

**TOSHIBA**  
AIR CONDITIONING



# Better air

The new era in air conditioning



Multi-Split Systems

# MULTI

## ■ Toshiba Multi-Split System

Luxury through flexibility & technology

Toshiba's Multi-Split System will deliver the ultimate in heating and cooling comfort. The very latest in air conditioning technology ensures optimum performance to enhance the quality of air in your room.

Advanced Cleaning

Ultimate Comfort

Compact Design

Cost Saving



## ■ Technology in Multi-Split Systems

When it is necessary to provide total comfort solution for a multi-room application, Toshiba's Multi-Split Systems offer the perfect answer.

One outdoor unit is capable of operating 2, 3, 4 or 5 indoor units. They are compact and slimline and are designed to blend in with any room interior. In fact, Toshiba offers a wide range of different possibilities to create all the comfort you desire.

The full range of indoor units can satisfy every kind of need – it includes unobtrusive ducted units, console units and modern Hi-walls, that provide hi-tech and sophisticated design and complete air filtration at the same time. Moreover, the efficient inverter systems are composed of high quality components – control electronics, motor and compressor.

Every tiny element of Toshiba's air conditioning units are verified and recognised universally by air conditioning professionals for their reliability. For Toshiba, quality has always been a priority and this will continue to differentiate Toshiba from other manufacturers.

## ■ When technology meets comfort

Toshiba was the first company to incorporate inverter technology into air conditioning systems in 1981 and since then it has always maintained a technological advantage over its competitors.

The development of the new and exclusive **DC Hybrid Inverter** system has reaffirmed this ability to innovate and maintain technological leadership in a fast-growing market. But for Toshiba, innovation also means a strong commitment to international institutions that carefully evaluate the impact of new technologies on our environment.

Toshiba combines technological development with care for future generations – the result is a range of **energy-efficient air conditioners**, reducing greenhouse gas emissions at the source.



Quiet

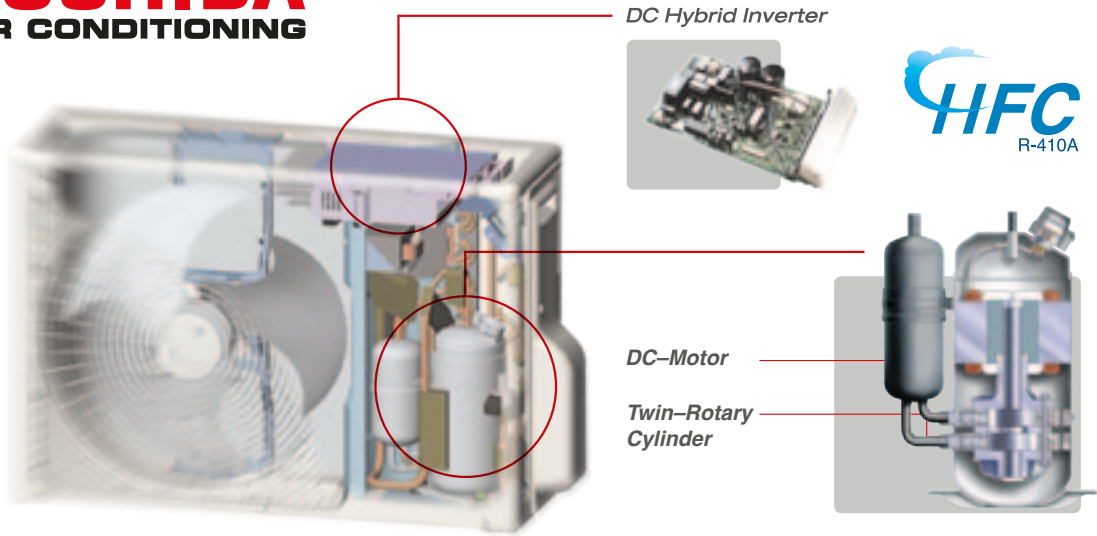
Comfort

Powerful

Energy Saving







## ■ DC Twin-Rotary Compressor

A wide range of efficiency is realised

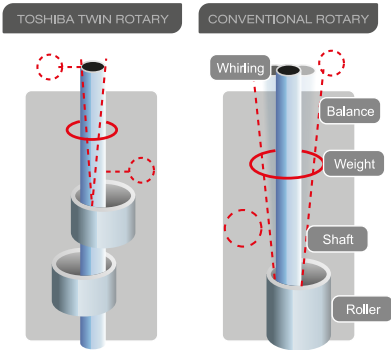
This compressor enables the adoption of a high-pressure refrigerant. High efficiency is evident in low speed operation ranges. It can reduce energy consumption when operated in long stable conditions.

