



# ENERG

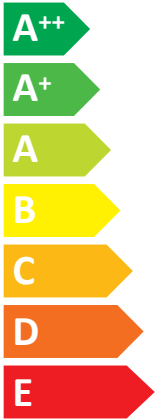
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Model Indoor unit  
Outdoor unit

**PKA-M100KAL  
PUHZ-P100YHA3**

SEER

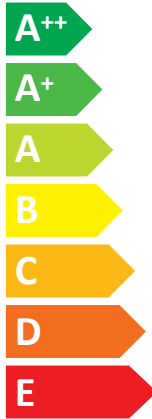


kW 9,4

SEER 4,9

kWh/annum 667

SCOP



kW X 7,0 X

SCOP X 3,8 X

kWh/annum X 2579 X



65dB



70dB



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626/2011





**PRODUCT INFORMATION (\*)**

|                          |               |               |
|--------------------------|---------------|---------------|
| PACKAGED AIR CONDITIONER | INDOOR MODEL  | PKA-M100KAL   |
|                          | OUTDOOR MODEL | PUHZ-P100YHA3 |

|                                |   |
|--------------------------------|---|
| Function (indicate if present) |   |
| cooling                        | Y |
| heating                        | Y |

|   |   |
|---|---|
| If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season |   |
| Average (mandatory)   | Y |
| Warmer (if designated)  | N |
| Colder (if designated)  | N |

| Item               | symbol   | value | unit |
|--------------------|----------|-------|------|
| <b>Design load</b> |          |       |      |
| cooling            | Pdesignc | 9.4   | kW   |
| heating/Average    | Pdesignh | 7.0   | kW   |
| heating/Warmer     | Pdesignh | x     | kW   |
| heating/Colder     | Pdesignh | x     | kW   |

| Item                       | symbol | value | unit |
|----------------------------|--------|-------|------|
| <b>Seasonal efficiency</b> |        |       |      |
| cooling                    | SEER   | 4.9   | -    |
| heating/Average            | SCOP/A | 3.8   | -    |
| heating/Warmer             | SCOP/W | x     | -    |
| heating/Colder             | SCOP/C | x     | -    |

|   |     |     |    |
|---|-----|-----|----|
| <b>Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b> |     |     |    |
| Tj=35°C   | Pdc | 9.4 | kW |
| Tj=30°C   | Pdc | 6.9 | kW |
| Tj=25°C   | Pdc | 4.7 | kW |
| Tj=20°C   | Pdc | 4.0 | kW |

|  |      |     |   |
|--|------|-----|---|
| <b>Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj</b> |      |     |   |
| Tj=35°C  | EERd | 2.7 | - |
| Tj=30°C  | EERd | 4.3 | - |
| Tj=25°C  | EERd | 6.6 | - |
| Tj=20°C  | EERd | 8.2 | - |

|  |     |     |    |
|--|-----|-----|----|
| <b>Declared capacity for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj</b> |     |     |    |
| Tj=-7°C  | Pdh | 6.2 | kW |
| Tj=2°C   | Pdh | 3.7 | kW |
| Tj=7°C   | Pdh | 2.8 | kW |
| Tj=12°C  | Pdh | 3.2 | kW |
| Tj=bivalent temperature  | Pdh | 6.2 | kW |
| Tj=operating limit   | Pdh | 4.5 | kW |

|  |      |     |   |
|--|------|-----|---|
| <b>Declared coefficient of performance/Average season, at indoor temperature 20°C and outdoor temperature Tj</b> |      |     |   |
| Tj=-7°C  | COPd | 3.1 | - |
| Tj=2°C   | COPd | 3.6 | - |
| Tj=7°C   | COPd | 5.0 | - |
| Tj=12°C  | COPd | 5.9 | - |
| Tj=bivalent temperature  | COPd | 3.1 | - |
| Tj=operating limit   | COPd | 1.5 | - |

|   |     |   |    |
|---|-----|---|----|
| <b>Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b> |     |   |    |
| Tj=2°C  | Pdh | x | kW |
| Tj=7°C  | Pdh | x | kW |
| Tj=12°C   | Pdh | x | kW |
| Tj=bivalent temperature   | Pdh | x | kW |
| Tj=operating limit  | Pdh | x | kW |

|   |      |   |   |
|---|------|---|---|
| <b>Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b> |      |   |   |
| Tj=2°C  | COPd | x | - |
| Tj=7°C  | COPd | x | - |
| Tj=12°C   | COPd | x | - |
| Tj=bivalent temperature   | COPd | x | - |
| Tj=operating limit  | COPd | x | - |

|   |     |   |    |
|---|-----|---|----|
| <b>Declared capacity for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b> |     |   |    |
| Tj=-7°C   | Pdh | x | kW |
| Tj=2°C  | Pdh | x | kW |
| Tj=7°C  | Pdh | x | kW |
| Tj=12°C   | Pdh | x | kW |
| Tj=bivalent temperature   | Pdh | x | kW |
| Tj=operating limit  | Pdh | x | kW |
| Tj=-15°C  | Pdh | x | kW |

