



## PERFECT AMBIANCE

### Ceiling unit R32/R410A



#### Highlights

- Attractive design
- Low noise level
- Optimal air distribution in cooling & heating mode

Under-ceiling unit for RAV single-room systems for combination with Digital Inverter, Super Digital Inverter, and BIG Digital Inverter outdoor units for refrigerant R32 or R410A. Elegant design with rounded edges and a large air control fin for optimal air circulation. Available in five power levels from 3.6 to 12.5 kW.



#### Performance

- Extremely high energy efficiency (up to A+++)
- Optimal temperature distribution right down to the floor in heating mode
- High-performance heat exchanger
- Self-cleaning function
- Low-noise 3-stage fan
- Quiet function
- Auto diagnostic system



#### Flexibility

- Compatible with R32 or R410A outdoor units
- Optimal air distribution, even in high spaces
- Easy-to-remove, washable dust filters
- Additional TCB-PCUC2E board available for external analog & digital control
- Optional WiFi control via smartphone, tablet, or PC



#### Technical details

- Easy installation via removable suspension fixtures
- Optional TCB-DP31CE drain pump available
- Receiver for infrared remote control can be integrated
- Can be combined with all cable remote controls
- Can be integrated into VRF control systems via a TCC link
- Automatic restart setting after power outage
- Optional redundancy box available



## Ceiling unit R32/R410A / SET

Indoor unit	RAV-RM1601CTP-E		
Outdoor unit	RAV-GM1601AT8P-E		
Cooling capacity	kW	❄️	14,00
Cooling range (min.-max.)	kW	❄️	3,00 - 16,00
Power consumption (min./nom./max.)	kW	❄️	4,65
Energy efficiency EER	W/W	❄️	3,12
Energy efficiency SEER		❄️	5,90
Annual electricity consumption	kWh/a	❄️	1432
Outdoor temperature operating range (min.-max.)	°C	❄️	-15 / +46
Heating capacity	kW	🔥	16,00
Heating range (min.-max.)	kW	🔥	3,00 - 18,00
Power consumption (min./nom./max.)	kW	🔥	4,69
Energy efficiency COP	W/W	🔥	3,47
Energy efficiency SCOP		🔥	4,35
Annual electricity consumption	kWh/a	🔥	2732
Outdoor temperature operating range (min.-max.)	°C	🔥	-15 / +15

Indoor unit	RAV-RM1601CTP-E		
Sound pressure level (low/med/high)	dB(A)	❄️	36/42/46
Sound pressure level (low/med/high)	dB(A)	🔥	36/42/46
Sound power level	dB(A)	❄️	51/57/61
Sound power level	dB(A)	🔥	51/57/61
Airflow	m <sup>3</sup> /h		1260/1650/2040
Condensate pipe diameter	mm		VP20
Dimensions (HxWxD)	mm		235 x 1586 x 690
Weight	kg		37

❄️ Cooling 🔥 Heating



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Outdoor unit			RAV-GM1601AT8P-E
Power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Communication line			H07RN-F 4G1,5
Sound pressure level (low/med/high)	dB(A)	❄️	53
Sound pressure level (low/med/high)	dB(A)	☀️	55
Sound power level	dB(A)	❄️	70
Sound power level	dB(A)	☀️	72
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 <sup>3</sup> /h		6900
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		2,40
Pre-charged up to	m		30
Added refrigerant charge	g/m		40
Dimensions (HxWxD)	mm		1340 x 900 x 320
Weight	kg		94

❄️ Cooling ☀️ Heating

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

### Accessories

### Description

