TOSHIBA
AIR CONDITIONING

Better air

The new era in air conditioning

Split Systems

SPLIT SYSTEMS

TOSHIBA
AIR CONDITIONING

Better air

The new era in air conditioning

Toshiba Air Conditioning, we care about better air

Our products **comply with RoHS regulations**, which ensures the exclusion of restricted substances in the materials of every single component.

By using plastic that can be recycled, we aim to minimise the impact of waste electrical goods on the environment.

Increased cost savings have been made by using digital technology. This can provide superior control and cost efficiency by utilising a DC inverter compressor as opposed to a AC fixed speed compressor. This environmentally sustainable DC compressor results in a power saving of up to 50%* with the added benefit of super-accurate rotation and quieter operation.

*13k Inverter vs. fixed-speed class A product

Clearing the air for generations to come

As human activities accelerate climatic change, scientists foresee limits to how much damage the ecology can take.

Sustainable solutions require stronger commitment.

Toshiba is making a positive difference in a big way. We take initiatives with innovators in academia, industry and government to think bigger, act bolder and move faster towards more sustainable solutions.

TOSHIBA
AIR CONDITIONING

Excellent
Energy
Efficiency

Quality and saving

Toshiba has been studying, designing and creating innovative air conditioning systems for more than 30 years and as a result has always offered high performance.

Quality has always been Toshiba's strength and will remain the trademark that will differentiate Toshiba air conditioners.

Toshiba's advanced air conditioners all perform with efficiency. A wide product range with a high ranking in energy labelling will meet all your air conditioning needs.

Less energy consumption means more savings in electricity costs for you.

INVERTER

When technology meets comfort

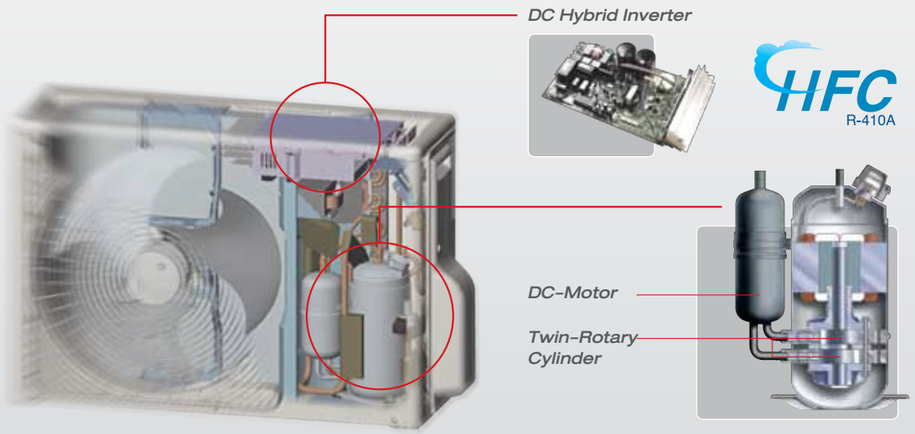
Toshiba was the first company to incorporate inverter technology into air conditioning systems in 1981 and since then it has always maintained a technological advantage.

The development of the exclusive ***DC Hybrid Inverter*** system has reaffirmed this ability to innovate and maintain technological leadership in a fast-growing market.

For Toshiba, also innovation 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 emission at the source.

Quiet | Comfort | Powerful | Energy Saving



DC Twin-Rotary Compressor

A wide range of efficiency is realised

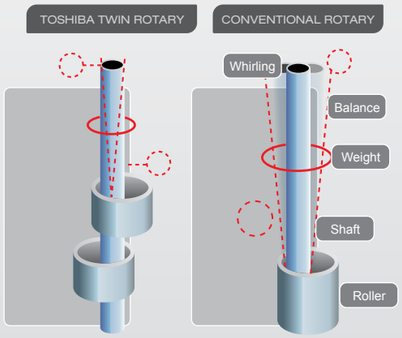
This compressor enables the adoption of a high-pressure refrigerant. High efficiency is evident in low speed operation ranges. It can reduce energy consumption when operated in long stable conditions.

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.



