

VERSATILE WORKHORSE

Digital Inverter Next R32



Symbol photo

→ Highlights

- NEXT level: compact – durable – efficient
- Easy-install features
- Easy commissioning functions
- 3-level silent setting

Digital-Inverter NEXT outdoor units for RAV single-room systems with refrigerant R32, for cooling- or heating operation with a wide performance spectrum. To be combined with SL indoor units (RAV-HM models). Available in eight capacity levels from 2,5 to 14,0 kW cooling capacity.

→ Performance

- Suitable for 24/7 continual operation
- Exceptionally high efficiency in part load range
- Controls at the lowest minimum capacities
- Small and light chassis
- Corresponds to the ECODESIGN Lot 10 Directive

→ Flexibility

- Max. pipe lengths up to 50 m
- Max. height differences up to 30 m
- Flexible control options available
- Wide operating temperature range

→ Technical details

- Twin rotary compressor
- Direct current hybrid inverter technology
- All units 1-phase, 230 V available
- Capacities 10, 12, 14 kW alternative 3-phase, 400V available
- Inspection window simplifies maintenance
- Kit available for noise reduction, max. capacity control, compressor operating signal
- 3-stage night operation adjustable
- Save Operation setting for demand limitation of 50% to 100%

→ The Digital Inverter NEXT system

- 100% TU2C-link compatibility
- Special functions with SL indoor units
- Special solutions for Technical Cooling /IT
- Backup / rotation / redundancy functions
- Free Cooling control
- Power Shift increases lifetime and saves energy
- Supports new comfort remote control RBC-AMSU52-E
- Supports new comfort remote control RBC-AWSU52-E with Bluetooth functionality
- Special Easy Commissioning solutions
- Special Quick Service Tools
- Commissioning Mode for clear display of all sensor data
- Easy Monitor menu to check all sensor information
- Easy I.DN Setting for easy DN code setting
- Pressure Estimation Display during test run
- Refrigerant amount check



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Technical data			RAV-GM1402AT8W-E
Cooling capacity	kW	❄️	12,00
Cooling range (min.-max.)	kW	❄️	3,00 - 13,20
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	14,00
Heating range (min.-max.)	kW	🔥	3,00 - 16,00
Outdoor temperature operating range (min.-max.)	°C	🔥	-15/+15
Sound pressure level (low/med/high)	dB(A)	❄️	56
Sound pressure level (low/med/high)	dB(A)	🔥	56
Sound power level	dB(A)	❄️	73
Sound power level	dB(A)	🔥	74
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		50
Height difference (max.)	m		30
Airflow	m ³ /h		4950
Power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Current consumption (nom.)	A		3x 6,80
Current consumption (max.)	A		3x 13,40
Recommended power supply line type			H07RN-F 5G2,5
Communication line			H07RN-F 4G1,5
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		2,10
Pre-charged up to	m		30
Added refrigerant charge	g/m		35
Dimensions (HxWxD)	mm		1050 x 1010 x 370
Weight	kg		85

❄️ Cooling 🔥 Heating

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

