



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-GM2801AT8-E
Cooling capacity	kW	❄️	22,50
Cooling range (min.-max.)	kW	❄️	4,60 - 27,00
Power consumption (min./nom./max.)	kW	❄️	1,27/7,98/11,87
Energy efficiency EER	W/W	❄️	2,82
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	27,00
Heating range (min.-max.)	kW	🔥	4,60 - 31,50
Power consumption (min./nom./max.)	kW	🔥	1,27/7,52/13,83
Energy efficiency COP	W/W	🔥	3,59
Outdoor temperature operating range (min.-max.)	°C	🔥	-20/+15
Sound pressure level (low/med/high)	dB(A)	❄️	61
Sound pressure level (low/med/high)	dB(A)	🔥	63
Sound pressure level (night operation)	dB(A)		56/58
Sound power level	dB(A)	❄️	78
Sound power level	dB(A)	🔥	80
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 ³ /h		10890
Power supply	V/Ph+N/Hz		380-415/3N/50
Recommended fusing	A		3x 25
Current consumption (nom.)	A		12,5
Current consumption (max.)	A		23,0
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		80
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.