TOSHIBA
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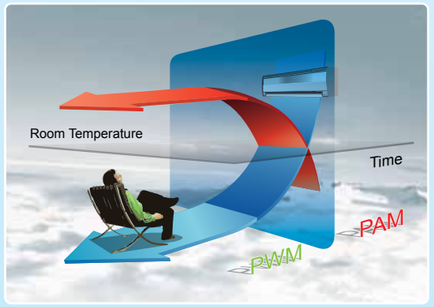
Toshiba DC Hybrid Inverter

A new dimension in efficient performance

The Hybrid Inverter features ***PAM*** (**Pulse Amplitude Modulation**) and ***PWM*** (**Pulse Width Modulation**).

Unique hybrid design



PAM
High power

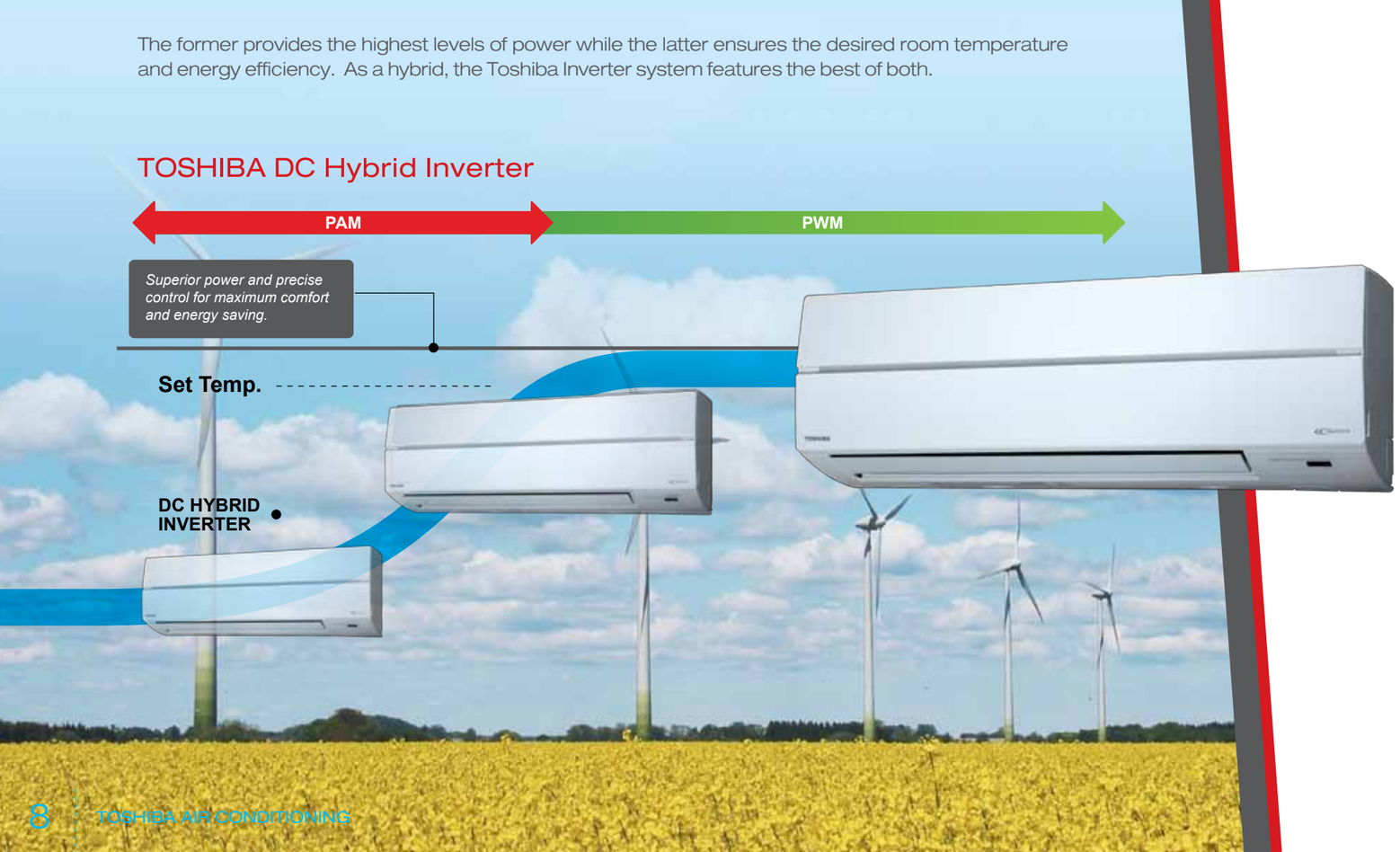
PAM works like a turbo engine in a car. It will set the compressor at maximum power, providing fast cooling in order to achieve the desired room temperature when the air conditioner is switched on.