|   |      |   |   |
|---|------|---|---|
| <b>Declared coefficient of performance/Colder season, at indoor temperature 20°C and outdoor temperature Tj</b> |      |   |   |
| Tj=-7°C   | COPd | x | - |
| Tj=2°C  | COPd | x | - |
| Tj=7°C  | COPd | x | - |
| Tj=12°C   | COPd | x | - |
| Tj=bivalent temperature   | COPd | x | - |
| Tj=operating limit  | COPd | x | - |
| Tj=-15°C  | COPd | x | - |

|                             |      |    |    |
|-----------------------------|------|----|----|
| <b>Bivalent temperature</b> |      |    |    |
| heating/Average             | Tbiv | -7 | °C |
| heating/Warmer              | Tbiv | x  | °C |
| heating/Colder              | Tbiv | x  | °C |

|                                    |     |     |    |
|------------------------------------|-----|-----|----|
| <b>Operating limit temperature</b> |     |     |    |
| heating/Average                    | Tol | -15 | °C |
| heating/Warmer                     | Tol | x   | °C |
| heating/Colder                     | Tol | x   | °C |

|                                  |       |      |    |
|----------------------------------|-------|------|----|
| <b>Cycling interval capacity</b> |       |      |    |
| for cooling                      | Pcycc | x    | kW |
| for heating                      | Pcyh  | x    | kW |
| Degradation co-efficient cooling | Cdc   | 0.25 | -  |

|                                    |        |      |   |
|------------------------------------|--------|------|---|
| <b>Cycling interval efficiency</b> |        |      |   |
| for cooling                        | EERcyc | x    | - |
| for heating                        | COPcyc | x    | - |
| Degradation co-efficient heating   | Cdh    | 0.25 | - |

|   |          |      |   |
|---|----------|------|---|
| <b>Electric power input in power modes other than 'active mode'</b> |          |      |   |
| off mode  | POFF     | 25   | W |
| standby mode  | PSB      | 25   | W |
| thermostat - off mode   | PTO(c/h) | 5/70 | W |
| crankcase heater mode   | PCK      | 5    | W |

|                                       |     |      |       |
|---------------------------------------|-----|------|-------|
| <b>Annual electricity consumption</b> |     |      |       |
| cooling                               | QCE | 667  | kWh/a |
| heating/Average                       | QHE | 2579 | kWh/a |
| heating/Warmer                        | QHE | x    | kWh/a |
| heating/Colder                        | QHE | x    | kWh/a |

|   |   |
|---|---|
| <b>Capacity control (indicate one of three options)</b> |   |
| fixed   | N |
| staged  | N |
| variable  | Y |

|                                    |     |           |         |
|------------------------------------|-----|-----------|---------|
| <b>Other items</b>                 |     |           |         |
| Sound power level (indoor/outdoor) | LWA | 65/70     | dB(A)   |
| Global warming potential           | GWP | 1975      | kgCO2eq |
| Rated air flow (indoor/outdoor)    | -   | 1560/3600 | m3/h    |

|  |  |
|--|--|
| Contact details for obtaining more information | MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS<br>3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan<br>E-mail: melshierp@nb.MitsubishiElectric.co.jp |
|--|--|

(\*) This information is based on the "product information requirement" in COMMISSION REGULATION (EU) No206/2012.

| TECHNICAL DOCUMENTATION (1) |  |  |  |
|-----------------------------|--|--|--|
|-----------------------------|--|--|--|

|                          |               |               |                    |
|--------------------------|---------------|---------------|--------------------|
| PACKAGED AIR CONDITIONER | INDOOR MODEL  | PKA-M100KAL   | 365H1170W295D (mm) |
|                          | OUTDOOR MODEL | PUHZ-P100YHA3 | 943H950W330D (mm)  |

| Function |   |
|----------|---|
| cooling  | Y |
| heating  | Y |

| The heating season     |   |
|------------------------|---|
| Average (mandatory)    | Y |
| Warmer (if designated) | N |
| Colder (if designated) | N |

| Capacity control |   |
|------------------|---|
| fixed            | N |
| staged           | N |
| variable         | Y |

| Item                           | symbol | value | unit |
|--------------------------------|--------|-------|------|
| <b>Seasonal efficiency (2)</b> |        |       |      |
| cooling                        | SEER   | 4.9   | -    |
| heating/Average                | SCOP/A | 3.8   | -    |
| heating/Warmer                 | SCOP/W | x     | -    |
| heating/Colder                 | SCOP/C | x     | -    |

| Energy efficiency class |        |   |   |
|-------------------------|--------|---|---|
| cooling                 | SEER   | B | - |
| heating/Average         | SCOP/A | A | - |
| heating/Warmer          | SCOP/W | x | - |
| heating/Colder          | SCOP/C | x | - |

| Other items                        |     |       |          |
|------------------------------------|-----|-------|----------|
| Sound power level (indoor/outdoor) | LWA | 65/70 | dB(A)    |
| Refrigerant                        | -   | R410A | -        |
| Global warming potential           | GWP | 1975  | kgCO2eq. |

|   |  |
|---|--|
| identification and signature of the person empowered to bind the supplier |                                    |
|   | Takashi Tanabe<br>Manager,<br>Quality Assurance Department<br>Mitsubishi Electric Air Conditioning Systems Europe Ltd. |

(1) This information is based on COMMISSION DELEGATED REGULATION (EU)No626/2011.

(2) SEER/SCOP values are measured based on FprEN 14825:2011: Testing and rating at part load conditions and calculation of seasonal performance.