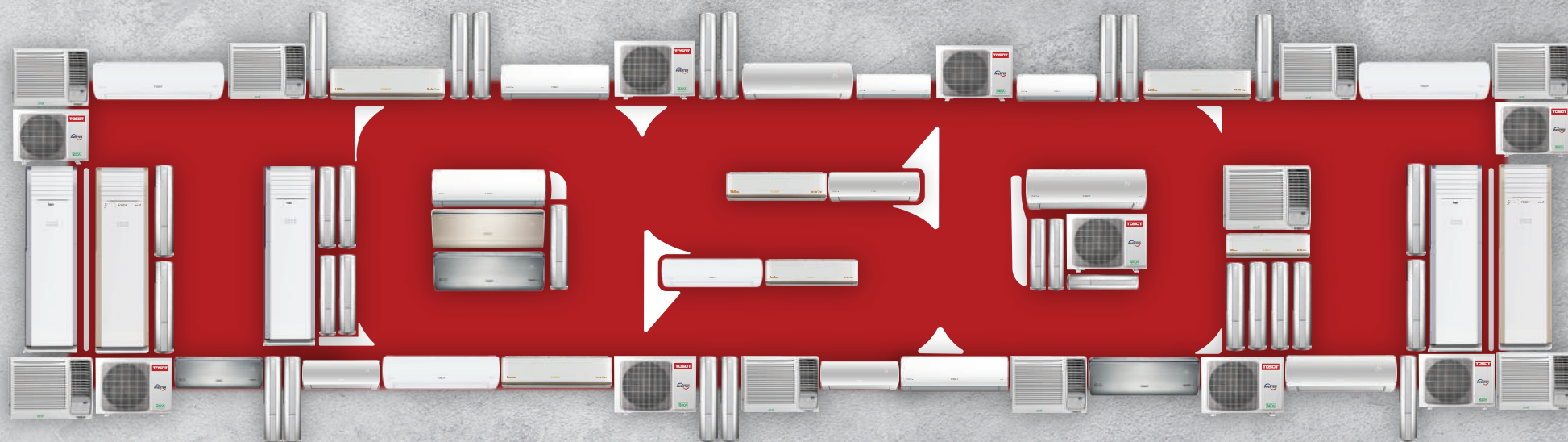




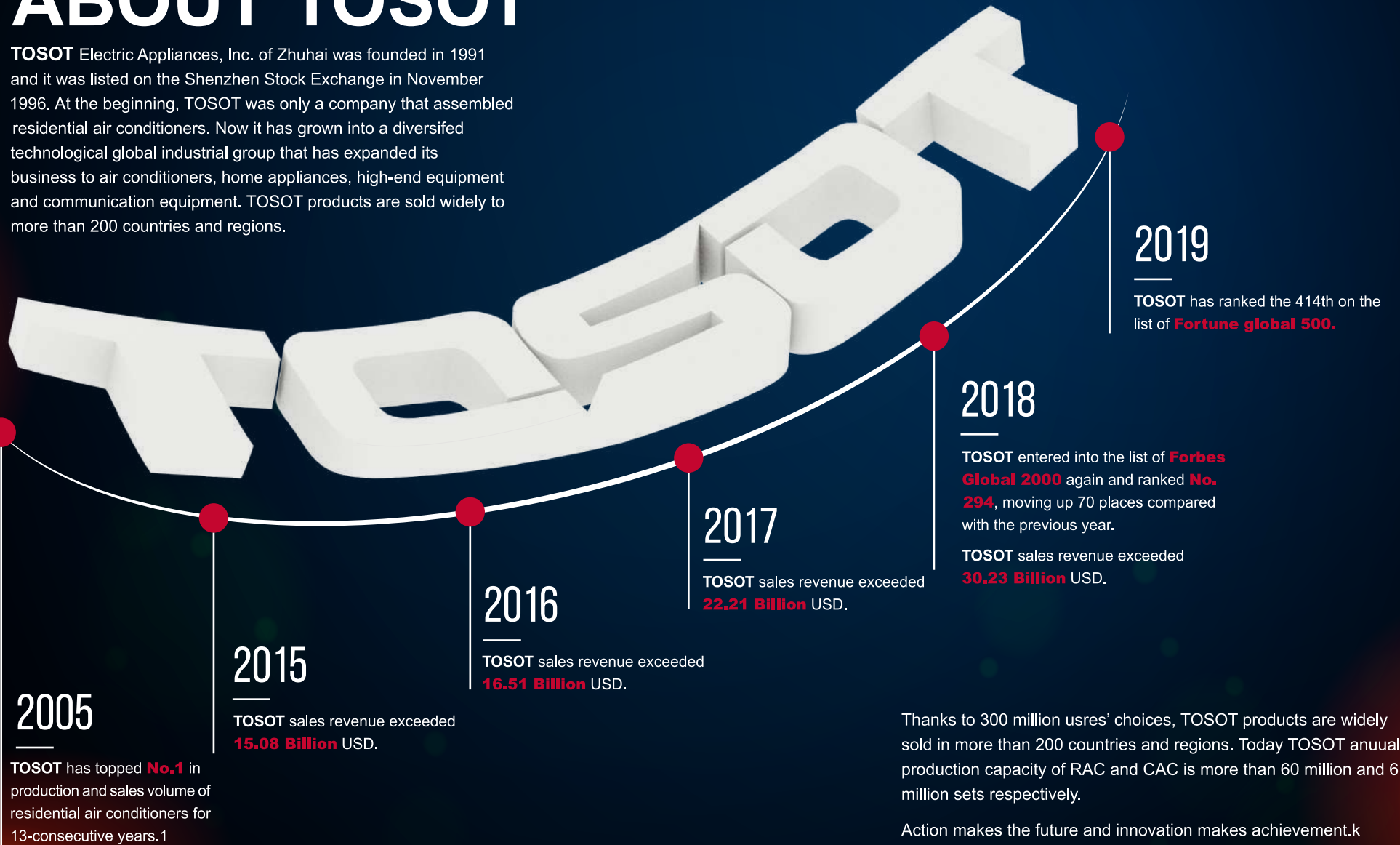
المكيف رقم 1  
في العراق



2020  
كتالوك أجهزة التكييف  
المنزلية والمركزية

# ABOUT TOSOT

TOSOT Electric Appliances, Inc. of Zhuhai was founded in 1991 and it was listed on the Shenzhen Stock Exchange in November 1996. At the beginning, TOSOT was only a company that assembled residential air conditioners. Now it has grown into a diversified technological global industrial group that has expanded its business to air conditioners, home appliances, high-end equipment and communication equipment. TOSOT products are sold widely to more than 200 countries and regions.



