



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-E
Outdoor unit			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
Energy efficiency SEER		❄️	4,64
Energy efficiency class		❄️	n/a
Annual electricity consumption	kWh/a	❄️	2212
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		🔥	3,44
Energy efficiency class		🔥	n/a
Annual electricity consumption	kWh/a	🔥	6780
Outdoor temperature operating range (min.-max.)	°C	🔥	-20/ +15

Indoor unit			RAV-RM2801DTP-E
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 <sup>3</sup> /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-E		
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 <sup>3</sup> /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>

