~~%~~ |
| $T_j$ = + 30 ºC | Pdc | **36.84** | kW | $T_j$ = + 30 ºC | $EER_d$ | **4.32** | ~~%~~ |
| $T_j$ = + 25 ºC | Pdc | **23.68** | kW | $T_j$ = + 25 ºC | $EER_d$ | **7.49** | ~~%~~ |
| $T_j$ = + 20 ºC | Pdc | **12.20** | kW | $T_j$ = + 20 ºC | $EER_d$ | **17.25** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **17100** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **84** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |
| ** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor：PUHY-P450YNW-A2（-BS） Indoor：PEFY-M63VMA-A1×4 units, PEFY-M50VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **50.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **22.56** | kW |
| $T_j$ = + 2 ºC | Pdh | **13.73** | kW |
| $T_j$ = + 7 ºC | Pdh | **9.03** | kW |
| $T_j$ = + 12 ºC | Pdh | **8.35** | kW |
| $T_j$ = bivalent temperature | Pdh | **25.50** | kW |
| $T_j$ = operation limit | Pdh | **25.50** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.156** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **169.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.05** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.36** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.55** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.80** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.82** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.82** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **18300** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **90** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-P500YNW-A2 (-BS) Indoor : PEFY-M63VMA-A1×8 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **56.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **249.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **56.00** | kW | $T_j$ = +35 °C | $EER_d$ | **2.66** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **41.26** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.35** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **26.53** | kW | $T_j$ = + 25 °C | $EER_d$ | **7.40** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **13.84** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.55** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **18900** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **82** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-P500YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×8 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **56.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **25.26** | kW |
| $T_j$ = + 2 ºC | Pdh | **15.38** | kW |
| $T_j$ = + 7 ºC | Pdh | **9.89** | kW |
| $T_j$ = + 12 ºC | Pdh | **9.88** | kW |
| $T_j$ = bivalent temperature | Pdh | **28.56** | kW |
| $T_j$ = operation limit | Pdh | **28.56** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.164** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **158.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.98** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.02** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.44** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.80** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.76** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.76** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

| Other items | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **21900** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **85** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP200YNW-A2 (-BS) Indoor : PEFY-M50VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **22.40** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **307.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **22.40** | kW | $T_j$ = +35 °C | $EER_d$ | **4.06** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **16.51** | kW | $T_j$ = + 30 °C | $EER_d$ | **5.77** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **10.61** | kW | $T_j$ = + 25 °C | $EER_d$ | **9.71** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **7.30** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.96** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.029** | kW | Standby mode | $P_{SB}$ | **0.069** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **10200** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **75** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-EP200YNW-A2(-BS) Indoor: PEFY-M50VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **22.40** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **10.11** | kW |
| $T_j$ = + 2 ºC | Pdh | **6.15** | kW |
| $T_j$ = + 7 ºC | Pdh | **3.96** | kW |
| $T_j$ = + 12 ºC | Pdh | **5.18** | kW |
| $T_j$ = bivalent temperature | Pdh | **11.43** | kW |
| $T_j$ = operation limit | Pdh | **11.43** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.129** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.029** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **171.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.13** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.62** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **5.97** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.20** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.95** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.95** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.146** | kW |