## 2005

TOSOT has topped **No.1** in production and sales volume of residential air conditioners for 13-consecutive years.<sup>1</sup>

## 2015

TOSOT sales revenue exceeded **15.08 Billion** USD.

## 2016

TOSOT sales revenue exceeded **16.51 Billion** USD.

## 2017

TOSOT sales revenue exceeded **22.21 Billion** USD.

## 2018

TOSOT entered into the list of **Forbes Global 2000** again and ranked **No. 294**, moving up 70 places compared with the previous year.

TOSOT sales revenue exceeded **30.23 Billion** USD.

## 2019

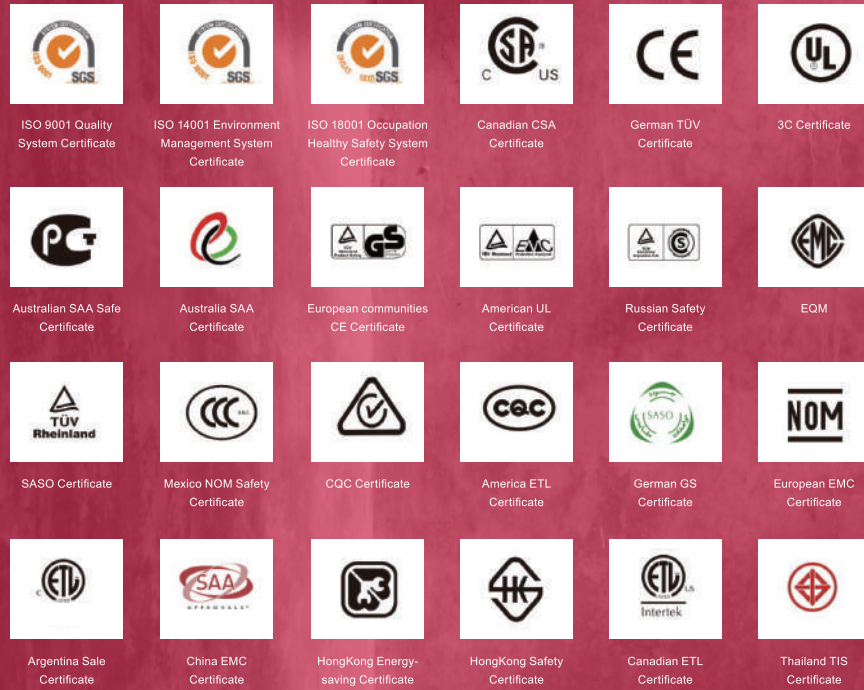
TOSOT has ranked the 414th on the list of **Fortune global 500**.

Thanks to 300 million users' choices, TOSOT products are widely sold in more than 200 countries and regions. Today TOSOT annual production capacity of RAC and CAC is more than 60 million and 6 million sets respectively.

Action makes the future and innovation makes achievement. Looking forward, TOSOT will press ahead with its business philosophy of passion, innovation and realization. We aim to build a centenary air conditioning enterprise and create a better life for humankind.

# Award & Certification

# Balsan Award & Certification



TOSOT Brands Strategic Parters Conference 2019



TOSOT Brands Strategic Parters Conference 2019



TOSOT Brands Strategic Parters Conference 2017



TOSOT Brands Strategic Parters Conference 2017

## About Company

Al-Balsan for General Trading Co. Ltd, Iraqi company specialized in Air Conditioning and small home appliances, established in 1990 with one person and two units, Al-Balsan Considered one of the most successful Iraqi companies in terms of sales growth as well as provides high product quality, with long Experience for over 30 years in fields of air conditioning, Al-Balsan has fully organized engineering staff to serve consumers, that through our main Sales points in Baghdad, Erbil, Dubai and Amman additional to the network of dealers all of over Iraq.

**OUR VISION** We intend to provide our customers with best experience of Central and home appliances products with highest quality.