### High efficiency

Rotating with two rollers at the same time, makes accurate compressor rotation possible with less energy loss. As a result, it offers a great reduction in energy consumption yet with very powerful operation.

### High reliability & low noise

The enhanced DC Twin-Rotary Compressor delivers stable performance with minimum friction. Ideal for noise-sensitive applications. The sound of the outdoor unit is almost imperceptible.



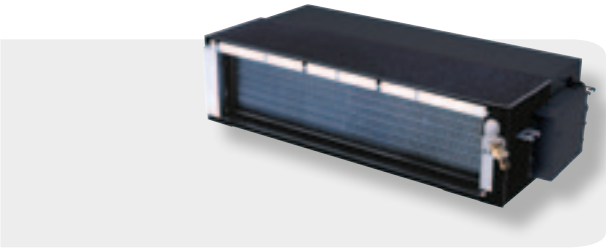
## Inverter Hi-wall

Discreet and unobtrusive, it delivers high energy efficiency and complete air purification, with the 7 in 1 filtering solution. Thanks to this complete system, the Hi-wall provides pure, fresh and healthy air and ensures absolute comfort in your home.

- EXTREMELY LOW NOISE LEVELS
- DOUBLE ANTI-OXIDANT WITH 7 IN 1 PURIFICATION
- AUTO DIAGNOSIS AND SELF-CLEANING FUNCTIONS
- MODERN FLAT PANEL

Inverter Multi-Split Hi-wall								
Indoor Unit - Reverse Cycle Model			RAS-M07SKV-E	RAS-M10SKV-E	RAS-M13SKV-E	RAS-M16SKV-E	RAS-M22SKV-E	RAS-M24SKV-E
Cooling Capacity	KW	C	2.0 (1.4~2.5)	2.5 (1.1~3.0)	3.5 (1.1~ 4.4)	4.5 (1.4 ~ 4.9)	6.0 (1.20 ~ 6.70)	7.1 (1.4 ~ 7.1)
Heating Capacity		H	2.7 (0.8~3.7)	3.2 (0.9~4.1)	4.2 (0.7~ 6.5)	5.5 (0.8~ 6.9)	7.0 (1.00 ~ 7.50)	8.1 (0.8 ~ 8.1)
Dimension (H x W x D)	mm		275 x 790 x 205	275 x 790 x 205	275 x 790 x 205	275 x 790 x 205	320 x 1050 x 228	320 x 1050 x 228
Weight	Kg		9	9	9	9	13	13
Airflow			158/106	158/106	175/106	206/116	300/183	315
Sound Pressure (L/H)			28-38	28-39	28-40	31-45	33/47	37/49
Liquid Pipe Size	mm		6.35	6.35	6.35	6.35	6.35	6.35
Gas Pipe Size			9.52	9.52	9.52	12.70	12.70	12.7

## Inverter ducted



This ducted multi-split inverter unit offers reliable and controllable comfort year-round. These compact, quiet units are suitable for a wide range of residential and light commercial applications.

- LOW NOISE LEVELS
- FLEXIBLE AIR INLET – REAR OR BELOW THE UNIT
- EASY INSTALLATION
- SLIMLINE DESIGN

Inverter Multi-split Ducted					
Indoor Unit - Reverse Cycle Model			RAS-M10GDV-E	RAS-M13GDV-E	RAS-M16GDV-E
Cooling Capacity	KW	C	2.7 (1.1~3.2)	3.7 (1.1~4.2)	4.5 (1.4~4.9)
Heating Capacity		H	4.0 (0.7~5.2)	5.0 (0.7~6.5)	5.5 (0.8~6.9)
Dimension (H x W x D)	mm		230 x 750 x 440	230 x 750 x 440	230 x 750 x 440
Weight	Kg		19	19	19
Airflow			200/111	217/119	217/125
Sound Pressure (L/H)			24-32	25-33	26-34
Liquid Pipe Size	mm		6.35	6.35	6.35
Gas Pipe Size			9.52	9.52	12.70

Optional Wired Controller for GDV series RBC-SHA1LE2 available



## Compact four-way cassette

This four way cassette has been designed to grant easy installation and maintenance. Its compact design blends with any room interior and makes it discreet and unobtrusive.

