

## Product Line up Heat Pump

### INVERTER



WH-TA12LE



RAS-10U2FVG-NZ  
RAS-13U2FVG-NZ  
RAS-18U2FVG-NZ



RAS-10U2AVSG-NZ  
RAS-13U2AVSG-NZ



RAS-18U2AVSG-NZ

### SPECIFICATIONS

#### INVERTER TYPE >> HEAT PUMP

Power supply		Ph/Hz/V
Capacity	CO	kW
Power consumption	CO	kW
EER/SEER (Cold zone)	CO	W/W
Capacity	HP	kW
Power consumption	HP	kW
COP/SCOP (Cold zone)	HP	W/W

#### Indoor unit

Dimension - (HxWxD)		mm
Net weight		kg
Airflow volume - (High)	CO	m <sup>3</sup> /h
	HP	m <sup>3</sup> /h
Sound pressure - (High-quiete)	CO	dB(A)
	HP	dB(A)
Sound power - (High)	CO	dB(A)
	HP	dB(A)
Fan motor output		W

#### Outdoor unit

Dimension	(HxWxD)	m
Net weight		kg
Refrigerant type		
Sound pressure - High (Silent1/2)	CO	dB(A)
	HP	dB(A)
Sound power - (High)	CO	dB(A)
	HP	dB(A)
Usable outdoor temp	CO	°C
	HP	°C
Compressor output		W
Fan motor output		W

#### Pipe size

Liquide side	mm/inch
Gas side	mm/inch
Coupler style	m
Maximum pipe length	m
Maximum pipe height	m
Chargeless pipe length	m
Additional refrigerant charge	g/m

Rated conditions:  
Cooling: Indoor air temperature 27°C DB / 19°C WB, Outdoor air temperature 35°C DB  
Heating: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB / 6°C WB

	RAS-10U2FVG-NZ RAS-10U2AVSG-NZ	RAS-13U2FVG-NZ RAS-13U2AVSG-NZ	RAS-18U2FVG-NZ RAS-18U2AVSG-NZ
Power supply	1/50/220-240	1/50/220-240	1/50/220-240
Capacity	2.50 (0.90 - 3.20)	4.00 (1.00 - 4.50)	5.00 (2.30 - 5.70)
Power consumption	0.60 (0.22 - 0.95)	1.10 (0.25 - 1.20)	1.40 (0.58 - 1.75)
EER/SEER (Cold zone)	4.17/5.00	3.64/5.50	3.57/5.00
Capacity	3.20 (0.80 - 4.30)	4.20 (1.10 - 5.40)	5.80 (2.35 - 6.40)
Power consumption	0.85 (0.19 - 1.25)	1.15 (0.22 - 1.55)	1.65 (0.44 - 2.10)
COP/SCOP (Cold zone)	3.76/3.50	3.65/3.50	3.52/3.50
Dimension - (HxWxD)	600x700x220	600x700x220	600x700x220
Net weight	16	16	16
Airflow volume - (High)	492	534	630
	492	564	750
Sound pressure - (High-quiete)	39/36/32/29/26/23	43/39/36/33/28/24	45/41/38/34/32/31
	39/36/32/29/26/23	43/39/36/32/28/24	47/43/41/39/34/31
Sound power - (High)	52	56	58
	52	56	60
Fan motor output	41	41	41
Dimension	500x780x290	550x780x290	890x900x320
Net weight	27	31	66
Refrigerant type	R32	R32	R32
Sound pressure - High (Silent1/2)	46 (43/38)	48 (46/40)	51 (50/43)
	48 (46/39)	49 (48/42)	49 (47/42)
Sound power - (High)	59	61	64
	61	62	62
Usable outdoor temp	-15~46	-15~46	-15~46
	-15~24	-15~24	-15~24
Compressor output	620	715	2200
Fan motor output	43	43	43
Liquide side	6.35(1/4")	6.35(1/4")	6.35(1/4")
Gas side	9.52(3/8")	9.52(3/8")	12.7(1/2")
Coupler style	Flare	Flare	Flare
Maximum pipe length	20	20	20
Maximum pipe height	10	10	10
Chargeless pipe length	15	15	15
Additional refrigerant charge	20	20	20

Stylish and luxury design  
& unique technology



Notice : Toshiba is committed to continuously improving its products 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.

2020 TCTC20-B08-INV-R32



Better Air Solutions





## Better Air Solutions

Through our commitment to world-class efficiency, versatile scalability and leading quality, Toshiba Air Conditioning advances leading-edge technologies to find the most forward-thinking solutions possible for your world.



## Toshiba Airconditioning, We care about Better Air Solutions



Use **R32**, an alternative with a low global warming impact. The new R32 refrigerant ensures the perfect compromise between energy efficiency and respect for the environment.



Our products comply with RoHS Regulations, ensuring prohibition of restricted substances in every material of components.

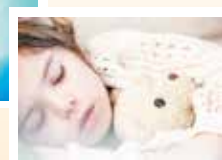


With the fast increasing waste stream, we aim to minimize the impact of electronic goods on the environment. Such inspiration leads us to limit the quantity of waste going to final disposal by **applying plastic that can be recycled**.