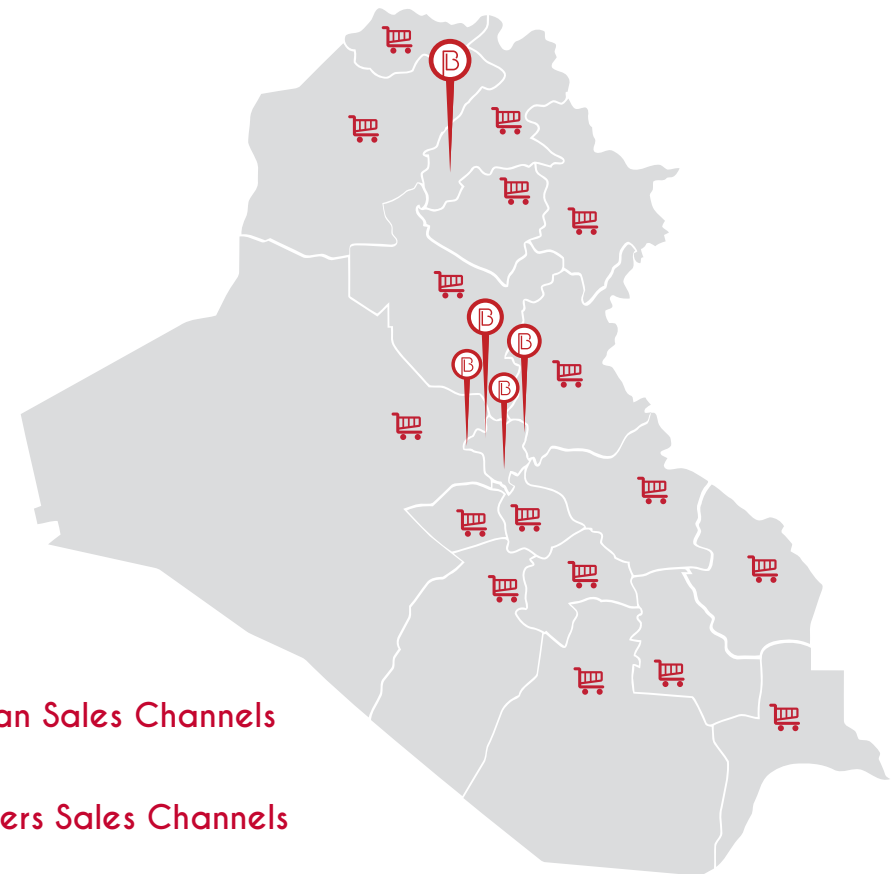
**OUR MISSION** To Make our company in the ranked iraqi specialized companies through multiple plans for both short and long terms and that to return with reasonable benefits to both of our investments and society.

**OUR VALUE** Keep the commitments with our vendors and customers through very high quality services that our teams provide along with strategic plans of improve our internal process.

**POINTS OF SALES** Al-Balsan Co. has network of Dealers covering all Iraqi provinces to provide what consumer need, in addition to our main two sales points in Baghdad & Erbil & Dubai and amman .

**AFTER SALES SERVICES** Service Center objectives:

1. Provide spare parts continually.
2. Maintenance In-house and workshops.
3. Provide on-site installation service.
4. After Sales Service network covering all Iraq.



## Superstructure activities



Al-Karadah Showroom



Al-Karkh Showroom



Erbil Showroom



Training Center



Baghdad SVC Team



Erbil SVC Team



Conference of Technicians 2019

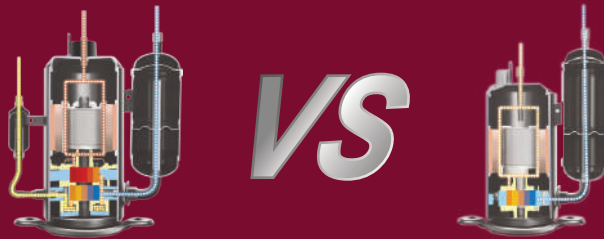


Conference of Balsan 2019

# Triple-cylinder Two-stage Rotary Compressor of Variable Volume Ratio

TOSOT self-developed technology “Triple-cylinder Two-stage Rotary Compressor of Variable Volume Ratio” achieves reliable heating performance in ultra-low ambient temperature. This technology greatly improves the heating capacity of air conditioner in extreme cold environment. Heating capacity will not reduce even when outdoor ambient temperature is as low as -15°C. It’s accredited by expert team as “world leading”.

