

TOSHIBA

AIR CONDITIONING



U l t i m a t e C o m f o r t

M U L T I S Y S T E M

Greater flexibility brings greater comfort



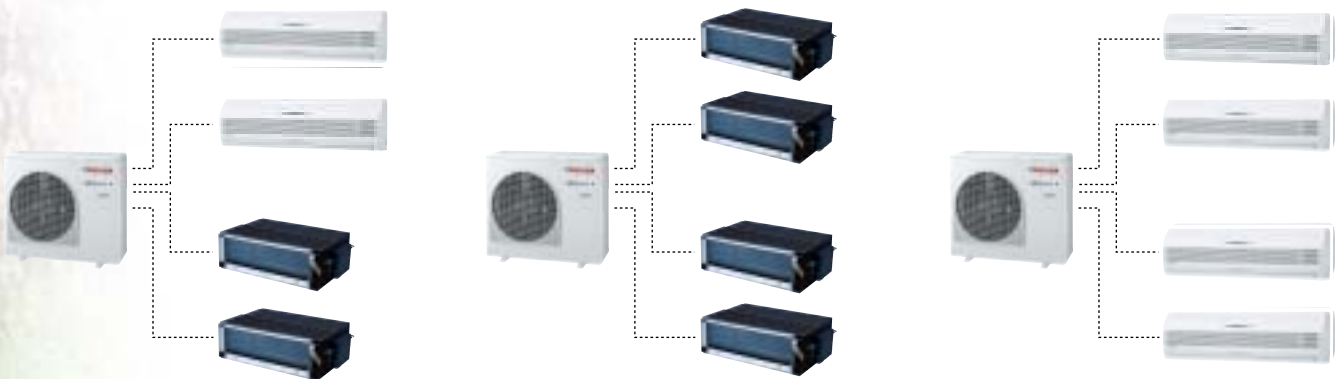
Wider Selection

Toshiba's Multi System, featuring our exclusive DC Digital Hybrid Inverter, gives you a full range of choices to create just the natural comfort you desire. The introduction of our ceiling mounted ducted type models, along with our improved Hi-Wall lineup, offers a greater selection of products. You will enjoy the highest degree of comfort and reliability while decreasing energy consumption. Mix and Match indoor units to suit your requirements.

The Ultimate in Performance

Toshiba's inverter multi system allows you to cool down and warm up as many as 4 rooms. The outdoor capacity can be as high as 11kW while the indoor units range from 2.7 to 4.5kW. Additionally, you will achieve the desired temperature quicker and maintain it with small fluctuations due to the smooth modulating output of our DC Digital Hybrid Inverter.

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Inverter Technology in Touch with You

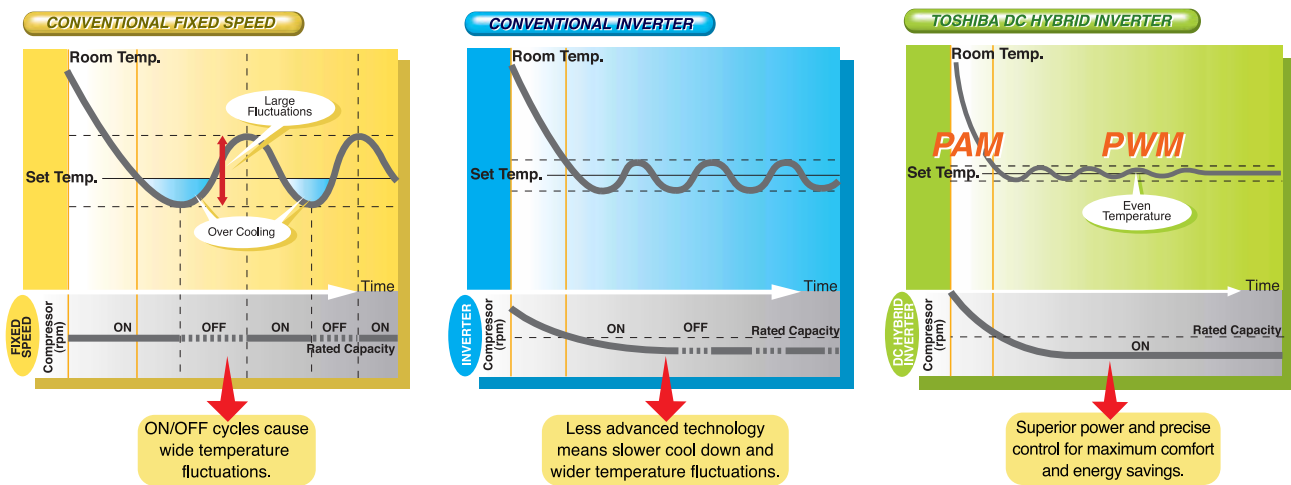
Constant, natural comfort

Toshiba's latest technological breakthrough, the Digital Hybrid Inverter, integrates two distinct control modules to generate constant, natural comfort and maximum energy efficiency.