PWM
High efficiency

PWM helps to balance the compressor speed revolution, either high speed when providing fast cooling or slow speed when maintaining room temperature. So, like cruise control in a car, it results in significantly less energy consumption.

The former provides the highest levels of power while the latter ensures the desired room temperature and energy efficiency. As a hybrid, the Toshiba Inverter system features the best of both.

TOSHIBA DC Hybrid Inverter



INVERTER

Benefits of the Toshiba DC Hybrid Inverter system

Energy saving

Digital technology provides superior control and cost efficiency with the DC Inverter compressor when compared to AC Fixed Speed compressors. Super-accurate rotation of an environmentally sustainable compressor results in power savings of up to 50%* and quieter operation.

Comfort

Toshiba's DC Hybrid Inverter uses a Twin Rotary compressor**, which ensures a steadier rotation therefore reducing the unwanted vibration sound.

High power

PAM drives high power to ensure the fast achievement of the set temperature.

* 13k Inverter vs. Fixed-Speed class A product
**16-24SAV Series

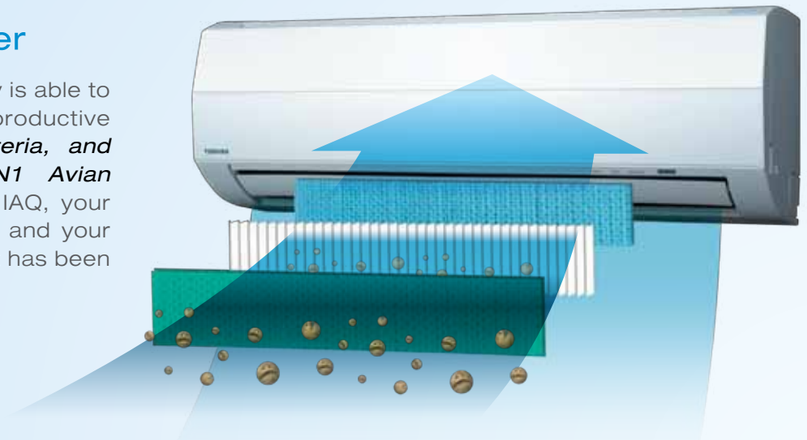
TOSHIBA
AIR CONDITIONING

Technology for health

TOSHIBA IAQ Filter

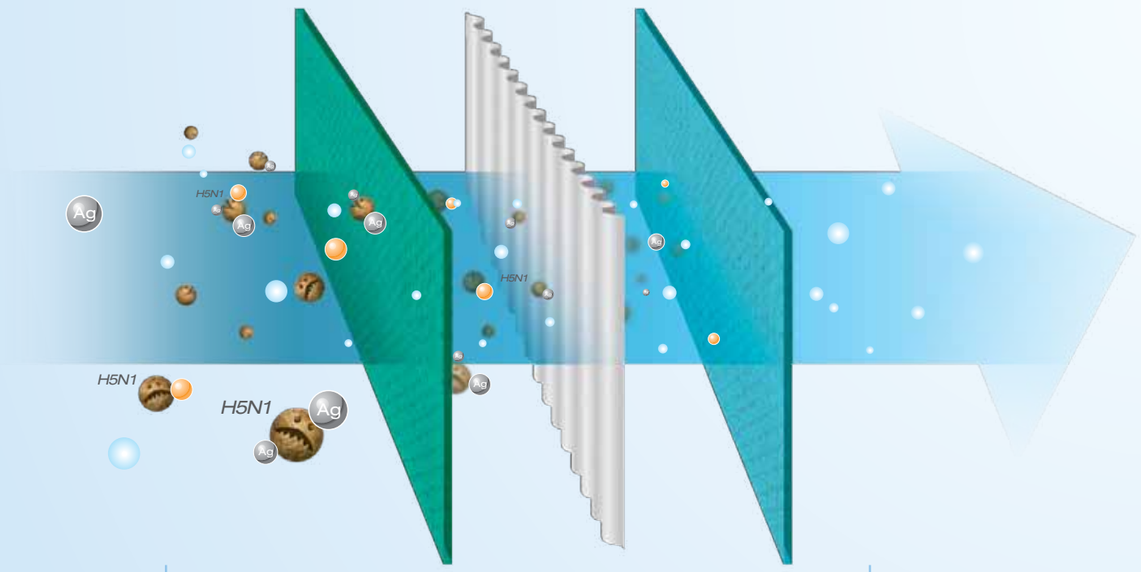
Toshiba IAQ* filter

Toshiba IAQ's technology is able to seriously inhibit the reproductive ability of ***harmful bacteria, and viruses such as H5N1 Avian Influenza.*** With Toshiba IAQ, your family can breathe easy and your house will look like as if it has been spring cleaned.



* Improve air hygiene by reducing the amount of bacteria and viruses. However, does not guarantee a sterilised room or protection against infection after using the filter.

Anti Virus^ and Anti Bacteria**



Ag

- ***Anti bacteria*** : destroys most bacteria
- ***Deodorising power*** : Absorbs and decomposes smoke, ammonia, volatile organics, food smells and bad odours
- ***Prevent mould formation*** : Inhibits the formation of mould and fungi

Leuconostoc enzyme

- ***Anti virus*** : Avian Influenza virus ***(H5N1)***

