

VERSATILE WORKHORSE

## Digital Inverter R32



Symbol photo



### Highlights

- Compact, light & quiet
- Optimal ratio of power to installation surface
- Twin-rotary compressor



Digital Inverter outdoor unit for RAV single-room systems with refrigerant R32 for cooling or heating with a wide performance spectrum. Available in six power levels from 2.5 to 12.0 kW.



### Performance

- Suitable for 24/7 continual operation
- Very good energy efficiency values (up to A+++)
- SEER values up to 6.34 possible depending on the combination
- SCOP values up to 4.60 possible depending on the combination
- Exceptionally high efficiency in the partial load range
- Controls at the lowest, min. capacities
- Corresponds to the ECODSIGN Lot 10 Directive



### Flexibility

- Max. pipe lengths up to 50 m
- Max. height differences up to 30 m
- Flexible control options
- Wide operating temperature range from -15 to +46 °C



### Technical details

- Direct current hybrid inverter technology
- All units 1-phase, 230 V available
- Power capacities of 10 & 12 kW; alternative 3-phase, 400V available
- Inspection window simplifies maintenance
- Kit available for noise reduction & power limitation
- Night Operation setting
- Save Operation setting for requirement limitation of 50% to 100%

## Digital Inverter R32

| Technical data                                  |           |    | RAV-GM301ATP-E  |
|---|-----------|----|-----------------|
| Cooling capacity                                | kW        | ❄️ | 2,50            |
| Outdoor temperature operating range (min.-max.) | °C        | ❄️ | -15/+46         |
| Heating capacity                                | kW        | 🔥  | 3,40            |
| Outdoor temperature operating range (min.-max.) | °C        | 🔥  | -15/+15         |
| Sound pressure level (low/med/high)             | dB(A)     | ❄️ | 46              |
| Sound pressure level (low/med/high)             | dB(A)     | 🔥  | 47              |
| Sound pressure level (night operation)          | dB(A)     |    | 43/44           |
| Sound power level                               | dB(A)     | ❄️ | 61              |
| Sound power level                               | dB(A)     | 🔥  | 62              |
| Suction gas pipe diameter                       | mm (inch) |    | 9,5 (3/8)       |
| Liquid pipe diameter                            | mm (inch) |    | 6,3 (1/4)       |
| Pipe length (min.)                              | m         |    | 2               |
| Pipe length (max.)                              | m         |    | 20              |
| Height difference (max.)                        | m         |    | 10              |
| Airflow   | m³/h      |    | 1800            |
| Power supply                                    | V/Ph+N/Hz |    | 220-240/1N/50   |
| Recommended fusing                              | A         |    | 10              |
| Current consumption (nom.)                      | A         |    | 2,7             |
| Current consumption (max.)                      | A         |    | 7,8             |
| Recommended power supply line type              |           |    | H07RN-F 3G1,5   |
| Communication line                              |           |    | H07RN-F 4G1,5   |
| Compressor type                                 |           |    | Twin-Rotary     |
| Refrigerant                                     |           |    | R32             |
| Refrigerant charge                              | kg        |    | 0,60            |
| Pre-charged up to                               | m         |    | 15              |
| Added refrigerant charge                        | g/m       |    | 20              |
| Dimensions (HxWxD)                              | mm        |    | 550 x 780 x 290 |
| Weight  | kg        |    | 33              |

❄️ 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.



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



**Hybrid inverter control:** Smooth capacity regulation.



**Rotary compressor:** Reliability and high efficiency.



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



**R410A:** Used refrigerant: R410A.



**R32:** Used refrigerant: R32.



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



**KNX:** Optional KNX bus connection.



**Dust filter:** Washable filter against coarse contamination.



**IAQ filter:** Fine mesh filter with natural substances.



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



**Plasma filter: Pure Mode:** Electrostatic filter system.



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



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



**Auto Mode:** Automatic selection between cooling and heating.



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



**Auto diagnostic:** Check of system for flawless operation.



**Eco Mode:** Energy saving function.



**Quiet Mode:** Particularly low noise level - whispering mode.



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



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



**Floor Mode:** Natural floor warming effect for greater comfort.



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



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



**Timer:** Individual programming of on-/off times.



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



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



**Automatic Restart:** After a power blackout.



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



**Louver:** Flexible setting of louvers.



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