At start up, the Pulse Amplitude Modulation (PAM) module sets the compressor at maximum power, providing fast cooling or heating to achieve the desired room temperature. The Pulse Width Modulation (PWM) module engages automatically to ensure the desired room temperature is maintained

by smoothly modulating the compressor capacity to match exact room load requirements. This results in savings in power consumption which means energy cost savings for you!

The Digital Hybrid Inverter control utilises the new Toshiba DC (Direct Current) Inverter compressors. Delivering more energy compared to any traditional AC (Alternate Current) inverter compressor. By adopting this technology Toshiba Digital Inverter's offer remarkable energy control, efficient economical operation and excellent comfort.



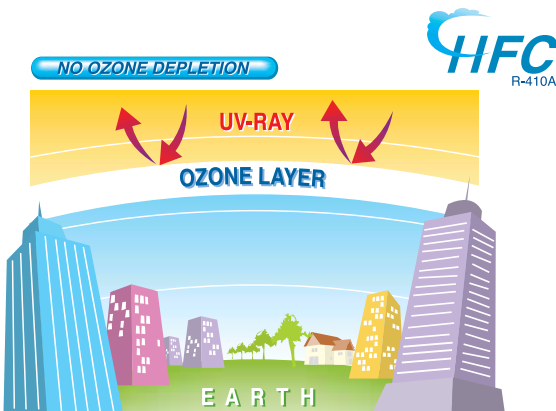
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Powerful yet precise, Toshiba DC Digital Hybrid Inverter technology ensures:

Unmatched comfort, by quickly achieving and evenly maintaining desired room temperature.

Higher energy savings, thanks to its accurate digital power control and its efficient and adaptable DC compressors.

Superior reliability and quieter operation, due to the elimination of the compressor ON/OFF cycle.



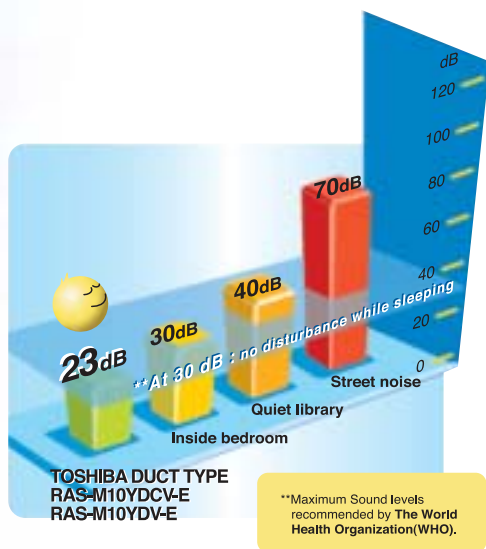
Environmentally friendly.

Advanced environmental technologies are used to meet the strictest environmental safety standards. A wide choice of units specifically designed to operate on the R-410A HFC refrigerant.

R-410A is an ozone safe, non-flammable, non-toxic, and highly energy efficient refrigerant. Its zero ozone depletion coefficient meets the strictest requirements on environmental protection, set by the Montreal Protocol and already introduced in many countries around the world.

Not a Sound to Disturb You

Toshiba's Inverter Multi System offers you a new sound experience; low fan-speed mode, the smallest unit (RAS-M10YDCV-E, RAS-M10YDV-E) can operate at 23dB, quieter than the background noise normally found in a bedroom, while the largest capacity unit (RAS-M16YDCV-E, RAS-M16YDV-E) also operates at a very quiet 25dB. Start your new air-conditioner, and enjoy your favourite music as never before.



A Breeze to Install

Toshiba's duct type models have made it even simpler to integrate the air conditioning with your interior design. These duct type models are only 23cm in height and need only 25cm of height for installation. As an added convenience, an optional 15cm lift condensation drain pump can be easily installed.