^ Korea Apparel Testing & Research Institute, BS05-00001771
**Betagro Science Center Co., Ltd., 900017366

Your health is our main concern

We spend a great deal of time in air conditioned rooms, either in the office or at home, "Clean airflow" means you can breathe with greater confidence.

Self Cleaning Function

SELF CLEANING

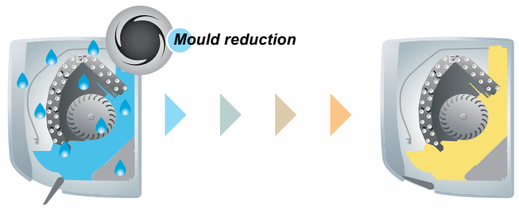
This function is designed to reduce the humidity that causes mould to form inside an air conditioning unit.

It simply refreshes you in a natural way

When you turn off your air conditioner, an internal fan automatically activates to dry out the coil. This removes the moisture, which causes mould to form.

5 10 15 **20 Minutes**

20 minutes of fan operation after shut down dries the moist air and helps reduce mould formation.



Natural Air-Flow

TOSHIBA
AIR CONDITIONING

Friendly Universal Remote Controller – Enhanced Viability

Remote controller with backlight display

With luminous buttons and user friendly screen

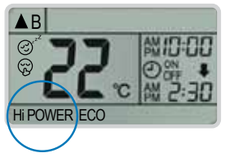
Toshiba's remote controller with luminous soft buttons, feels extremely comfortable to use.

The biggest screen and symbols ever, making Toshiba air conditioners very user friendly.

Complete Control Features

The Toshiba remote control is as carefully designed as the rest of the system. Frequently used buttons are placed at the top, while feature buttons are laid out in user-friendly zones.

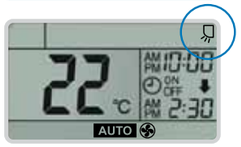
Hi Power



Hi Power mode makes your room cool faster and is also quiet when operating

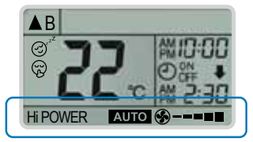
When you come home after a hot day, just press the "Hi-POWER" button. Toshiba's extra airflow rapidly delivers extra cooling throughout the room without making undesired noise.

Efficient Airflow

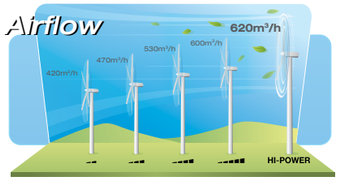


Now with 12 louver settings, Toshiba air conditioners allow you to adjust the airflow precisely to the position that gives you the greatest comfort. Alternatively, use the swing feature to distribute air evenly throughout the room.