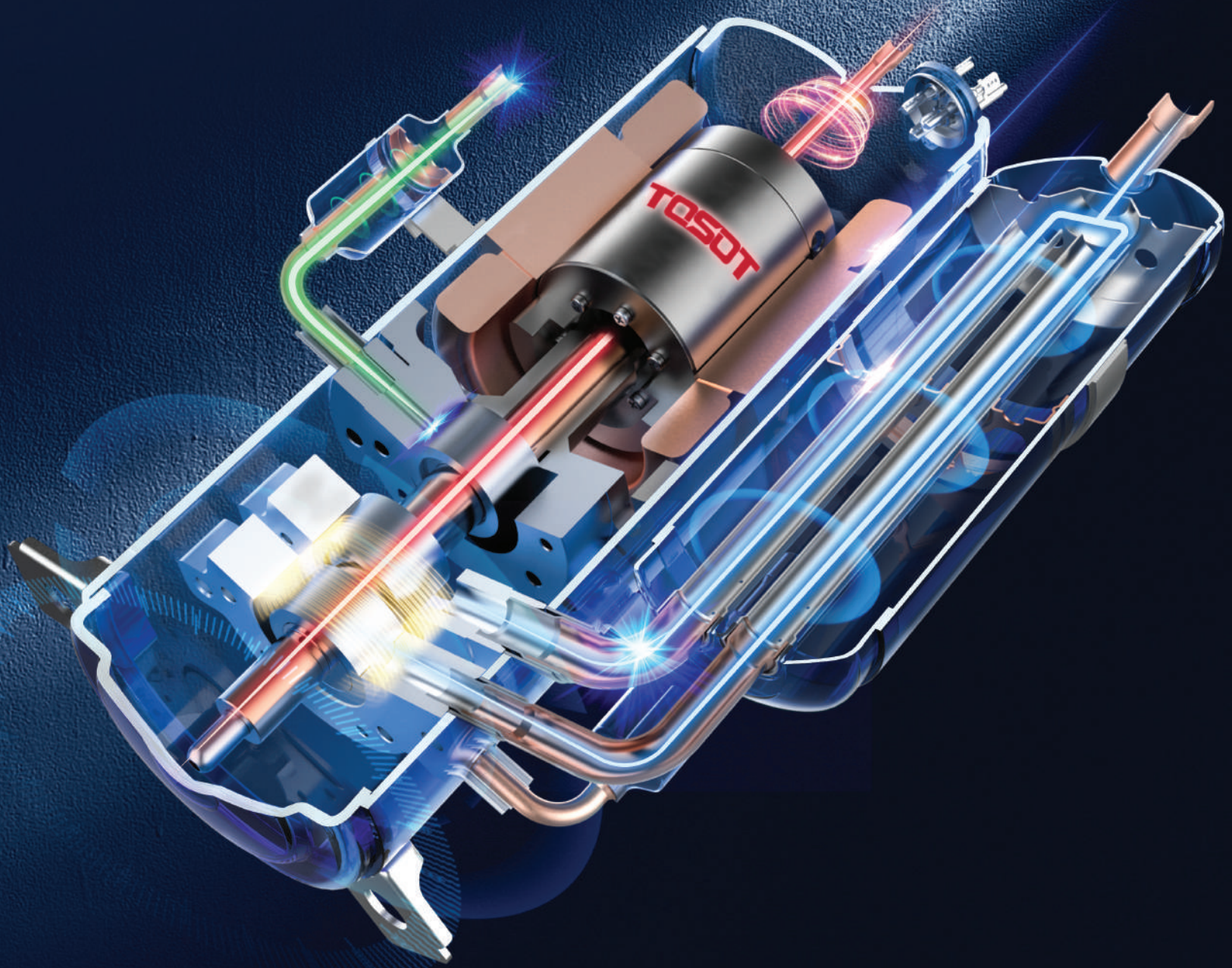
## Two-stage Compressor



**20%** ↑

Under low temperature, the capacity of two-stage compressor can be improved by 20%.

	2-stage inverter compressor	Conventional inverter compressor
Applicable temperature range	<p>Reliable operation within -30°C-55°C</p>	<p>Reliable operation within -15°C - 52°C</p>
Cooling ( heating ) capacity	<p>Heating capacity is improved by 30% Cooling capacity is improved by 35%</p>	<p>Heating capacity and Cooling capacity is not improved</p>
Air outlet temperature	<p>The highest temperature at outlet can reach 52°C in heating mode ; The lowest temperature at air outlet is as low as 12°C in cooling mode.</p>	<p>The highest temperature at outlet can reach 40°C in heating mode ; The lowest temperature at air outlet is as low as 17°C in cooling mode.</p>



# Two-stage Compressor

# PV power generation

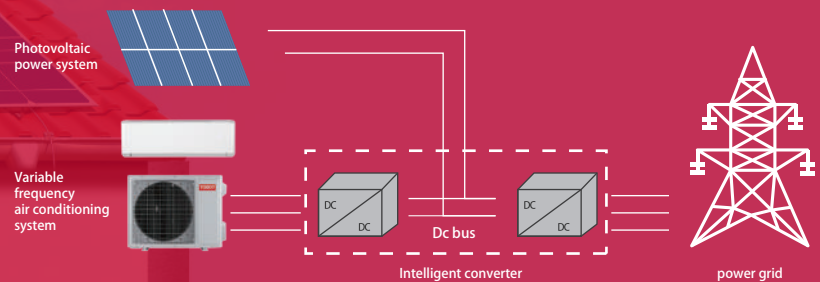
## PV power generation

PV power generation is clean, safe, reliable, reproducible, and convenient. TOSOT commercial PV direct-driven inverter air conditioning system has been widely used in different fields of 25 countries and regions globally.

### Technical strength of TOSOT PV product

#### · PV direct-driven inverter technology

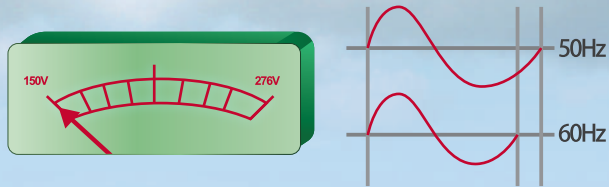
In the project “Low-temperature Air Source Heat Pump Heating Application and Demonstration in Mongolia” led by Doctor Kirk R. Smith, a fellow of NAS and the winner of Nobel Peace Prize, this product is adopted in Ulan Bator, Mongolia with lowest ambient temp. of  $-40^{\circ}\text{F}$ , solving the health problems brought by heating with coal in winter.





- **Dynamic load tracking MPPT technology**
- **Islanding protection technology**
- **PAWM interleaving modulation technology**
- **Intelligent grid self-adaption**

stable and reliable operation under wide voltage range from 150V~276V, covering overall grid frequency of 50Hz/60Hz. Wide temperature range -20°C ~ 60°C (Middle East-7°C ~ 60°C) .



Preserved power consuming side response DRED function, which meets the Australian energy subsidy policy.



- **TOSOT unique 2-stage compressor technology**
- 2-stage compressor is more suitable for high-temperature environment.

- **54°C high-temperature cooling control technology**

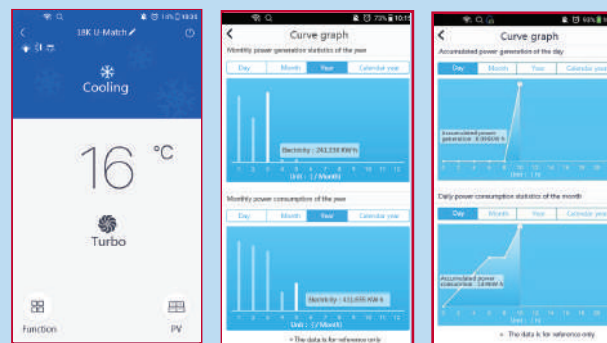
cooling capacity under 54°C without attenuation, air-out temperature can be as low as 16°C .

- **WIFI intelligent long-distance control**

through the stable and reliable long-distance CAN communication technology, PV product can be connected within 200m range with transmission speed up to 20Kbps.