Ideal Airflow Management

Toshiba air conditioners are designed to provide the most naturally comfortable room climates. With the choice of 5 Fan speeds, you can adjust the strength of the airflow to just how you like it. Furthermore, the Hi-Wall features airflow volume as powerful as 178L/s and includes hidden horizontal louvres to regulate air distribution throughout the room. The remote control also allows you to set vertical louvres to direct airflow as you like. At the same time, Toshiba's duct type air-conditioners, with airflow up to 217L/s, have been engineered for the most flexible airflow and temperature control.


Toshiba's 4 room inverter multi system outdoor unit weighs just 63kg and is just 79.5cm high, it takes up little space on a balcony or in a yard. Furthermore by providing piping lengths between interior and exterior units of up to 70 metres, thus allowing general flexibility for positioning of Indoor Units.

Climate control in the palm of your hand


5-selectable fan speeds plus Auto

 Choose your desired airflow among the five fan speeds offered. Select the Auto fan-speed mode and let the air conditioner choose for you.


One-touch Auto mode

 The Auto button automatically chooses the best settings to quickly achieve and evenly maintain your desired room temperature.


Sleep-timer with ECO-logic

 The Eco-logic mode achieves energy savings of up to 25% compared to the standard operation mode.

Fix and Swing louvre

 Select your preferred airflow distribution; 5 Fixed louvre positions, Swing louvre mode or Auto louvre positioning.

Filter warning LED


 The air conditioner is equipped with a Filter warning LED to inform when the filters require cleaning.




Large display

The remote control offers an extra-large display for improved readability.

One-touch Preset memory

 Set your preferences then press the Memo button to store them. Once memorised, simply push the Preset button and all your preferred settings will be restored at once.


Hi-power

 For extra airflow intensity to cool down or heat your room faster than ever!


Operating mode

Cooling, dehumidification, fan only, heating (only for heat-pump models) or Auto changeover.

Real time ON/OFF timer Repeat timer

 Real time ON/OFF timer provides easily set on and off operating times. The Repeat timer allows for automatic repetition of timer settings every 24 hours.

Auto Diagnosis

 Equipped with a 36 code Auto Diagnosis system which constantly monitors all the main functions and components of the unit.


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Additional features:

 Automatic changeover (Cool/Dry)

 Dry (Dehumidifying Function)

 ECO Mode

 Zeolite-plus filter

 Automatic 3 mins Delay Safety Control

 Washable front panel

 Backspace Saving Outdoor

 Automatic changeover (Cool/Heat)

 Sleep Timer

 Repeat timer

 Passive Electrostatic Filter

 IR Selectable Remote Control

 Auto restart

 Add-Chargeless

Add-Chargeless



* Optional wired remote control only applicable to ducted system

OUTDOOR UNIT

2 Rooms **RAS-M18YACV-E**
1.1-6.2 kW (Cooling)

3 Rooms **RAS-3M23YACV-E**
1.4-7.0 kW (Cooling)

4 Rooms **RAV-4M27YACV-E**
1.4-9.2 kW (Cooling)

MIX & MATCH

INDOOR UNIT

Hi-Wall

RAS-M10UKCV-E
RAS-M13UKCV-E
RAS-M16UKCV-E

Ducted Type

RAS-M10YDCV-E
RAS-M13YDCV-E
RAS-M16YDCV-E

*Optional

Outdoor units are specific to the number of rooms applicable, however indoor units can be mixed and matched based on personal preference.

Indoor Unit: Hi-Wall

System		RAS-M10UKCV-E	RAS-M13UKCV-E	RAS-M16UKCV-E
Model (Indoor Unit)		RAS-M10UKCV-E	RAS-M13UKCV-E	RAS-M16UKCV-E
Power Supply	(V/ph/Hz)	240/1/50	240/1/50	240/1/50
Cooling Capacity (Nominal)	(kW)	2.7	3.7	4.5
Dimension (H x W x D)	(mm)	275 x 790 x 208	275 x 790 x 208	275 x 790 x 208
Net Weight	(kg)	10	10	12
Airflow Volume (H/L)	(L/S)	150/95	164/95	186/125
Operating Noise (H/L) (Sound Pressure)	(dB)	36/28	39/28	42/33
Liquid Pipe Size	(mm/inch)	6.35(1/4")	6.35(1/4")	6.35(1/4")
Gas Pipe Size	(mm/inch)	9.52(3/8")	9.52(3/8")	12.7(1/2")