| Other items | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **10200** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **78** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor：PUHY-EP250YNW-A2（-BS） Indoor：PEFY-M63VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $\eta_{s,c}$ | **297.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27º/19ºC (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 ºC | Pdc | **28.00** | kW | $T_j$ = +35 ºC | $EER_d$ | **3.41** | ~~%~~ |
| $T_j$ = + 30 ºC | Pdc | **20.63** | kW | $T_j$ = + 30 ºC | $EER_d$ | **5.30** | ~~%~~ |
| $T_j$ = + 25 ºC | Pdc | **13.26** | kW | $T_j$ = + 25 ºC | $EER_d$ | **9.55** | ~~%~~ |
| $T_j$ = + 20 ºC | Pdc | **7.30** | kW | $T_j$ = + 20 ºC | $EER_d$ | **14.96** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.029** | kW | Standby mode | $P_{SB}$ | **0.069** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **11100** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **78** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\,ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |
| ** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-EP250YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **28.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **12.63** | kW |
| $T_j$ = + 2 ºC | Pdh | **7.69** | kW |
| $T_j$ = + 7 ºC | Pdh | **4.95** | kW |
| $T_j$ = + 12 ºC | Pdh | **5.22** | kW |
| $T_j$ = bivalent temperature | Pdh | **14.28** | kW |
| $T_j$ = operation limit | Pdh | **14.28** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.129** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.029** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **173.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.12** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.60** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.21** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.20** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.91** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.91** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.146** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **11100** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **80** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP300YNW-A2 (-BS) Indoor : PEFY-M50VMA-A1×6 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **33.50** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **287.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **33.50** | kW | $T_j$ = +35 °C | $EER_d$ | **3.46** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **24.68** | kW | $T_j$ = + 30 °C | $EER_d$ | **5.12** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **15.87** | kW | $T_j$ = + 25 °C | $EER_d$ | **8.85** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **9.30** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.53** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.029** | kW | Standby mode | $P_{SB}$ | **0.069** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **12000** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **80** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor：PUHY-EP300YNW-A2（-BS） Indoor：PEFY-M50VMA-A1×6 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **33.50** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **15.12** | kW |
| $T_j$ = + 2 ºC | Pdh | **9.20** | kW |
| $T_j$ = + 7 ºC | Pdh | **5.92** | kW |
| $T_j$ = + 12 ºC | Pdh | **7.05** | kW |
| $T_j$ = bivalent temperature | Pdh | **17.09** | kW |
| $T_j$ = operation limit | Pdh | **17.09** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.069** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.129** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.029** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **161.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.95** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.24** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.09** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.05** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.66** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.66** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.146** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **14400** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **84** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor：PUHY-EP350YNW-A2（-BS） Indoor：PEFY-M63VMA-A1×5 units, PEFY-M50VMA-A1×1 unit | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **40.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **278.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27º/19ºC (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 ºC | Pdc | **40.00** | kW | $T_j$ = +35 ºC | $EER_d$ | **3.22** | ~~%~~ |
| $T_j$ = + 30 ºC | Pdc | **29.47** | kW | $T_j$ = + 30 ºC | $EER_d$ | **4.76** | ~~%~~ |
| $T_j$ = + 25 ºC | Pdc | **18.95** | kW | $T_j$ = + 25 ºC | $EER_d$ | **8.50** | ~~%~~ |
| $T_j$ = + 20 ºC | Pdc | **9.90** | kW | $T_j$ = + 20 ºC | $EER_d$ | **16.02** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **15000** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **80** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor：PUHY-EP350YNW-A2（-BS） Indoor：PEFY-M63VMA-A1×5 units, PEFY-M50VMA-A1×1 unit

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **40.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **18.05** | kW |
| $T_j$ = + 2 ºC | Pdh | **10.98** | kW |
| $T_j$ = + 7 ºC | Pdh | **7.06** | kW |
| $T_j$ = + 12 ºC | Pdh | **7.30** | kW |
| $T_j$ = bivalent temperature | Pdh | **20.40** | kW |
| $T_j$ = operation limit | Pdh | **20.40** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.156** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **171.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.93** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.42** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.88** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.76** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.86** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.86** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **16200** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **83** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor: PUHY-EP400YNW-A2(-BS) Indoor: PEFY-M71VMA-A1×2 units, PEFY-M63VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **45.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **270.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **45.00** | kW | $T_j$ = +35 °C | $EER_d$ | **3.07** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **33.16** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.74** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **21.32** | kW | $T_j$ = + 25 °C | $EER_d$ | **7.91** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **12.10** | kW | $T_j$ = + 20 °C | $EER_d$ | **16.26** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **16200** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **82** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-EP400YNW-A2(-BS) Indoor: PEFY-M71VMA-A1×2 units, PEFY-M63VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **45.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **20.30** | kW |
| $T_j$ = + 2 ºC | Pdh | **12.36** | kW |
| $T_j$ = + 7 ºC | Pdh | **7.94** | kW |
| $T_j$ = + 12 ºC | Pdh | **8.79** | kW |
| $T_j$ = bivalent temperature | Pdh | **22.95** | kW |
| $T_j$ = operation limit | Pdh | **22.95** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.156** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **167.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.10** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.19** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.55** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.73** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.87** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.87** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

Other items

| | | | |
|---|---|---|---|
| Capacity control | variable | | |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **85** | dB |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) |

| | | | |
|---|---|---|---|
| For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **16200** | m³/h |
| For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |

| | |
|---|---|
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD.<br>Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor: PUHY-EP450YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×4 units, PEFY-M50VMA-A1×4 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **50.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **274.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **50.00** | kW | $T_j$ = +35 °C | $EER_d$ | **2.82** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **36.84** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.83** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **23.68** | kW | $T_j$ = + 25 °C | $EER_d$ | **8.01** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **12.10** | kW | $T_j$ = + 20 °C | $EER_d$ | **17.34** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **17100** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **84** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-EP450YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×4 units, PEFY-M50VMA-A1×4 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **50.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **22.56** | kW |
| $T_j$ = + 2 ºC | Pdh | **13.73** | kW |
| $T_j$ = + 7 ºC | Pdh | **8.83** | kW |
| $T_j$ = + 12 ºC | Pdh | **8.90** | kW |
| $T_j$ = bivalent temperature | Pdh | **25.50** | kW |
| $T_j$ = operation limit | Pdh | **25.50** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.156** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **169.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **2.05** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.35** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.55** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.80** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.83** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.83** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

| Other items | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **18300** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **90** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

