

TAILORED SOLUTIONS FOR BUSINESSES



TOSHIBA

 *Better Air Solutions*

CHOOSE THE EXPERT OF INSPIRED TECHNOLOGIES

Timeless legacy committed to innovation

Since Toshiba Air Conditioning developed and mass-produced the world's-first inverter split air conditioners for commercial and residential applications in the 1980s, inverter technology has been widely used throughout the world to deliver outstanding comfort with high energy efficiency levels. A legacy that evolves to tackle today's challenges: discover our latest innovations for enhanced experiences.

Powerful solutions for commercial settings

Available in 8 and 10HP capacities, the **Toshiba Big Digital Inverter Series 3** outdoor units, takes advantage of cutting-edge features, to lead the way in efficiency. Discover how smart technologies can elevate your business activities providing a unique opportunity to enhance practical features for greater comfort and profitability.

Maximum
SEER 6.30*

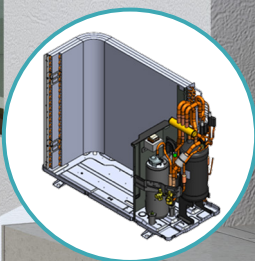
Maximum
SCOP 3.80*

1-FAN CONCEPT

For even higher performances compared to the legacy 2-fan chassis

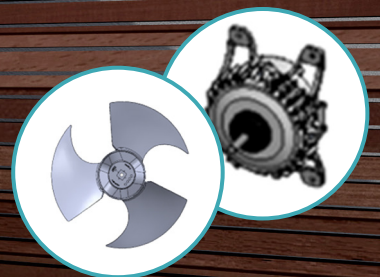
**22% SMALLER
& 18% LIGHTER**

Than the legacy model for facilitated handling and installation



HEAT EXCHANGER

New compact in height 3-row design for a wider operating range.

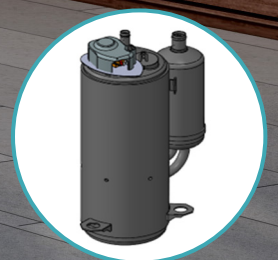


FAN-MOTOR ASSEMBLY

New larger fan and powerful motor adapted to the 3-row heat exchanger air volume.

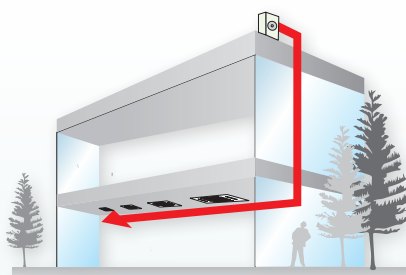
COMPRESSOR

Highly efficient inverter twin-rotary compressor ranking among the best on the market as of today.



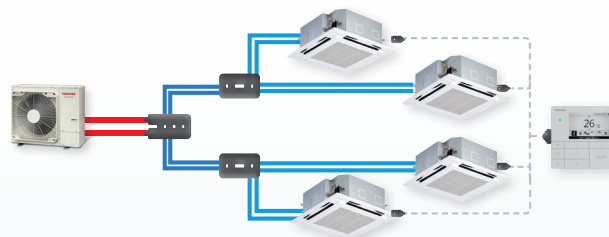
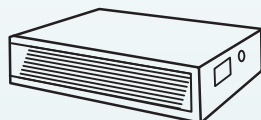
Flexible combinations for extended project coverage

Optimize your indoor environment with the **Toshiba Big Digital Inverter Series 3, an advanced solution** designed to deliver both cooling and heating to light commercial spaces and small offices. Equipped with innovative functions focused on enhancing efficiency and reliability, this range is engineered to improve the experience for owners and installers.

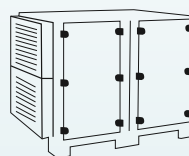


Benefit from a true piping design adaptability to cover a large range of applications. The installation can reach up to 100m total piping length and 30m in elevation.

Unparalleled experience with **Toshiba's most powerful ducted unit**: the High Static Pressure Duct completes the existing broad selection of eight indoor unit ranges.



Up to 36 combinations of outdoor and indoor units are available to ensure numerous projects can be covered with premium comfort levels. The wired remote controller RBC-AWSU52-E or RBC-AMSU52-E connected to the master indoor unit allows the control from a distance.



The Toshiba controller TCB-IFDLR01UP-E serves as an interface for controlling the DX coil in third-party air handling units for enlarged system typologies. Also suitable for clean and machine rooms.

Smart features for seamless management



Acoustic comfort

3-step night mode to achieve noise level reduction by up to 10dB(A).