Indoor Unit: Ducted

System		RAS-M10YDCV-E	RAS-M13YDCV-E	RAS-M16YDCV-E
Model (Indoor Unit)		RAS-M10YDCV-E	RAS-M13YDCV-E	RAS-M16YDCV-E
Power Supply	(V/ph/Hz)	240/1/50	240/1/50	240/1/10
Cooling Capacity (Nominal)	(kW)	2.7	3.7	4.5
Dimension (H x W x D)	(mm)	230 x 750 x 440	230 x 750 x 440	230 x 750 x 440
Net Weight	(kg)	19	19	19
Airflow Volume (H/L) (*1)	(L/S)	200/111	216/119	216/125
Operating Noise (H/L) (Sound Pressure) (*2)	(dB)	31/23	33/24	33/25
Static Pressure (Upper / Standard)	(Pa)	54.0/35.3	63.7/41.2	63.7/41.2
Liquid Pipe Size	(mm/inch)	6.35(1/4")	6.35(1/4")	6.35(1/4")
Gas Pipe Size	(mm/inch)	9.52(3/8")	12.7(1/2")	12.7(1/2")
Length of Signal receiver code	(mm)	2000	2000	2000

*1. Airflow volume at standard static pressure. *2. Operating noise at standard static by JIS B 8616 standard measurement.

Outdoor Unit

	2 Rooms Multi	3 Rooms Multi	4 Rooms Multi
Number of indoor units	2	3	4
Outdoor Unit	RAS-M18YACV-E	RAS-3M23YACV-E	RAS-4M27YACV-E
COP (Rated)	3.02	3.12	3.20
Capacity (Cooling)	1.1-6.2	1.4-7.0	1.4-9.2
Dimension (H x W x D)	550 x 780 x 270	605 x 780 x 270	795 x 900 x 320
Net Weight	42	48	63
Max. Piping Length (per unit/total)	20/30	20/40	25/70
Chargeless Length (per unit)	30	40	70
Max. Elevation	10	10	15
Operating Noise (Sound Pressure)	46	48	48
Refrigerant	R-410A	R-410A	R-410A
Usable Outdoor Temp	(Cooling, °C) 21-43	10-43	10-43

System	Outdoor Unit	Indoor Unit						Capacity		
		Hi-Wall			Ducted			Connectable Range	Rated	Max
		RAS-M10UKCV-E	RAS-M13UKCV-E	RAS-M16UKCV-E	RAS-M10YDCV-E	RAS-M13YDCV-E	RAS-M16YDCV-E			
Cooling Capacity (kW)										
2 Rooms	RAS-M18YACV-E	2.7	3.7	-	2.7	3.7	-	2.7	6.4	6.2
3 Rooms	RAS-3M23YACV-E	2.7	3.7	4.5	2.7	3.7	4.5	2.7	9.9	7.0
4 Rooms	RAS-4M27YACV-E	2.7	3.7	4.5	2.7	3.7	4.5	2.7	16.2	9.2

*Note: For more detailed performance values and connectable combinations please contact your local Toshiba Air Conditioning Dealer.

Condition (Cool): Indoor Air Temperature 27°C DB, 19°C WB, Outdoor Air Temperature 35°C DB, 24°C WB
Condition (Heat): Indoor Air Temperature 20°C DB, 15°C WB, Outdoor Air Temperature 7°C DB, 6°C WB

OUTDOOR UNIT

2 Rooms

RAS-M18YAV-E
1.1-6.2 kW (Cooling)
0.7-8.7 kW (Heating)

3 Rooms

RAS-3M26YAV-E
1.4-8.9 kW (Cooling)
0.8-10.8 kW (Heating)

4 Rooms

RAS-4M27YAV-E
1.4-9.2 kW (Cooling)
0.8-11.0 kW (Heating)

MIX & MATCH

INDOOR UNIT

Hi-Wall

RAS-M10UKV-E
RAS-M13UKV-E
RAS-M16UKV-E

Ducted Type

RAS-M10YDV-E
RAS-M13YDV-E
RAS-M16YDV-E

*Optional

Outdoor units are specific to the number of rooms applicable, however indoor units can be mixed and matched based on personal preference.