- STANDARD 600mm × 600mm GRID
- STANDARD INFRA-RED REMOTE CONTROL
- SLIMLINE DIMENSIONS, FOR DEMANDING INSTALLATIONS
- EASY MAINTENANCE AND INSTALLATION

Inverter Multi-Split Cassettes					
Indoor Unit - Reverse Cycle Model			RAS-M10SMUV-E	RAS-M13SMUV-E	RAS-M16SMUV-E
Cooling Capacity	KW	C	2.5 (1.1~3.2)	3.5 (1.1~4.4)	4.5 (1.4~4.9)
Heating Capacity		H	3.2 (0.7~5.2)	4.2 (0.7~6.5)	5.5 (0.8~6.9)
Dimension (H x W x D)	mm		268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
Weight	Kg		17	17	17
Airflow			163/120	171/120	183/125
Sound Pressure (L/H)			30-37	30-38	31-40
Liquid Pipe Size	mm		6.35	6.35	6.35
Gas Pipe Size			9.52	9.52	12.70

## Inverter console



Consoles are an innovative and compact unit which can be installed on the floor or in low wall applications, perfect for under the window sills or in a low ceiling attic. With a distinctive floor heating function, Toshiba inverters can deliver powerful flow at floor level for consistent and comfortable room heating.

- BI-FLOW – TWO OUTLETS FOR COMPLETE PERSONALISED FLOW
- CHILD LOCK FUNCTION ON UNIT
- DISPLAY PANEL
- FLOOR HEATING MODE
- DEODORISING EFFECT

heat pump system					
Indoor unit			RAS-B10UFV-A	RAS-B13UFV-A	RAS-B18UFV-A
Air flow (h/l)	m³/h – l/s	C	468 – 130	510 – 142	600 – 167
Sound pressure level (h/l/q)	dB(A)	C	39/26/23	40/27/24	46/34/31
Sound power level (h/l)	dB(A)	C	54/41	55/42	61/49
Air flow (h/l)	m³/h – l/s	H	510 – 142	552 – 153	642 – 178
Sound pressure level (h/l/q)	dB(A)	H	39/26/23	40/27/24	46/34/31
Sound power level (h/l)	dB(A)	H	54/41	55/42	61/49
Dimensions (h x w x d)	mm		600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Weight	kg		16	16	16

C = cooling mode  
H = heating mode



## Multi-Split outdoor unit

- COMPACT, LIGHT
- OUTDOOR UNIT
- UP TO 80 M PIPE RUN

### Features

Toshiba Multi-Splits are equipped with Toshiba DC hybrid inverter, an enhanced feature that ensures improved performance and reliability. Thanks to the efficient DC compressors, these units provide fast and precise temperature management, with high energy savings compared to fixed-speed systems.

### Key features

For wide range of applications.

A perfect combination of DC twin rotary compressor, DC Hybrid Inverter and R-410A refrigerant.

Superior reliability, due to the reduction of the compressor ON/OFF cycles.

Compact, silent and light.

Flexible – this system allows up to 25m piping length for one room as long as the overall length is not exceeded.

## Multi-Split Systems



Inverter Multi-Split Outdoor units						
Outdoor Unit - Reverse Cycle Model			RAS-M18UAV-E	RAS-3M26UAV-E	RAS-4M27UAV-E	RAS-5M34UAV-E1
Number of indoor units			2 Rooms	3 Rooms	4 Rooms	5 Rooms
Cooling Capacity - Rated (min - max)	KW		5.2 (1.40 ~6.20)	7.5 (4.2~9.0)	8.0 (4.20 ~ 9.20)	10.0 (3.70 ~ 11.00)
Heating Capacity - Rated (min - max)		RS	5.6 (0.90~ 8.50)	9.0 (3.0~11.2)	9.0 (3.00 ~ 11.70)	12.0 (3.40 ~ 14.00)
Dimension (H x W x D)	mm	RS	550 x 780 x 290	890 x 900 x 320	795 x 900 x 320	890 x 900 x 320
Weight	Kg	RS	40	69	65	
EER / COP	Rated	RS	3.25/3.62	3.75/4.09	3.2/4.2	3.42/4.24
Max Pipe Length	m	RS	30	70	70	80
Max Pipe Per Unit	m	RS	20	25	25	25
Chargeless Length	m	RS	20	40	70	40
Max Height Difference	m	RS	10	15	15	15
Sound Pressure (H) at 1 metre	dB(A)	RS	50	48	48	54
Refrigerant Type			R410a	R410a	R410a	R410a
Compressor Type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Operating Range	Celcius	Cooling	5~43	10~43	10~43	10~43
		Heating	-10 ~24	-15~22	-10 ~22	-10 ~22
Power Supply	V/ph/Hz		240-1-50	240-1-50	240-1-50	240-1-50

Note: The capacity per indoor unit will vary in cases where the continuous and simultaneous operation of multiple indoor units are required. Care should be taken when sizing these applications Please consult your Toshiba Specialist Dealer for more detailed information

# **TOSHIBA**

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Notice: Toshiba is committed to continuously improving its product to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

Note: All images provided in this catalogue are used for illustration purposes only.

Part number 60609 Date: April 2012

Equipment rates in accordance with MEPS 3823.2-2011 E&OE

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