Snow cleaning

Blow out the snow from the condensing unit even if the compressor is not in operation.

For multi-system configuration



Power shift

Achieve greater energy efficiency, a feature that balances load distribution across units. This intelligent load-sharing function optimizes energy use, reducing overall power consumption while maximizing system performance.



Backup function

A backup unit offers a rapid transition, taking over when the primary unit encounters issues.



Efficient defrost

Defrost operation does not happen at the same time in all the outdoor units.

Easy control

The Big Digital Inverter is even smarter thanks to the interface BMS-IWF0010UCP-E allowing Wi-Fi control. This intuitive Toshiba Home AC Control app, allows you to easily set the perfect cooling or heating temperatures at any time, no matter where you are. The indoor unit forced operation controls such as Drain pump, fan and flap operation can also be checked.



BMS-IWF0010UCP-E



Download on the
App Store

ANDROID APP ON
Google play

Installer-friendly setup & monitoring

In addition to the high efficiency, flexibility and reliability of Big Digital Inverter, discover further functionalities added for commissioning and maintenance.

LC Easy Monitor

Another dedicated menu is available to check:

- Each sensor status and the estimated air discharge temperature.
- The refrigerant leakage status.

- The estimated heat exchanger pressure level.
- Filter clogging.
- Inspection window to check the unit status without opening the inverter box.

Easy I.D.N Setting

For time saving commissioning, benefit from a specific menu called "Easy I.D.N Setting" to rapidly set up 12 system parameters.

Performance data with High Static Duct









Outdoor unit			RAV-GM2243AT8P-E	RAV-GM2803AT8P-E
Indoor unit (High Static Duct)			RAV-RM2241DTP-E2	RAV-RM2801DTP-E2
Cooling capacity	kW		19.0	22.5
Cooling range (min. - max.)	kW		4.6 - 22.4	4.6 - 25.0
Power input (rated)	kW	C	5.97	8.18
EER	W/W		3.18	2.75
SEER			6.30	5.50
Seasonal electricity consumption	kWh/a	C	1,809	2,454
Heating capacity	kW		22.4	24.0
Heating range (min. - max.)	kW		4.6 - 25.0	4.6 - 28.0
Power input (rated)	kW	H	6.91	7.62
COP	W/W		3.24	3.15
SCOP			3.80	3.70
Seasonal electricity consumption	kWh/a	H	4,200	4,652

Physical data outdoor - Three phase

Outdoor unit			RAV-GM2243AT8P-E	RAV-GM2803AT8P-E
			8HP	10HP
Airflow	m³/h - l/s		6,600	7,600
Sound pressure level	dB(A)	C	58	61
Sound power level	dB(A)	C	75	78
Operating range	°C	C	-20~46	-20~46
Sound pressure level	dB(A)	H	60	63
Sound power level	dB(A)	H	77	80
Operating range	°C	H	-27~15	-27~15
Dimensions (HxWxD)	mm		890x1,100x460	890x1,100x460
Weight	kg		117	117
Compressor type			DC Twin Rotary	DC Twin Rotary
Flare connections				
Gas	in		1 1/8	1 1/8
Liquid	in		1/2	1/2
Minimum pipe length	m		5	5
Maximum pipe length	m		100	100
Maximum height difference	m		30	30
Chargeless pipe length	m		30	30
Refrigerant	Type/kg/TeqCO ₂		R32 / 4.6 / 3.12	R32 / 4.6 / 3.12
Power supply	V-ph-Hz		380/415-3-50 380-3-60	380/415-3-50 380-3-60

C: cooling mode / H: heating mode

RAV-GM2243AT8JP-E	Heavy Corrosion Protection
RAV-GM2803AT8JP-E	Heavy Corrosion Protection

										
			HIGH-STATIC DUCT	STANDARD 4-WAY CASSETTE	COMPACT 4-WAY CASSETTE	SLIM DUCT	STANDARD DUCT	CEILING	HIGH-WALL	FLOOR STANDING
8HP	Single	x 1 (Size 224)	✓							
	Twin	x 2 (Size 110)		✓			✓	✓	✓	✓
	Triple	x 3 (Size 80)		✓		✓	✓	✓	✓	✓
	Double Twin	x 4 (Size 56)		✓	✓	✓	✓	✓	✓	✓
10HP	Single	x 1 (Size 280)	✓							
	Twin	x 2 (Size 140)		✓			✓	✓		✓
	Triple	x 3 (Size 80)		✓		✓	✓	✓	✓	✓
	Double Twin	x 4 (Size 80)		✓		✓	✓	✓	✓	✓