



ADDITIONAL HOT WATER PREPARATION

Hot water module



Highlights

Efficient preparation of hot water for room heating + domestic hot water
Hot water preparation up to +50°C
Compatible with SMMS-e & SHRM-e outdoor units, max. 50% of the total capacity



Using hot water preparation for low-temperature systems, highly efficient room heating or domestic hot water generation is possible. For combination with VRF outdoor units from the SMMS-e and SHRM-e model series. Available in two power levels of 8.0 and 16.0 kW.



Performance

- Water outlet temperature +25 to +50°C
- Supply water temperature control
- Two modules per system possible
- Up to 50% of the connected total unit capacity



Technical Details

- Connectable capacity with standard indoor units and SMMS-e: up to 115%
- Connectable capacity with standard indoor units and SHRM-e: up to 200%
- Water pump, dirt trap & shutoff valves must be supplied externally
- Not suitable for connection to BMS systems
- Fresh-air duct unit & VN-HEXE heat exchanger cannot be connected in the same system

Hot water module

| Technical data | | | MMW-AP0561LQ-E |
|---|-------------------|---|-----------------|
| Heating capacity | kW | ☀ | 16,00 |
| Power consumption (min./nom./max.) | kW | ☀ | 0,014 |
| Sound pressure level (low/med/high) | dB(A) | ☀ | 27,0 |
| Liquid pipe diameter | mm (inch) | | 9,5 (3/8) |
| Suction gas pipe diameter | mm (inch) | | 15,9 (5/8) |
| Condensate pipe diameter | mm | | 25 |
| Power supply | V/Ph+N/Hz | | 220-240/1/50 |
| Running current | A | ☀ | 0,08 |
| Water connection | Inch | | 1 ¼ |
| Water flow rate (standard) | m ³ /h | | 2,75 |
| Pressure loss (standard water flow rate) | bar | | 0,44 |
| Operating range, indoor, DB (min.-max.) | °C | | +5 / +32 |
| SMMS-e operating range, outdoor, DB (min.-max.) | °C | | -25 / +21 |
| SMMS-e operating range, outdoor, WB (min.-max.) | °C | | -25 / +19 |
| SHRM-e operating range, outdoor, DB (min.-max.) | °C | | -25 / +40 |
| SHRM-e operating range, outdoor, WB (min.-max.) | °C | | -25 / +28 |
| Water inlet operating range (min.-max.) | °C | | +15 / +45 |
| Water outlet operating range (min.-max.) | °C | | +25 / +50 |
| Refrigerant | | | R410A |
| Dimensions (HxWxD) | mm | | 580 x 400 x 250 |
| Weight | kg | | 20,30 |

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at <http://www.toshiba-klima.at/en/measuring-conditions.html>



Energy Label: Energy label **A+ to A+++**, indicates the power consumption and energy efficiency class.



HI POWER: Particularly strong airflow for quickly reaching the requested temperature.



ErP Ecodesign: All criteria of **ECODESIGN**-guideline are fulfilled and confirm highest system efficiency.



Auto diagnostic: Check of system for flawless operation.



Hybrid inverter control: Smooth capacity regulation.



Eco Mode: Energy saving function.



Rotary compressor: Reliability and high efficiency.



Quiet Mode: Particularly low noise level - whispering mode.



Twin rotary compressor: Long-lasting, smoothly running and highest efficiency.



Comfort Sleep: Gradual increase of temperature by 2 °C until morning.



R410A: Used refrigerant: R410A.



Power Selection: Capacity regulation and therefore power savings of up to 25, 50 or 75%.



R32: Used refrigerant: R32.



Floor Mode: Natural floor warming effect for greater comfort.



Wifi ready: Optional control of the system via a smartphone.



Preset Mode: Activates individual settings at the touch of a button.



KNX: Optional KNX bus connection.



One Touch Mode: Fully automatic operation adapted to your needs.



Dust filter: Washable filter against coarse contamination.



Timer: Individual programming of on-/off times.



IAQ filter: Fine mesh filter with natural substances.



Off Timer: Shutdown of the unit at chosen times (30 min to 12 h).



Active carbon-catechin filter: Cleansing filter with enzymes from green tea.



Week Timer: Up to four settings per day and seven per week.



Plasma filter: Pure Mode: Electrostatic filter system.



Automatic Restart: After a power blackout.



Air ionizer: Negative ions cover polluted particles in the air. Dust, pollen and smoke are neutralized.



8 °C frost protection function: Frost protection for uninhabited rooms.



Self-cleaning function: Usage of condensate water for cleaning.



Louver: Flexible setting of louvers.



Auto Mode: Automatic selection between cooling and heating.



3D Airflow: 6 different airflow patterns in all directions.