Powerful & Precise

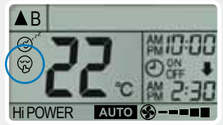


Toshiba air conditioners have 7 fan-speed settings, including Auto Fan and Hi-Power modes. Choose from a gentle airflow right up to the full cooling or heating of Hi-Power mode, which provides up to 620 m^3/h* of fresh air instantly.



* 13k, depends on model

Super Quiet

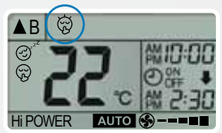


Silence is bliss. That's why Toshiba air conditioners are designed with the latest in anti-noise technology. When in QUIET Mode, the unit operates **3dB quieter** with a super low fan speed. By pressing the QUIET button, the air conditioner starts the following operation :

- *The fan speed is changed to super low.*
- *The quiet sign appears on the LCD of the remote control.*

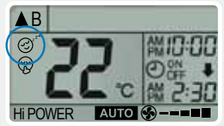
This keeps your home peaceful and serene.

One Touch My Comfort



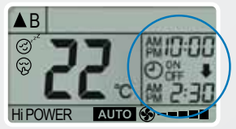
Toshiba has assessed user preferences to ensure that our needs can be fully catered for. The one touch My Comfort features customised temperature and airflow settings, which will deliver ultimate comfort with one simple touch of the button.

Comfort Sleep



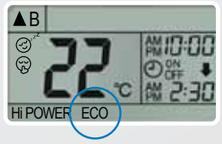
When using the convenient Comfort Sleep button, your air conditioning system will compensate for naturally lower night air temperatures so that you can sleep in complete comfort.

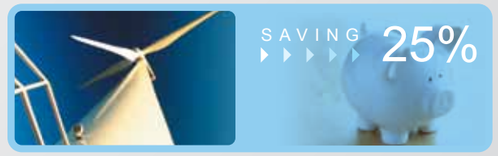
Real Time on-off



We design real time on-off feature, which sets program settings to repeat every 24 hours.

Eco-Logic



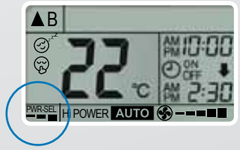


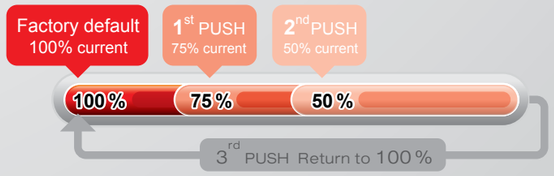
Achieve energy-savings of up to 25% compared with standard setting without sacrificing comfort.

Cooling only The temperature is raised by 1°C after 1 hour and another degree after 2 hours, which will be maintained until switching off.

Heat pump The temperature is lowered by 1°C after 1 hour and another degree after 2 hours, which will be maintained until switching off.

Power Select





The POWER SEL* button, gives you the freedom to control the power consumption of the air conditioner from a remote control by preventing high power operation. It helps you when you would like to avoid electricity black outs, need electricity for other appliances and to save electricity.