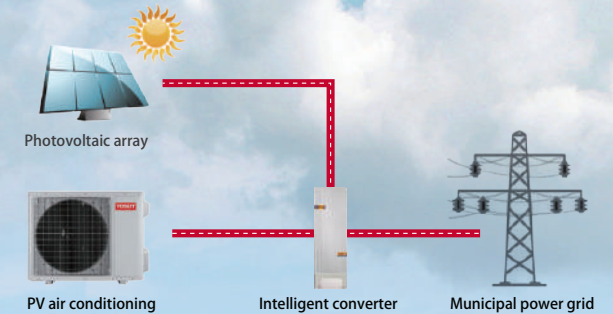
- **Intelligent APP energy information management**

based on WIFI intelligent interconnection technology, mobile APP can not only conduct long-distance control of PV air conditioner, but can also view the real-time power generation and consumption information and historical information of PV air conditioning system.



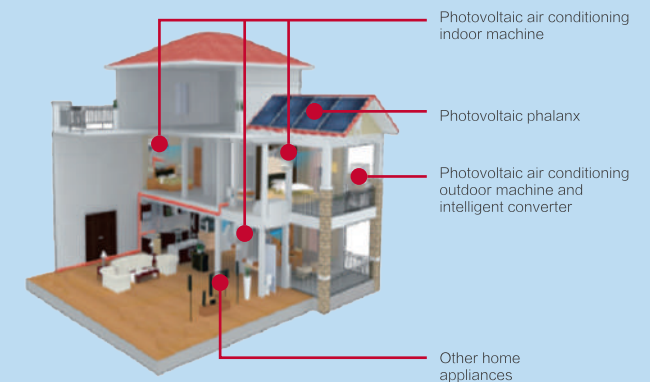
- **Intelligent mixed power supply technology**

mixed power supply through photovoltaic power and public power grid. Through intelligent control arithmetic, the system can switch among five working modes within 10ms according to the current PV power supply situation.



- **Application**

PV multi VRF unit products are promoted to TOSOT Brazil, and are successfully applied in the local market.



## Characteristics of Possible Next-Generation Refrigerants (for Residential and Light Commercial Air Conditioners)

		Environmental Performance		Safty		Economic Performance	Efficiency
		ODP	GWP *	Flammability	Toxicity	Equipment cost	
Refrigerants currently used in developing countries	R22(HCFC)	0.055	1,810	★	★	★	★
Refrigerants currently used in industrialized countries	R410A(HFC)	0	2090	★	★	★	★
Possible next-generation refrigerants	R1234yf(HFO)	0	4	◆	★	◆	※
	R32(HFC)	0	675	◆	★	★	★
	R744(CO2)	0	1	★	★	※	※
	R717(ammonia)	0	0	◆	※	※	★
	R290(propane)	0	3.3	※	★	★	★

GWP \* is quoted from the Fourth Assessment Report of the IPCC  
 Note: ※ indicates a condition not met. ◆ indicates a condition partially met. ★ indicates a condition met.  
 ■ GWP of R32 Compared to Current Refrigerant (R410A) Approx.1/3

**R290**

**R32**

**R410A**

**R22**

# High Efficiency & Energy Saving



## G<sup>10</sup> Inverter



### Ultra low frequency torque control

- Constant temperature
- Energy saving



### Environment-friendly Refrigerant

- Low-carbon design
- High efficiency



### Automatic voltage adaptation (150-260V)

- More stability
- Less damage



### High-speed DSP chip

- Accurate calculation
- Efficient operation



### Ultra-low noise control

- Quiet
- Comfortable



### Wide frequency precise control

- Unceasing operation
- Accurate control



### High reliability

- Excellent quality
- Superior performance



### Computer simulation control

- Less fluctuation
- Lower noise



### Power factor correction technology

- High efficiency
- Better protection

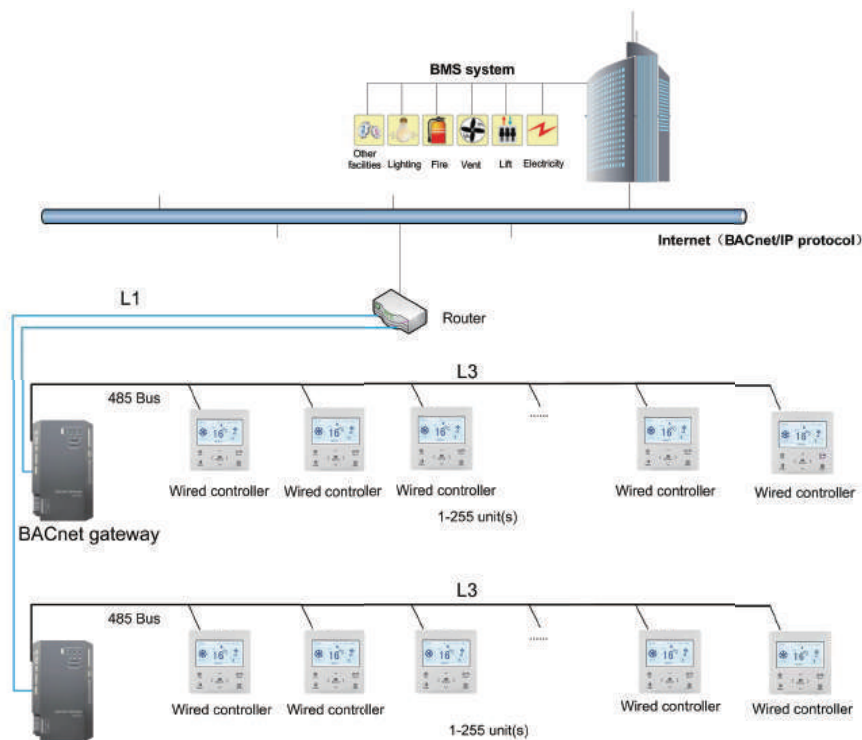


### UHF flux-weakening control

- Rapid cooling
- Rapid heating

# Bacnet System

TOSOT Free Match provides multiple intelligent controls in order to satisfy all demands. It can control both a room and a building at the same time.