Our commitment is to save the earth and increase savings with digital technology that provides superior control and cost efficiency with the DC inverter compressor.

\*13k Inverter vs. Fixed Speed product



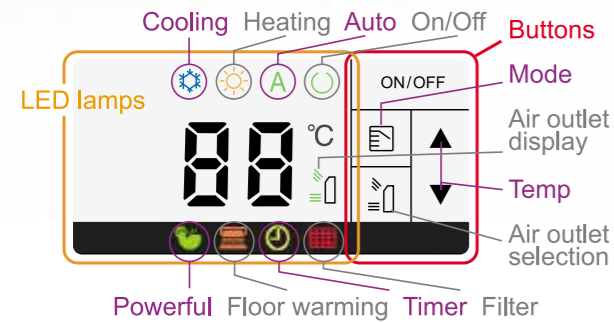


## Stylish and luxury design

This innovative and compact unit has been designed to be installed on the floor and in low wall applications, fitting perfectly under the window sills or in a low ceiling attic. Compact and modern design in all three dimensions.

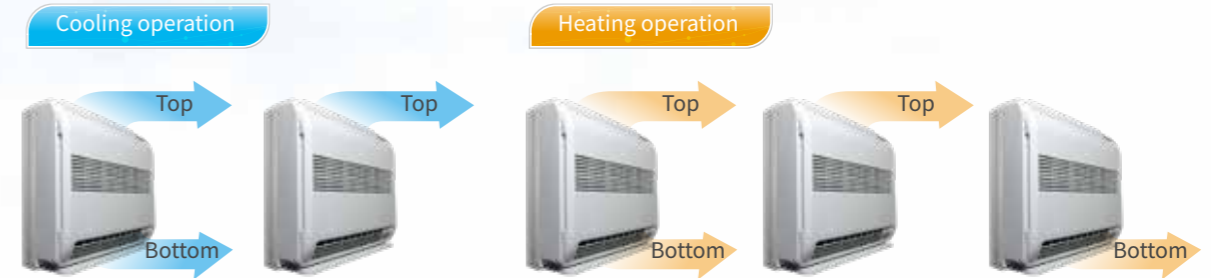
**Console Type**

Smart user interface  
Floor warming mode  
Bi-Flow



## Smart user interface

Toshiba console has Smart user interface on chassis. It enables basic operation without remote controller; on/off, temperature control, operation mode selection and air outlet selection. It displays the temperature, operation mode, air outlet direction in color. In addition, its LED light glow is adjustable by brightness control. Moreover, child lock function enables to freeze display panel.



## Bi-flow

The two outlet at the top and bottom ensure a comfortable air conditioning. You can choose the best air outlet from the following patterns. Especially, the warm air from the bottom is Toshiba original feature and it flows to the floor directly and spreads along the floor.

## Floor warming mode

Floor warming mode is like the warmth of a fireplace. It blows warmer air than normal heating mode with less uncomfortable blasts of air. You can easily switch to it by pressing remote-control button.



\*\*Available as an option.



## Toshiba Ultra Pure filter PM2.5 purification 94% efficiency

- PM2.5 refers to particulate matters coming from atmospheric pollution that have a diameter of less than 2.5 micrometers.
- Studies have found a close link between exposure to fine particles and lung disease or worsen chronic disease.
- Toshiba Ultra Pure filter captures up to 94% of PM2.5, creating healthy living spaces at home (3).

(1) Department of Microbiology, Faculty of Medicine Siriraj Hospital Mahidol University, BKK, Thailand (2) Betagro Science Center Co., Ltd., 900017366 (3) Nantong deli purification equipment factory Co, Ltd.

### ULTRA PURE FILTER



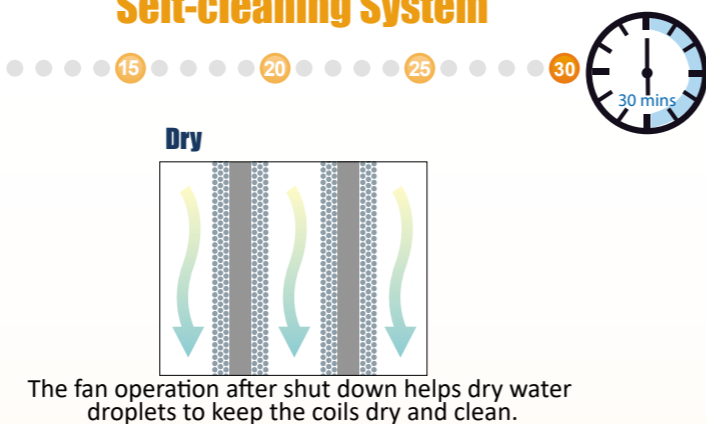
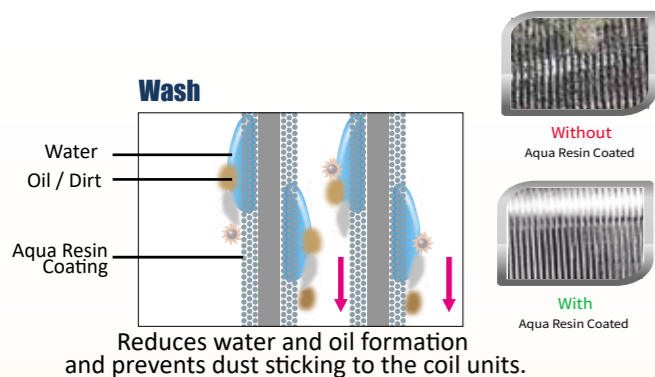
### SELF CLEANING

