

POMPA CIEPŁA PANASONIC AQUAREA MONOBLOK HP GENERACJA J



Pompa ciepła Panasonic Aquarea Monoblok HP Generacja J - Aquarea skutecznie i wydajnie ogrzeje Twój dom nawet przy ekstremalnych temperaturach zewnętrznych. Aquarea może również chłodzić pomieszczenia latem i dostarczać ciepłą wodę użytkową przez cały rok. Seria przeznaczona do zastosowania w nowych instalacjach i budynkach energooszczędnych. Wyjątkowa wydajność i oszczędność energii przy minimalnej emisji CO₂ i kompaktowej budowie. Układ typu monoblok: tylko jednostka zewnętrzna. Instalacja nie wymaga przyłącza chłodniczego i jest podłączona tylko do obiegu ogrzewania i/lub ciepłej wody użytkowej.

Dostępne warianty:

- WH-MDC5J3E5
- WH-MDC7J3E5
- WH-MDC9J3E5
- WH-MDC12H6E5
- WH-MDC16H6E5

Funkcje

- Klasa efektywności energetycznej A+++ (temperatura wody na wylocie: 35°C w klimacie umiarkowanym)
- Wysoka wydajność grzewcza i chłodnicza, nawet w niskich temperaturach otoczenia
- Specjalne oprogramowanie dla domów energooszczędnych, minimalna temperatura na wylocie: 20°C
- Praca przy temperaturach sięgających nawet -20°C
- Sterowanie i obsługa za pośrednictwem chmury (niezbędny moduł CZ-TAW1)
- Łatwy w użyciu sterownik zdalny
- Produkcja CWU z zasobnikiem zewnętrznym
- Łatwa instalacja i konserwacja
- Wbudowany przepływomierz i automatyczny zawór oczyszczający powietrze