## PRODUCT INFORMATION(1)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EP500YNW-A2 (-BS) Indoor : PEFY-M63VMA-A1×8 units | | | | | | | |
| Outdoor heat exchanger of air conditioner: air | | | | | | | |
| Indoor 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 | $P_{rated,c}$ | **56.00** | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | **259.0** | % |
| Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor 27°/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = +35 °C | Pdc | **56.00** | kW | $T_j$ = +35 °C | $EER_d$ | **2.73** | ~~%~~ |
| $T_j$ = + 30 °C | Pdc | **41.26** | kW | $T_j$ = + 30 °C | $EER_d$ | **4.42** | ~~%~~ |
| $T_j$ = + 25 °C | Pdc | **26.53** | kW | $T_j$ = + 25 °C | $EER_d$ | **7.94** | ~~%~~ |
| $T_j$ = + 20 °C | Pdc | **13.30** | kW | $T_j$ = + 20 °C | $EER_d$ | **14.60** | ~~%~~ |
| Degradation co-efficient air conditioners** | $C_d$ | **0.25** | - | | | | |
| Power consumption in modes other than 'active mode' | | | | | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW | Crankcase heater mode | $P_{CK}$ | **0.000** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.039** | kW | Standby mode | $P_{SB}$ | **0.095** | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: Nominal air flow rate, outdoor measured | - | **18900** | $m^3/h$ |
| Sound power level, outdoor | $L_{WA}$ | **82** | dB | | | | |
| if engine driven: Emissions of nitrogen oxides | $NO_x$ | - | mg/kWh fuel input GCV | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners 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 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

## PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates:
Outdoor: PUHY-EP500YNW-A2(-BS) Indoor: PEFY-M63VMA-A1×8 units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Rated heating capacity | $P_{rated,h}$ | **56.00** | kW |
| Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j$ = - 7 ºC | Pdh | **25.28** | kW |
| $T_j$ = + 2 ºC | Pdh | **15.41** | kW |
| $T_j$ = + 7 ºC | Pdh | **9.89** | kW |
| $T_j$ = + 12 ºC | Pdh | **9.93** | kW |
| $T_j$ = bivalent temperature | Pdh | **28.56** | kW |
| $T_j$ = operation limit | Pdh | **28.56** | kW |
| For air-to-water heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < - 20 ºC) | Pdh | **-** | kW |
| Bivalent temperature | $T_{biv}$ | **-10.0** | ºC |
| Degradation co-efficient heat pumps** | $C_{dh}$ | **0.25** | - |
| Power consumption in modes other than 'active mode' | | | |
| Off mode | $P_{OFF}$ | **0.095** | kW |
| Thermostat-off mode | $P_{TO}$ | **0.164** | kW |
| Crankcase heater mode | $P_{CK}$ | **0.039** | kW |

| Item | Symbol | Value | Unit |
|---|---|---|---|
| Seasonal space heating energy efficiency | $\eta_{s,h}$ | **161.0** | % |
| Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures $T_j$ | | | |
| $T_j$ = - 7 ºC | $COP_d$ | **1.97** | ~~%~~ |
| $T_j$ = + 2 ºC | $COP_d$ | **4.02** | ~~%~~ |
| $T_j$ = + 7 ºC | $COP_d$ | **6.44** | ~~%~~ |
| $T_j$ = + 12 ºC | $COP_d$ | **8.70** | ~~%~~ |
| $T_j$ = bivalent temperature | $COP_d$ | **1.85** | ~~%~~ |
| $T_j$ = operation limit | $COP_d$ | **1.85** | ~~%~~ |
| For water-to-air heat pumps: $T_j$ = - 15 ºC (if $T_{OL}$ < -20 ºC) | $COP_d$ | **-** | ~~%~~ |
| For water-to-air heat pumps: Operation limit temperature | $T_{ol}$ | **-** | ºC |
| Supplementary heater | | | |
| Electric back-up heating capacity * | elbu | **0.000** | kW |
| Type of energy input | | | |
| Standby mode | $P_{SB}$ | **0.173** | kW |

Other items

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | variable | | | For air-to-air heat pumps: Nominal air flow rate, outdoor measured | - | **21900** | m³/h |
| Sound power level, indoor / outdoor measured | $L_{WA}$ | **85** | dB | For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Emissions of nitrogen oxides (if applicable) | $NO_x$ | - | mg/kWh | | | | |
| GWP of the refrigerant | | **2088** | kg $CO_{2\ ep}$ (100 years) | | | | |
| Contact details | MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand | | | | | | |

** If $C_d$ 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 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

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