

## MONOBLOC HE R32



AW052MUCHA  
AW072MUCHA  
AW092MUCHA



AW112MXCHA



ATW-A02  
(optional)



HW-WA101DBT  
(standard)

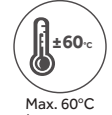
| Model                                                 |                  |              | AW052MUCHA             | AW072MUCHA    | AW092MUCHA    | AW112MXCHA    |
|-------------------------------------------------------|------------------|--------------|------------------------|---------------|---------------|---------------|
| Heating<br>(LWT 35°C / OAT 7°C)                       | Capacity         | kW           | 5.00                   | 7.00          | 9.00          | 11.00         |
|                                                       | Power input      | kW           | 0.99                   | 1.40          | 1.84          | 2.24          |
|                                                       | COP              | -            | 5.06                   | 5.00          | 4.90          | 4.90          |
| Heating<br>(LWT 55°C / OAT 7°C)                       | Capacity         | kW           | 5.00                   | 7.00          | 8.50          | 10.50         |
|                                                       | Power input      | kW           | 1.69                   | 2.41          | 3.09          | 3.50          |
|                                                       | COP              | -            | 2.95                   | 2.90          | 2.75          | 3.00          |
| Space heating<br>Average climate<br>water outlet 35°C | SCOP             | -            | 4.97                   | 4.95          | 4.95          | 4.70          |
|                                                       | ns               | %            | 196                    | 195           | 195           | 185           |
|                                                       | Energy class     | -            | A+++                   | A+++          | A+++          | A+++          |
| Space heating<br>Average climate<br>water outlet 55°C | SCOP             | -            | 3.52                   | 3.38          | 3.34          | 3.40          |
|                                                       | ns               | %            | 138                    | 132           | 131           | 133           |
|                                                       | Energy class     | -            | A++                    | A++           | A++           | A++           |
| Cooling<br>(LWT 18°C / OAT 35°C)                      | Capacity         | kW           | 5.00                   | 7.00          | 8.00          | 10.00         |
|                                                       | Power input      | kW           | 1.02                   | 1.44          | 1.86          | 2.27          |
|                                                       | EER              | -            | 4.90                   | 4.85          | 4.30          | 4.40          |
| Cooling<br>(LWT 7°C / OAT 35°C)                       | Capacity         | kW           | 5.00                   | 7.00          | 8.00          | 10.00         |
|                                                       | Power input      | kW           | 1.56                   | 2.19          | 2.76          | 3.23          |
|                                                       | EER              | -            | 3.20                   | 3.20          | 2.90          | 3.10          |
| Outdoor operating<br>temperature range                | Heating          | °C           | -25 ~ 35               | -25 ~ 35      | -25 ~ 35      | -25 ~ 35      |
|                                                       | Cooling          | °C           | 10~48                  | 10~48         | 10~48         | 10~48         |
| Leaving water<br>temperature range                    | Heating          | °C           | 25 ~ 60                | 25 ~ 60       | 25 ~ 60       | 25 ~ 60       |
|                                                       | Cooling          | °C           | 5~25                   | 5~25          | 5~25          | 5~25          |
| Water flow rate                                       |                  | L/min        | 14.3                   | 20.1          | 25.8          | 31.5          |
| Water piping connection                               |                  | inlet/outlet | inch                   | R 1           | R 1           | R 1           |
| Compressor                                            | Quantity         | -            | 1                      | 1             | 1             | 1             |
|                                                       | Type             | -            | DC inverter twin rotar |               |               |               |
| Refrigerant                                           | Type             | -            | R32                    |               |               |               |
|                                                       | Charge/CO2 Eq.   | kg/t         | 1.3/0.88               | 1.3/0.88      | 1.4/0.95      | 1.8/1.22      |
| Net dimension                                         | (WxHxD)          | mm           | 790×1250×380           | 790×1250×380  | 790×1250×380  | 880×1380×460  |
| Packing dimension                                     | (WxHxD)          | mm           | 1022x1395x550          | 1022x1395x550 | 1022x1395x550 | 1112x1526x630 |
| Net/Gross weight                                      |                  | kg           | 81/109                 | 81/109        | 85/113        | 108/148       |
| Sound power level                                     |                  | dB           | 60                     | 61            | 62            | 63            |
| Power supply                                          |                  | V/-/Hz       | 220-240/1/50           | 220-240/1/50  | 220-240/1/50  | 220-240/1/50  |
| Max. running current                                  |                  | A            | 12                     | 12            | 16            | 20            |
| Recommended<br>circuit breaker                        |                  | A            | 16                     | 16            | 20            | 25            |
| Accessory                                             | Wired controller | -            | HW-WA101DBT (standard) |               |               |               |
|                                                       | PCB Box          | -            | ATW-A02 (Optional)     |               |               |               |
|                                                       | Filter           | -            | Standard               |               |               |               |



R32



A+++ / A++



Max. 60°C  
hot water



Climate Curve



2 Zone Control



Auto Mode



Smart Grid



Modbus



DHW Tank  
Solar Control



Pool Heating



Anti-freezing

Note: 1. According to EN14511, EN14825 (EU) and No 811/2013(EU).

2. LWT: Leaving water temperature; OAT: Outdoor air temperature.

3. Sound level values are measured at a semi-anechoic room. And the sound power level values are based on measurement of EN2102-1 under conditions of EN14825.

