

HIGHLY EFFICIENT ENDURANCE RUNNER

## Super Digital Inverter R32



Symbol photo



### Highlights

- Highly efficient, compact & quiet
- Wide operating temperature range
- Twin-rotary compressor



Super Digital Inverter outdoor unit with refrigerant R32 for cooling or heating with a wide performance spectrum. Available in five capacities from 5.3 to 14.0 kW.



### Performance

- Suitable for 24/7 continual operation
- Very good energy efficiency values (up to A+++)
- SEER values up to 9.40 possible depending on the combination
- SCOP values up to 5.52 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 75 m
- Max. height differences up to 30 m
- Wide operating temperature range from -27 to +52 °C
- Optimal ratio of unit capacity to installation surface



### Technical details

- Direct current hybrid inverter technology
- Twin-rotary compressor
- Kit available for noise reduction & power limitation
- Energy monitoring for single-phase systems with RBC-AMS55E



## Super Digital Inverter R32

Technical data			RAV-GP1601AT8-E
Cooling capacity	kW	❄️	14,00
Cooling range (min.-max.)	kW	❄️	2,60 - 16,00
Power consumption (min./nom./max.)	kW	❄️	0,66/4,34/5,70
Energy efficiency EER	W/W	❄️	3,23
Energy efficiency SEER		❄️	6,72
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	16,00
Heating range (min.-max.)	kW	🔥	2,40 - 19,00
Power consumption (min./nom./max.)	kW	🔥	0,53/4,28/6,51
Energy efficiency COP	W/W	🔥	3,74
Energy efficiency SCOP		🔥	4,36
Outdoor temperature operating range (min.-max.)	°C	🔥	-20/+15
Sound pressure level (low/med/high)	dB(A)	❄️	51
Sound pressure level (low/med/high)	dB(A)	🔥	53
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	45
Sound power level	dB(A)	❄️	68
Sound power level	dB(A)	🔥	70
Suction gas pipe diameter	mm (inch)		15,9 (5/8)
Liquid pipe diameter	mm (inch)		9,5 (3/8)
Pipe length (min.)	m		5
Pipe length (max.)	m		75
Height difference (max.)	m		30
Airflow	m <sup>3</sup> /h		6180
Power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Running current	A	❄️	6,91 - 7,55
Running current	A	🔥	6,65 - 7,26
Current consumption (nom.)	A		3x 7,50
Current consumption (max.)	A		3x 16,40
Recommended power supply line type			H07RN-F 5G2,5
Communication line			H07RN-F 4G1,5
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		2,60
Pre-charged up to	m		30
Added refrigerant charge	g/m		40
Dimensions (HxWxD)	mm		1340 x 900 x 320
Weight	kg		95

❄️ Cooling 🔥 Heating

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



In order to make it easier for you to select the optimal product, you can find the description of the special TOSHIBA product functions for your model here:



**R32:** Used refrigerant: R32.

