



## ROBUST POWERHOUSE

# Digital Inverter BIG R32



### Highlights

- Versatile with a high capacity
- Controllable min. capacity up to 17% of nominal capacity
- 1:1 single or up to 4 indoor units can be connected



Digital Inverter BIG outdoor unit with refrigerant R32 for cooling or heating. For 1:1 combination with high-pressure duct units and valve kits as well as with up to four indoor units in twin/double twin/triple operation. Available in power levels 19.0 and 22.5 kW (c).



### Performance

- Suitable for 24/7 continual operation
- Best-in-class energy efficiency values
- Exceptionally high efficiency in the partial load range
- Controls at the lowest, min. capacities



### Flexibility

- Max. pipe lengths up to 100 m
- Max. height differences up to 30 m
- Up to 4 indoor units can be connected
- Flexible control options
- Extreme outside temperature operating range from -27 to +52°C
- Optimal ratio of unit capacity to installation surface



### Technical details

- Direct current hybrid inverter technology
- Twin-rotary compressor
- Power supply 3-phase, 400 V
- Kit available for noise reduction & power limitation
- Integrated leak detection (with RBC-AMS54E-ES remote control)

## Digital Inverter BIG R32

Technical data			RAV-GM2241AT8-E
Cooling capacity	kW	❄️	19,00
Cooling range (min.-max.)	kW	❄️	4,60 - 22,40
Power consumption (min./nom./max.)	kW	❄️	1,27/5,86/9,05
Energy efficiency EER	W/W	❄️	3,24
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	22,40
Heating range (min.-max.)	kW	🔥	4,60 - 25,00
Power consumption (min./nom./max.)	kW	🔥	1,27/5,71/10,15
Energy efficiency COP	W/W	🔥	3,92
Outdoor temperature operating range (min.-max.)	°C	🔥	-20/+15
Sound pressure level (low/med/high)	dB(A)	❄️	58
Sound pressure level (low/med/high)	dB(A)	🔥	60
Sound pressure level (night operation)	dB(A)		53/55
Sound power level	dB(A)	❄️	76
Sound power level	dB(A)	🔥	76
Suction gas pipe diameter	mm (inch)		28,6 (1 1/8)
Liquid pipe diameter	mm (inch)		12,7 (1/2)
Pipe length (min.)	m		5
Pipe length (max.)	m		100
Height difference (max.)	m		30
Airflow	m <sup>3</sup> /h		9150
Power supply	V/Ph+N/Hz		380-415/3N/50
Recommended fusing	A		3x 20
Current consumption (nom.)	A		9,1
Current consumption (max.)	A		18,0
Recommended power supply line type			H07RN-F 5G2,5
Communication line			H07RN-F 4G1,5
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		5,00
Pre-charged up to	m		30
Added refrigerant charge	g/m		40
Dimensions (HxWxD)	mm		1550 x 1010 x 370
Weight	kg		142

❄️ 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.