4. PCB box is needed when using solar thermal function and pool heating function.

5. The above data may be changed without notice for future improvement on quality and performance.

# MONOBLOC<sup>HE</sup> R32



AW142(N)MXCHA  
AW162(N)MXCHA  
AW11NMXCHA  
AW14NMXCHA  
AW16NMXCHA



ATW-A02  
(optional)



HW-WA101DBT  
(standard)

| Model                                                 |                  |        | AW142MXCHA             | AW162MXCHA        | AW11NMXCHA        | AW14NMXCHA        | AW16NMXCHA        |
|-------------------------------------------------------|------------------|--------|------------------------|-------------------|-------------------|-------------------|-------------------|
| Heating<br>(LWT 35°C / OAT 7°C)                       | Capacity         | kW     | 14.00                  | 16.00             | 11.00             | 14.00             | 16.00             |
|                                                       | Power input      | kW     | 2.95                   | 3.53              | 2.24              | 2.95              | 3.53              |
|                                                       | COP              | -      | 4.75                   | 4.53              | 4.90              | 4.75              | 4.53              |
| Heating<br>(LWT 55°C / OAT 7°C)                       | Capacity         | kW     | 13.50                  | 15.20             | 10.50             | 13.50             | 15.20             |
|                                                       | Power input      | kW     | 4.82                   | 5.53              | 3.33              | 4.82              | 5.53              |
|                                                       | COP              | -      | 2.80                   | 2.75              | 3.00              | 2.80              | 2.75              |
| Space heating<br>Average climate<br>water outlet 35°C | SCOP             | -      | 4.65                   | 4.55              | 4.70              | 4.65              | 4.55              |
|                                                       | ns               | %      | 183                    | 179               | 185               | 183               | 179               |
|                                                       | Energy class     | -      | A+++                   | A+++              | A+++              | A+++              | A+++              |
| Space heating<br>Average climate<br>water outlet 55°C | SCOP             | -      | 3.45                   | 3.40              | 3.40              | 3.45              | 3.40              |
|                                                       | ns               | %      | 135                    | 133               | 133               | 135               | 133               |
|                                                       | Energy class     | -      | A++                    | A++               | A++               | A++               | A++               |
| Cooling<br>(LWT 18°C / OAT 35°C)                      | Capacity         | kW     | 13.50                  | 15.20             | 10.00             | 13.50             | 15.20             |
|                                                       | Power input      | kW     | 3.14                   | 3.80              | 2.27              | 3.14              | 3.80              |
|                                                       | EER              | -      | 4.30                   | 4.00              | 4.40              | 4.30              | 4.00              |
| Cooling<br>(LWT 7°C / OAT 35°C)                       | Capacity         | kW     | 12.00                  | 14.00             | 10.00             | 12.00             | 14.00             |
|                                                       | Power input      | kW     | 4.21                   | 5.28              | 3.23              | 4.21              | 5.28              |
|                                                       | EER              | -      | 2.85                   | 2.65              | 3.10              | 2.85              | 2.65              |
| Outdoor operating<br>temperature range                | Heating          | °C     | -25 ~ 35               | -25 ~ 35          | -25 ~ 35          | -25 ~ 35          | -25 ~ 35          |
|                                                       | Cooling          | °C     | 10~48                  | 10~48             | 10~48             | 10~48             | 10~48             |
| Leaving water<br>temperature range                    | Heating          | °C     | 25 ~ 60                | 25 ~ 60           | 25 ~ 60           | 25 ~ 60           | 25 ~ 60           |
|                                                       | Cooling          | °C     | 5~25                   | 5~25              | 5~25              | 5~25              | 5~25              |
| Water flow rate                                       |                  | L/min  | 40.1                   | 45.9              | 31.5              | 40.1              | 45.9              |
| Water piping connection                               | inlet/outlet     | inch   | R 1                    | R 1               | R 1               | R 1               | R 1               |
| Compressor                                            | Quantity         | -      | 1                      | 1                 | 1                 | 1                 | 1                 |
|                                                       | Type             | -      | DC inverter twin rotar |                   |                   |                   |                   |
| Refrigerant                                           | Type             | -      | R32                    |                   |                   |                   |                   |
|                                                       | Charge/CO2 Eq.   | kg/t   | 2.5/1.6                | 2.5/1.69          | 1.8/1.22          | 2.5/1.69          | 2.5/1.69          |
| Net dimension                                         | (WxHxD)          | mm     | 880 × 1380 × 460       | 880 × 1380 × 460  | 880 × 1380 × 460  | 880 × 1380 × 460  | 880 × 1380 × 460  |
| Packing dimension                                     | (WxHxD)          | mm     | 1112 × 1526 × 630      | 1112 × 1526 × 630 | 1112 × 1526 × 630 | 1112 × 1526 × 630 | 1112 × 1526 × 630 |
| Net/Gross weight                                      |                  | kg     | 117/157                | 117/157           | 108/148           | 117/157           | 117/157           |
| Sound power level                                     |                  | dB     | 65                     | 65                | 63                | 65                | 65                |
| Power supply                                          |                  | V/-/Hz | 220-240/1/50           | 220-240/1/50      | 380-415/3/50      | 380-415/3/50      | 380-415/3/50      |
| Max. running current                                  |                  | A      | 32                     | 32                | 10                | 12                | 12                |
| Recommended circuit breaker                           |                  | A      | 40                     | 40                | 16                | 16                | 16                |
| Accessory                                             | Wired controller | -      | HW-WA101DBT (standard) |                   |                   |                   |                   |
|                                                       | PCB Box          | -      | ATW-A02 (Optional)     |                   |                   |                   |                   |
|                                                       | Filter           | -      | Standard               |                   |                   |                   |                   |

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Max. 60°C hot water



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Pool Heating



Anti-freezing