## Double the cleanness

Make your home with an air conditioner that reduces water and oil formation and prevents dust sticking to the unit, and with a self-cleaning function to extend the product life.

### Aqua Resin Coated Coil

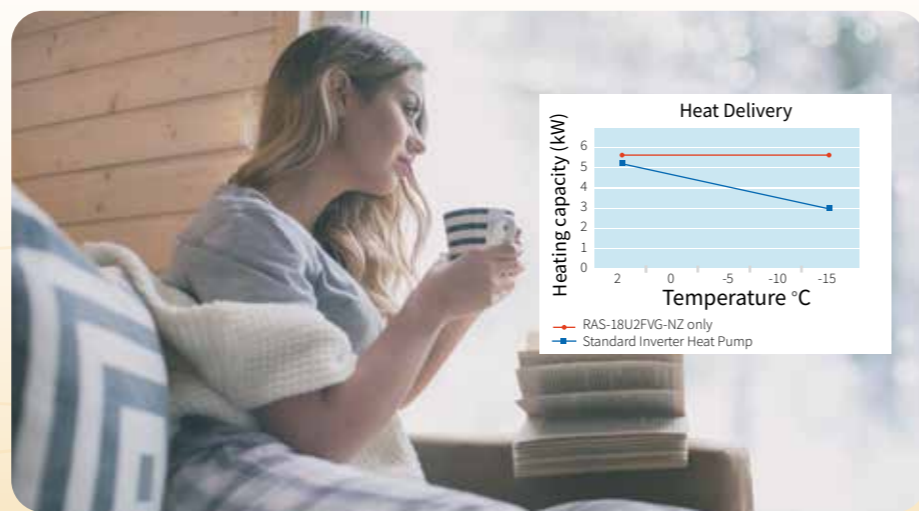
### Self-cleaning System



## Toshiba Constant heat

Toshiba constant heat function\* will give you peace of mind that you will get all the heat you paid for while feeling the warmth when it matters most.

\*Available for 18k only



## User friendly

- Remote Controller with backlight display
- Friendly by luminous buttons
- The biggest screen and symbols ever



### SILENT OPERATION

Toshiba's unique noise reduction function of outdoor unit for your neighborhood comfort



### QUIET

The indoor will operate at the lowest noise level. It shifts to super-low fan speed, thereby reducing the sound of the indoor unit.



### Hi POWER

For extra air flow intensity, cool down your room faster than ever!



### ECO LOGIC

ECO Logic button to reduce energy consumption by -25%.



### FAN SPEED

5 Fan speed with comfortable setting, plus Auto fan and Hi Power modes, You can choose from gentle airflow, right up to the full cooling of Hi Power mode.



### WEEKLY SCHEDULE

Weekly Schedule allows to set "on and off" times or program settings every 24 hours. Temperature and ON OFF operation can be programmed up to 4 different settings/day and 7 different programs in a week. Setting can be ON/OFF, Temperature set, Operation mode and Fan speed



### ON-OFF TIMER

Toshiba's design on-off time feature, which easy to use by choose hours before on or off your air conditioner.



### POWER SELECTION

Power reduction button reduce the consumption up to 50% to prevent black-outs when other appliances are used.



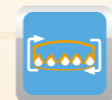
### 8 DEGREE HEATING

Protects your home and contents from freezing temperatures while you are away, making it the perfect choice in winter



### FLOOR WARMING

This feature enables users to select the favorable air flow outlet between the two available positions at the top and bottom front of the unit. The unique floor warming function, allows the unit to deliver a powerful flow at floor level for a uniform and comfortable room heating.



### FIRE PLACE IN HEATING MODE

Toshiba's unique fireplace mode provides optimum diffusion heat from your fireplace or other heat sources, by keeping the indoor unit fan blowing continuously at low speed, even when compressor is switched off



### SELF CLEANING

Self-cleaning function that reduces damp and mold in the indoor unit coil. This ensures long-lasting performance and high quality air circulation.



### WIRELESS ADAPTOR



### AQUA RASIN COATED

Aqua resin coated coil can reduce the formation of a drop of water or oil on the coil unit also the dust is hardly to stick on coil.



### AUTOMATIC RESTART

Automatic restart function in case of unexpected electricity supply line power cuts.



### AUTO DIAGNOSIS

The 26 Code Auto Diagnosis monitors main functions and components for easy maintenance.