Dane techniczne

| | 1 FAZOWE | | | | | Jednostki Aquarea High Performance Generacja I typu monoblok, jednofazowe - Czynnik R410A | | | | | 1 FAZOWE | | |
|---|----------------|----------------|----------------|----------------|----------------|---|--|--|--|--|----------------|----------------|----------------|
| | 5 kW | 7 kW | 9 kW | 12 kW | 16 kW | Jednostki Aquarea High Performance Generacja I typu monoblok, jednofazowe - Czynnik R32 | | | | | 5 kW | 7 kW | 9 kW |
| Outdoor unit | WHMDC07HSE5 | WHMDC07HSE5 | WHMDC07HSE5 | WHMDC07HSE5 | WHMDC07HSE5 | Outdoor unit | | | | | WHMDC07JSE5 | WHMDC07JSE5 | WHMDC07JSE5 |
| Heating capacity (A+7°C, W 35°C) | 5,00 | 7,00 | 9,00 | 12,00 | 16,00 | Heating capacity (A+7°C, W 35°C) | | | | | 5,00 | 7,00 | 9,00 |
| COP (A+7°C, W 35°C) | 5,08 | 4,52 | 4,29 | 4,74 | 4,28 | COP (A+7°C, W 35°C) | | | | | 5,08 | 4,78 | 4,48 |
| Heating capacity (A+7°C, W 55°C) | 5,00 | 7,00 | 9,00 | 12,00 | 16,00 | Heating capacity (A+7°C, W 55°C) | | | | | 5,00 | 7,00 | 9,00 |
| COP (A+7°C, W 55°C) | 2,84 | 2,63 | 2,72 | 2,83 | 2,72 | COP (A+7°C, W 55°C) | | | | | 3,01 | 2,82 | 2,78 |
| Heating capacity (A+2°C, W 35°C) | 4,80 | 6,60 | 6,80 | 11,40 | 13,00 | Heating capacity (A+2°C, W 35°C) | | | | | 5,00 | 7,00 | 7,45 |
| COP (A+2°C, W 35°C) | 3,36 | 3,30 | 3,18 | 3,44 | 3,28 | COP (A+2°C, W 35°C) | | | | | 3,57 | 3,40 | 3,13 |
| Heating capacity (A+2°C, W 55°C) | 4,60 | 6,30 | 6,30 | 9,10 | 9,80 | Heating capacity (A+2°C, W 55°C) | | | | | 5,00 | 6,30 | 7,00 |
| COP (A+2°C, W 55°C) | 2,33 | 2,22 | 2,13 | 2,23 | 2,21 | COP (A+2°C, W 55°C) | | | | | 2,27 | 2,16 | 2,12 |
| Heating capacity (A-7°C, W 35°C) | 4,70 | 5,50 | 6,40 | 10,00 | 11,40 | Heating capacity (A-7°C, W 35°C) | | | | | 5,00 | 6,50 | 7,50 |
| COP (A-7°C, W 35°C) | 2,85 | 2,70 | 2,60 | 2,73 | 2,57 | COP (A-7°C, W 35°C) | | | | | 2,78 | 2,81 | 2,63 |
| Heating capacity (A-7°C, W 55°C) | 4,30 | 5,00 | 5,80 | 8,20 | 9,00 | Heating capacity (A-7°C, W 55°C) | | | | | 5,00 | 6,30 | 7,00 |
| COP (A-7°C, W 55°C) | 1,89 | 1,82 | 1,78 | 1,95 | 1,84 | COP (A-7°C, W 55°C) | | | | | 1,86 | 1,86 | 1,80 |
| Cooling capacity (A 35°C, W 7°C) | 4,50 | 6,00 | 7,00 | 10,00 | 12,20 | Cooling capacity (A 35°C, W 7°C) | | | | | 5,00 | 7,00 | 8,00 |
| EER (A 35°C, W 7°C) | 3,28 | 2,78 | 2,60 | 2,81 | 2,56 | EER (A 35°C, W 7°C) | | | | | 3,31 | 3,06 | 2,71 |
| Cooling capacity (A 35°C, W 18°C) | 5,10 | 6,00 | 7,00 | 10,00 | 12,20 | Cooling capacity (A 35°C, W 18°C) | | | | | 5,00 | 7,00 | 8,00 |
| EER (A 35°C, W 18°C) | 5,10 | 3,87 | 3,59 | 4,65 | 4,12 | EER (A 35°C, W 18°C) | | | | | 5,05 | 4,73 | 4,25 |
| Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | ns % | 199 / 130 | 190 / 130 | 190 / 130 | 190 / 134 | Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | | | | | ns % | 202 / 142 | 193 / 130 |
| Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 5,05 / 3,55 | 4,83 / 3,33 | 4,83 / 3,33 | 4,83 / 3,43 | Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | | | | | SCOP | 5,12 / 3,63 | 4,90 / 3,32 |
| Heating average climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A+++ / A++ | A+++ / A++ | A+++ / A++ | A+++ / A++ | Heating average climate. Energy class (W 35°C / W 55°C) (1) | | | | | A+++ to D | A+++ / A++ | A+++ / A++ |
| Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | ns % | 237 / 161 | 225 / 160 | 225 / 160 | 245 / 159 | Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | | | | | ns % | 237 / 165 | 227 / 160 |
| Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 6,00 / 4,10 | 5,70 / 4,08 | 5,70 / 4,08 | 6,20 / 4,05 | Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | | | | | SCOP | 6,00 / 4,20 | 5,75 / 4,07 |
| Heating warm climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A+++ / A+++ | A+++ / A+++ | A+++ / A+++ | A+++ / A+++ | Heating warm climate. Energy class (W 35°C / W 55°C) (1) | | | | | A+++ to D | A+++ / A+++ | A+++ / A+++ |
| Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | ns % | 160 / 115 | 160 / 115 | 160 / 115 | 168 / 121 | Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | | | | | ns % | 160 / 115 | 164 / 115 |
| Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 4,08 / 2,95 | 4,08 / 2,95 | 4,08 / 2,95 | 4,28 / 3,10 | Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | | | | | SCOP | 4,08 / 2,95 | 4,18 / 2,98 |
| Heating cold climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A+++ / A+ | A+++ / A+ | A+++ / A+ | A+++ / A+ | Heating cold climate. Energy class (W 35°C / W 55°C) (1) | | | | | A+++ to D | A+++ / A+ | A+++ / A+ |
| Outdoor sound power part load (Heat) (1) | dB(A) | 55 | 59 | 65 | 65 | Outdoor sound power part load (Heat) (1) | | | | | dB(A) | 59 | 59 |
| Outdoor sound power full load (Heat) | dB(A) | 65 | 68 | 69 | 69 | Outdoor sound power full load (Heat) | | | | | dB(A) | 64 | 68 |
| Outdoor sound power full load (Cool) | dB(A) | 65 | 66 | 67 | 68 | Outdoor sound power full load (Cool) | | | | | dB(A) | 65 | 67 |
| Outdoor dimension (Height) | mm | 865 | 865 | 865 | 1410 | Outdoor dimension (Height) | | | | | mm | 865 | 865 |
| Outdoor dimension (Width) | mm | 1283 | 1283 | 1283 | 1283 | Outdoor dimension (Width) | | | | | mm | 1283 | 1283 |
| Outdoor dimension (Depth) | mm | 320 | 320 | 320 | 320 | Outdoor dimension (Depth) | | | | | mm | 320 | 320 |
| Outdoor net weight | kg | 94 | 104 | 104 | 140 | Outdoor net weight | | | | | kg | 99 | 104 |
| Refrigerant (R32) / CO2 Eq. (2) | kg / T | 1,30 / 2714 | 1,35 / 2819 | 1,35 / 2819 | 2,10 / 4,385 | Refrigerant (R32) / CO2 Eq. (2) | | | | | kg / T | 1,3 / 0,878 | 1,3 / 0,878 |
| Refrigerant (R410A) / CO2 Eq. (2) | kg / T | 1,30 / 2714 | 1,35 / 2819 | 1,35 / 2819 | 2,10 / 4,385 | Refrigerant (R410A) / CO2 Eq. (2) | | | | | kg / T | 1,30 / 2714 | 1,30 / 2714 |
| Water pipe connector | inch | R 1 1/2 | R 1 1/2 | R 1 1/2 | R 1 1/2 | Water pipe connector | | | | | inch | R 1 1/2 | R 1 1/2 |
| Pump (Number of speeds) | Variable Speed | Variable Speed | Variable Speed | Variable Speed | Variable Speed | Pump (Number of speeds) | | | | | Variable Speed | Variable Speed | Variable Speed |
| Pump (Input power Min) | W | 34 | 36 | 39 | 34 | Pump (Input power Min) | | | | | W | 96 | 108 |
| Pump (Input power Max) | W | 96 | 100 | 110 | 120 | Pump (Input power Max) | | | | | W | 143 | 25,80 |
| Heating water flow (ΔT=5 K, 35°C) | L/min | 14,30 | 20,10 | 25,80 | 34,40 | Heating water flow (ΔT=5 K, 35°C) | | | | | L/min | 3 | 3,00 |
| Capacity of integrated electric heater | kW | 3,00 | 3,00 | 3,00 | 6,00 | Capacity of integrated electric heater | | | | | kW | 0,69 | 1,47 |
| Input power (Heat) | kW | 0,99 | 1,55 | 2,10 | 2,53 | Input power (Heat) | | | | | kW | 1,51 | 2,29 |
| Input power (Cool) | kW | 1,37 | 2,16 | 2,89 | 3,56 | Input power (Cool) | | | | | kW | 4,7 | 9,3 |
| Running and starting current (Heat) | A | 4,7 | 7,2 | 9,6 | 11,7 | Running and starting current (Heat) | | | | | A | 7,0 | 14,7 |
| Running and starting current (Cool) | A | 6,3 | 9,9 | 12,2 | 16,2 | Running and starting current (Cool) | | | | | A | 12,0 | 17 |
| Current 1 | A | 13 | 21 | 22,9 | 24 | Current 1 | | | | | A | 13 | 13 |
| Current 2 | A | 13 | 13 | 26 | 26 | Current 2 | | | | | A | 30 / 15 | 30 / 16 |
| Indoor recommended fuse | A | 30 / 15 | 30 / 15 | 30 / 16 | 30 / 30 | Indoor recommended fuse | | | | | A | 30 / 15 | 30 / 15 |
| Recommended cable size, supply 1 | mm² | 3 x 4,0 or 6,0 | 3 x 4,0 or 6,0 | 3 x 4,0 or 6,0 | 3 x 4,0 or 6,0 | Recommended cable size, supply 1 | | | | | mm² | 3 x 1,5 | 3 x 2,5 |
| Recommended cable size, supply 2 | mm² | 3 x 4,0 | 3 x 4,0 | 3 x 4,0 | 3 x 4,0 | Recommended cable size, supply 2 | | | | | mm² | 3 x 1,5 | 3 x 1,5 |
| Operation range - outdoor temperature (Heat) | °C | -20 - 35 | -20 - 35 | -20 - 35 | -20 - 35 | Operation range - outdoor temperature (Heat) | | | | | °C | -20 - 35 | -20 - 35 |