* Applicable for 10-16SKVP2

Inverter Hi-wall Single Split System

INVERTER | HFC R-410A | SELF CLEANING | TOSHIBA IAQ Filter

HEAT PUMP

RAS-10SKV2-A
RAS-13SKV2-A1
RAS-16SKV2-A1

HEAT PUMP

RAS-18SKV-A
RAS-22SKV2-A1
RAS-24SKV2-A

RAS-10SAVR-A
RAS-13SAV2-A1
RAS-16SAV2-A1
RAS-18SAV2-A
RAS-22SAV2-A1
RAS-24SAV2-A

Specifications

			HEAT PUMP					
Indoor			RAS-10SKV2-A	RAS-13SKV2-A1	RAS-16SKV2-A1	RAS-18SKV-A	RAS-22SKV2-A1	RAS-24SKV2-A
Outdoor			RAS-10SAVR-A	RAS-13SAV2-A1	RAS-16SAV2-A1	RAS-18SAV2-A	RAS-22SAV2-A1	RAS-24SAV2-A
Cooling Capacity - Rated	CO	kW	2.5	3.4	4.4	5.0	6.0	7.1
Cooling Capacity - Range	CO	kW	1.10-3.10	2.00-4.10	0.80-5.00	1.10-6.00	1.20-6.70	1.50-7.70
Power input (min ~ rated ~ max)	CO	kW	0.25-0.598-0.82	0.49-0.92-1.30	0.15-1.34-1.72	0.18-1.42-2.00	0.20-1.83-2.65	0.30-2.33-2.90
Operating current (min ~ rated ~ max)	CO	A	1.36-2.89-3.75	2.80-4.20-6.31	0.88-6.06-7.62	1.06-6.41-8.90	1.16-8.19-11.78	1.78-10.65-12.85
EER (min ~ rated ~ max)	CO		3.78-4.18-4.40	3.15-3.70-4.08	2.91-3.28-5.33	3.00-3.52-6.11	2.53-3.28-6.00	2.66-3.05-5.00
Heating Capacity - Rated	RC	kW	3.2	4.2	5.3	5.8	7.0	8.1
Heating Capacity - Range	RC	kW	0.90-4.80	1.80-5.60	0.90-6.30	0.80-6.30	1.00-7.50	1.60-9.00
Power input (min ~ rated ~ max)	RC	kW	0.17-0.75-1.40	0.38-1.12-1.69	0.15-1.50-1.98	0.14-1.56-1.70	0.18-1.98-2.21	0.30-2.45-3.30
Operating current (min ~ rated ~ max)	RC	A	0.92-3.51-6.21	2.11-5.01-7.55	0.89-6.71-8.77	0.84-6.97-7.58	1.06-8.87-9.79	1.81-11.20-14.62
COP (min ~ rated ~ max)	RC		3.43-4.27-5.29	3.31-3.75-4.74	3.18-3.53-6.00	3.71-3.72-5.71	3.39-3.54-5.56	2.73-3.31-5.33
Indoor Unit								
Airflow Volume (h/l)	CO	l/s	143/83	173/87	190/103	265/163	305/183	280/183
Mositure removal		l/hr	1.50	2.0	2.5	2.8	3.5	3.8
Sound Pressure (h/l)	CO	dB(A)	38-26	45-30	47-32	44-32	47-35	45-36
Dimension (HxWxD)		mm	275x790x205	275x790x205	275x790x205	320x1050x228	320x1050x228	320x1050x228
Net Weight		kg	9	9	9	13	13	13
Sound Power (h)	CO	dB(A)	51	60	62	59	62	58
Fan Motor Output		W	20	20	30	30	30	30
Outdoor Unit								
Dimension (HxWxD)		mm	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300	890x900x320
Net Weight		kg	35	37	38	41	43	65
Sound Pressure	CO	dBA	46	49	51	49	53	52
Operating range	CO	°C	-10-46	-10-46	-10-46	-10-46	-10-46	-10-46
Sound Pressure	RC	dBA	47	50	52	50	52	52
Operating range	RC		-15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Sound Power (h)	CO	dB(A)	59	64	66	64	68	65
Pipe Size								
Liquid Side		(mm/inch)	6.35(1/4")	6.35(1/4")	6.35(1/4")	6.35(1/4")	6.35(1/4")	9.52(3/8")
Gas Side		(mm/inch)	9.52(3/8")	9.52(3/8")	12.70(1/2")	12.70(1/2")	12.70(1/2")	15.88(5/8")
Maximum Piping Length		(m)	20(extra charge 20g/m)	20(extra charge 20g/m)	20(extra charge 20g/m)	20(extra charge 20g/m)	20(extra charge 20g/m)	30(extra charge 20g/m)
Maximum Piping Height difference		(m)	10	10	10	10	10	20
Chargeless Length		(m)	15	15	15	15	15	20
Compressor type			DC Rotary	DC Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Power Supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50

* The specification may be subject to change without notice for purpose of improvement.

Condition (Cool) : Indoor Air Temperature 27°C Db, 19°C Wb
Outdoor Air Temperature 35°C Db, 24°C Wb

Inverter Advanced Features

Air flow

Convenience

Energy efficiency

Comfort

Others

TOSHIBA
AIR CONDITIONING

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.
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E&OE

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