Indoor Unit: Hi-Wall

System		RAS-M10UKV-E	RAS-M13UKV-E	RAS-M16UKV-E
Model (Indoor Unit)		RAS-M10UKV-E	RAS-M13UKV-E	RAS-M16UKV-E
Power Supply (V/phHz)		240/1/50	240/1/50	240/1/50
Capacity (Cooling) (Nominal) (kW)		2.7	3.7	4.5
Capacity (Heating) (Nominal) (kW)		4.0	5.0	5.5
Dimension (H x W x D) (mm)		275 x 790 x 208	275 x 790 x 208	275 x 790 x 208
Net Weight (kg)		10	10	10
Airflow Volume (Cooling/Heating) (L/S)		150/169	164/178	167/167
Operating Noise (H/L) (Sound Pressure) (dB)		39/28	40/28	42/33
Liquid Size (mm/inch)		6.35(1/4")	6.35(1/4")	6.35(1/4")
Gas Size (mm/inch)		9.52(3/8")	9.52(3/8")	12.7(1/2")



Indoor Unit: Ducted

System		RAS-M10YDV-E	RAS-M13YDV-E	RAS-M16YDV-E
Model (Indoor Unit)		RAS-M10YDV-E	RAS-M13YDV-E	RAS-M16YDV-E
Power Supply (V/phHz)		240/1/50	240/1/50	240/1/50
Capacity (Cooling) (Nominal) (kW)		2.7	3.7	4.5
Capacity (Heating) (Nominal) (kW)		4.0	5.0	5.5
Dimension (H x W x D) (mm)		230 x 750 x 440	230 x 750 x 440	230 x 750 x 440
Net Weight (kg)		19	19	19
Airflow Volume (H/L) (*1) (L/S)		200/111	217/120	217/125
Operating Noise (H/L) (Sound Pressure) (*2) (dB)		31/23	32/24	33/25
Static Pressure (Upper / Standard) (Pa)		54.9/35.3	63.7/41.2	63.7/41.2
Liquid Pipe Size (mm/inch)		6.35(1/4")	6.35(1/4")	6.35(1/4")
Gas Pipe Size (mm/inch)		9.52(3/8")	9.52(3/8")	12.7(1/2")
Length of Signal Receiver Code (mm)		2000	2000	2000

*1 airflow volume at standard static pressure *2 Sound levels at standard static pressure by JIS B 8616 standard measurement.

Outdoor Unit

	2 Rooms Multi	3 Rooms Multi	4 Rooms Multi
Outdoor Unit	RAS-M18YAV-E	RAS-3M26YAV-E	RAS-4M27YAV-E
Capacity (Cooling) (kW)	1.1-6.2	1.4-8.9	1.4-9.2
Capacity (Heating) (kW)	0.7-8.7	0.8-10.8	0.8-11.0
COP (Cooling/Heating)	3.02/3.62	3.33/3.53	3.20/4.00
Dimension (H x W x D) (mm)	550 x 780 x 270	795 x 900 x 320	795 x 900 x 320
Net Weight (kg)	44	64	65
Max. Piping Length (Per unit/Total) (m)	20/30	25/50	25/70
Chargeless Length (m)	30	50	70
Max. Elevation (m)	10	15	15
Operating Noise (Sound Pressure) (dB)	46	48	48
Refrigerant	R-410A	R-410A	R-410A
Usable Outdoor Temp (Cooling, °C)/(Heating, °C)	21-43/-5-21	10-43/-10-21	10-43/-10-21

System	Outdoor Unit	Indoor Unit					Capacity			
		Hi-Wall		Ducted			Connectable Range	Rated	Max	
		RAS-M10UKV-E	RAS-M13UKV-E	RAS-M16UKV-E	RAS-M10YDV-E	RAS-M13YDV-E				RAS-M16YDV-E
Cooling Capacity (kW)										
2 Rooms	RAS-M18YAV-E	2.7	3.7	-	2.7	3.7	-	2.7	6.4	6.2
3 Rooms	RAS-3M26YAV-E	2.7	3.7	4.5	2.7	3.7	4.5	2.7	12.7	8.9
4 Rooms	RAS-4M27YAV-E	2.7	3.7	4.5	2.7	3.7	4.5	2.7	14.8	9.2

*Note: For more detailed performance values and connectable combinations please contact your local Toshiba Air Conditioning Dealer.

Condition (Cool): Indoor Air Temperature 27°C DB, 19°C WB, Outdoor Air Temperature 35°C DB, 24°C WB
Condition (Heat): Indoor Air Temperature 20°C DB, 15°C WB, Outdoor Air Temperature 7°C DB, 6°C WB

Distributed by:

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