



With full power

High-pressure duct unit R32



Highlights

- High, external, static compression
- Compact & light chassis
- Optimal air distribution possible

High-pressure duct unit for RAV one-room systems for 1:1 combination with BIG Digital Inverter outdoor units for refrigerant R32. Due to the high static compression, this unit is best suited for large spaces. Available in two power levels, 19.0 and 22.5 kW.



Performance

- High-performance heat exchanger
- Self-cleaning function
- Low-noise, 3-stage fan
- External, static compression can be set up to 250 Pa
- Auto diagnostic system



Flexibility

- Air intake from behind
- Optimal for combination with textile air hoses
- Customized external air filter settings
- Optional WiFi control via smartphone, tablet, or PC



Technical details

- TCB-DP40DPE drain pump optionally available
- External receiver kit for infrared remote control possible
- 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



High-pressure duct unit R32 / SET

Indoor unit	RAV-RM2801DTP-E2		
Outdoor unit	RAV-GM2801AT8-E1		
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
Energy efficiency SEER		❄️	5,49
Energy efficiency class		❄️	n/a
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
Energy efficiency SCOP		🔥	3,69
Energy efficiency class		🔥	n/a
Outdoor temperature operating range (min.-max.)	°C	🔥	-20/ +15

Indoor unit	RAV-RM2801DTP-E2		
Sound pressure level (low/med/high)	dB(A)	❄️	38/42/46
Sound pressure level (low/med/high)	dB(A)	🔥	38/42/46
Sound power level	dB(A)	❄️	73/77/81
Sound power level	dB(A)	🔥	73/77/81
Airflow	m ³ /h		4800
External static pressure	Pa		50/150/250
Condensate pipe diameter	mm		VP25
Dimensions (HxWxD)	mm		448 x 1400 x 900
Weight	kg		97

❄️ Cooling 🔥 Heating



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Outdoor unit			RAV-GM2801AT8-E1
Power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 25
Communication line			H07RN-F 4G1,5
Running current	A	❄️	11,94 - 13,04
Running current	A	🔥	11,64 - 12,71
Current consumption (nom.)	A		12,45
Current consumption (max.)	A		23,0
Sound pressure level (low/med/high)	dB(A)	❄️	61
Sound pressure level (low/med/high)	dB(A)	🔥	63
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		60
Height difference (max.)	m		30
Airflow	m ³ /h		10890
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		5,0
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 <https://www.toshiba-aircondition.com/en/measuring-conditions.html>

Accessories	Description
RBC-AMTU31-E	Standard Wired Remote Control
RBC-AXU31-E	Infrared remote control with external receiver kit for all indoor units
TCB-DP40DPE	Drain pump, RAV: 22 + 28 / VRF: 72 + 96
TCB-LK2801DP-E	Long Life Airfilter kit, for model sizes RAV: 22 + 28 / VRF: 72 + 96
TCB-PCUC2E	Control board for external control, alarms and messages