**NOTE:** L1 is the standard network cable and L3 is the twisted pair line.

## Internet for 485bus:

the black wire is 485bus, which is consisting of BACnet gateway and all IDUs and ODUs of the system. One 485bus internet can be connected to maximum 255 wired controllers.

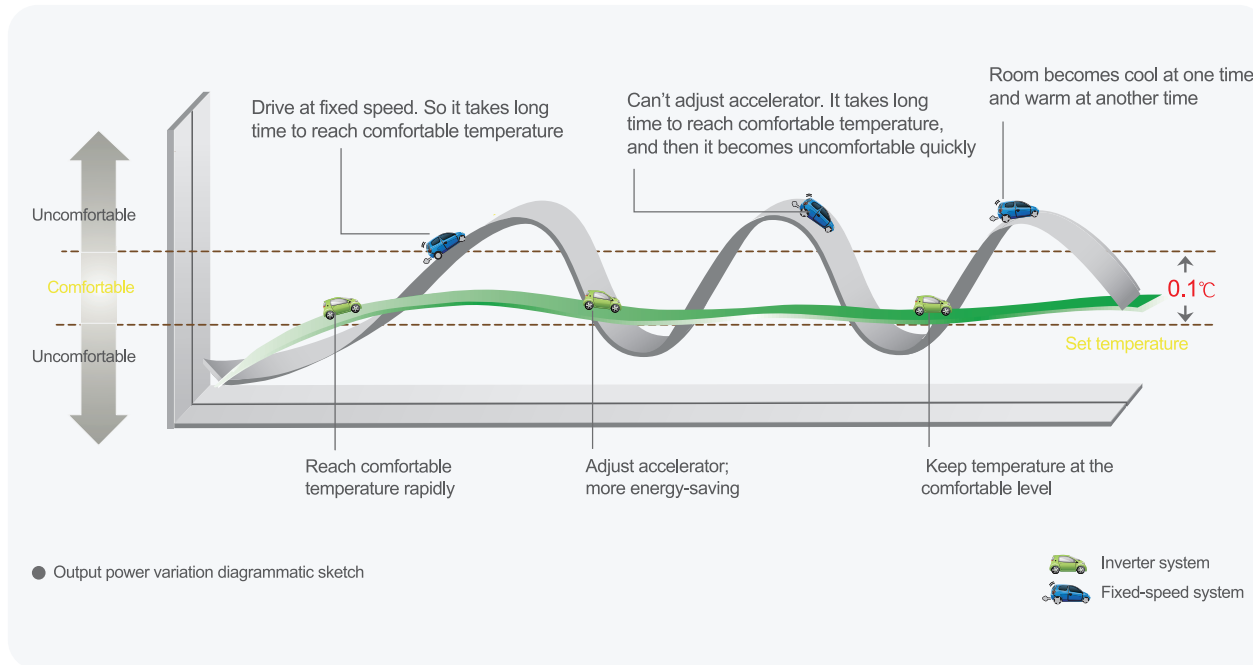
## System:

one system is a bus internet, consisting of one gateway and 1-255 wired controllers (including the subordinate IDU and ODU).

## The admissible unit quantity for BACnet gateway:

one BACnet gateway can be connected to a maximum of 255 wired controllers (including the subordinate IDU and ODU).

# How Inverter Saves Energy

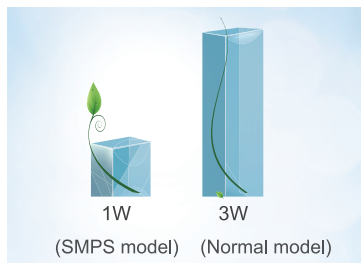


## Intelligent Defrosting

Adopting advanced and unique intelligent defrosting mode. TOSOT WiFi intelligent defrosting proprietary technology overcomes the defrosting defect of mechanical defrosting mode. It senses frost and the amount of frost intelligently, conducts defrosting in frosty condition while no operation if frostless, which not only saves energy, but also enhances heating effect.



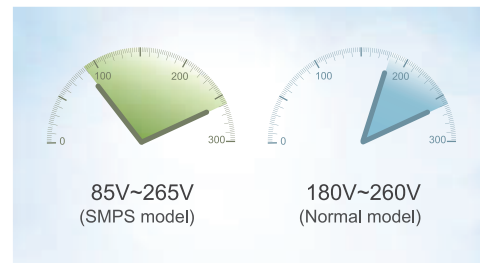
### SMPS ▶



### High efficient and Quiet Fan ▶



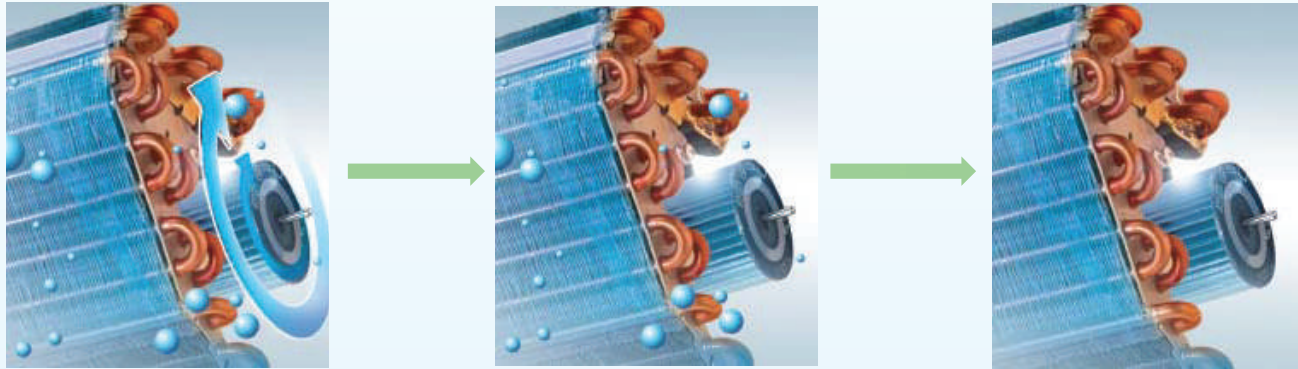
### Better PCB protection between 85V-265V ▶



# Health

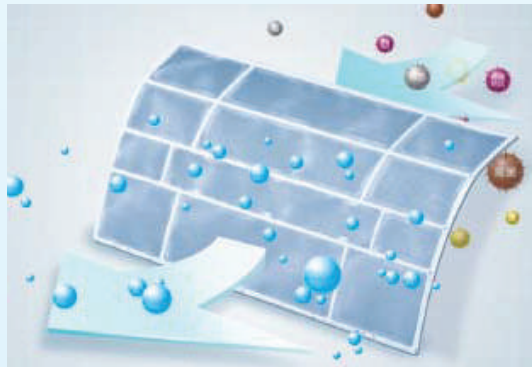
## Auto Clean ( X-FAN) ▶

Cross fan continues blowing to dry inside of indoor unit after switching off the unit so as to keep clean and healthy.



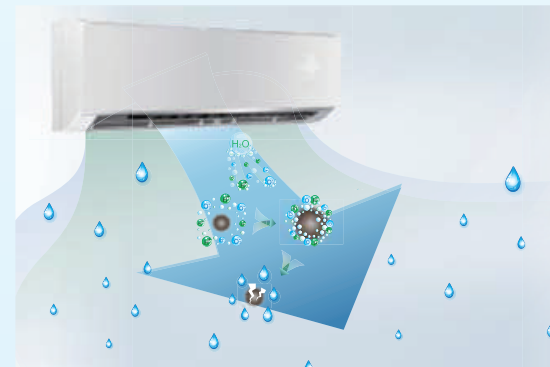
## High density filter ▶

Higher density filter than normal filter, preventing tiny dust and pollen in air from entering into the unit efficiently, keeping you away from dust particle and enjoying healthy natural wind at any time.



## Cold Plasma ▶

Effective sterilization with bacteria killed Odor removal. Air nutrition improvement with more negative oxygen ions.



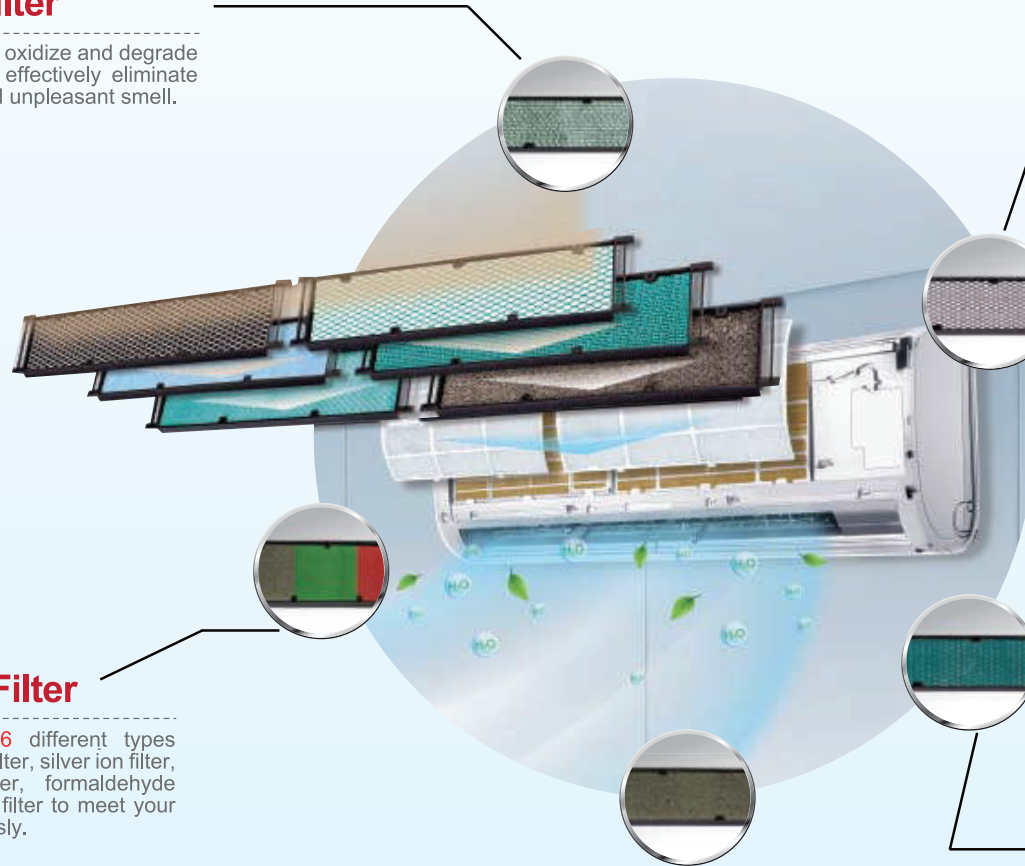
# Health

## Photocatalytic Filter

This filter is able to completely oxidize and degrade organic contaminants. It can effectively eliminate **99.9%** of bacteria, viruses and unpleasant smell.

## Active Carbon Filter

Activated carbon can effectively adsorb smoke, pet odors, and other unpleasant odors.



## Multi-function Filter

Combine **3** filters from **6** different types including acarobacterium filter, silver ion filter, catechin filter, chitin filter, formaldehyde beater filter and vitamin C filter to meet your various needs simultaneously.

## Catechin Filter

Catechin is extracted from green tea. It can effectively eliminate **95%** of carcinogenic agents, such as staphylococcus, streptococcus, salmonella, etc.

## Silver Ion Filter

Silver ion is able to sterilize **99%** of bacteria by suppressing proliferation of mold and bacteria and preventing the causes of unpleasant odors.

# Comfort

## Low Ambient Temperature ▶



### 8°C Heating

Maintain the room temperature steadily at 8°C and prevent the room from freezing by heating operation when nobody is at home for long in severe winter.

### -15°C Cooling

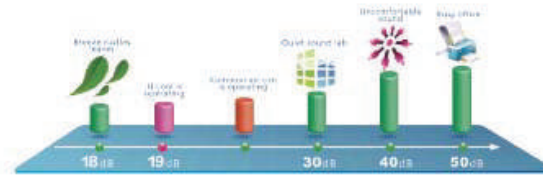
Cooling at -15°C while keep a reliable operation. As the outdoor temperature changes, the frequency of compressor and the speed of fan adjusts accordingly.

### -20°C Heating

Operate finely when heating at -20°C. It is supported by TOSOT's electrical heating chassis, preheating technology and frequency-adjusting compressor.

## Low noise ▶

Noise lowers to 19dB, making you feel like staying on the Moon.



## Turbo Cooling ▶



Press "Turbo" button on remote controller to enjoy a larger air flow, which enables the indoor temperature to reach the set temp in a shorter time.

## TOSOT Outdoor Unit Models

TOSOT outdoor unit, with high-strength body, thickened Al-Zn alloy coated steel sheet, and stamping reinforcement, which improves the load of structure greatly to extend the durability of outdoor unit.

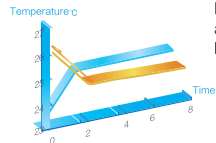


## Comfortable Sleep Mode ▶



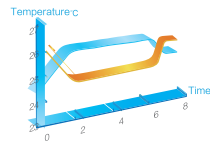
### • Sound sleep mode

set temperature is close to body temperature and will adjust automatically and intelligently.



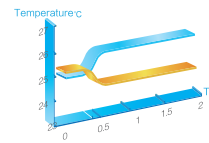
### • Good sleep mode

before you get up, set temperature will decrease or increase automatically to refresh you in the morning.



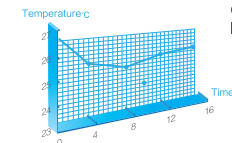
### • Siesta mode

set temperature will be adjusted according to siesta characteristic, which effectively increases siesta quality.



### • DIY mode

you can set temperature curve and sleep time as you like.





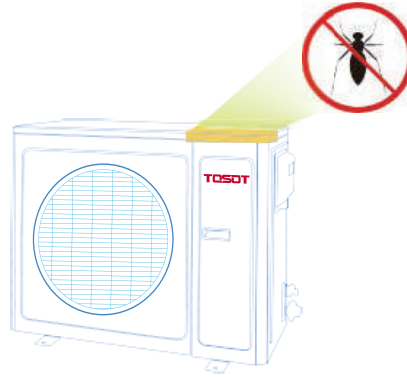
## High-efficiency drainage design of outdoor unit chassis ▶

The high-efficiency drainage design of outdoor unit chassis can drain water effectively in extreme condition, to prevent serious icing.



## Mothproof and dustproof electric box of outdoor unit ▶

Electric box of outdoor unit is mothproof and dustproof, which is more reliable for outdoor operation.



## Golden /Blue Fin for High anti-corrosive ▶

For some humid or coastal areas, TOSOT air conditioner adopts special anti-corrosion black aluminum foil with corrosion resistance up to 1500h and acid resistance up to 300h. Its anti-corrosion effect is better than normal fin, which enables long service life for the unit.



Black/Golden Fin  
1500h

Normal Fin  
500h

## Improved Base Pan Design ▶

Condensing water will flow easily and not be frozen on the base pan. It also improves heating efficiency during low temp operation.



## High Temp Resistance PCB ▶

In the inverter outdoor unit, the PCB could work well even when temp is up to 85 C , and also metal casing is fire-proof.

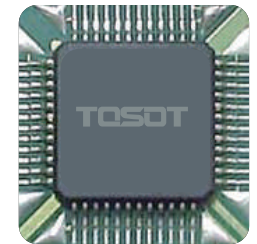


## Refrigerant leakage protection ▶

When Refrigerant is insufficient and the valve is blocked, indoor unit of air conditioner will display F-malfunction and stop operation. This function effectively protects the whole unit and safeguard the compressor against any damages occurred due to high temperature result in fluorine leakage.



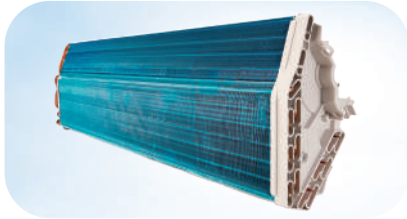
## Control System ▶



Cutting-edge chip for precise inverter control

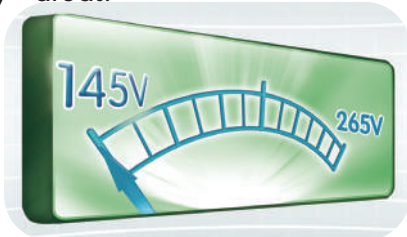
### Integrated Evaporator ▶

Compact design minimizes IDU size and enhances heat exchange greatly.



### 145V Low Voltage Start Up ▶

The unit could be operated from 170V to 265V, which is suitable for unstable power supply areas.



### Integrated Design ▶

Integrated rear base and water tray design  
To avoid water leakage and reduce noise.



### Dual Side Installation ▶

Left or right side water outlet, for easier installation.



### Fire-proof electric box ▶

Electric box sealed by metal casing could prevent fire in case of short-circuit.



### Auto Restart ▶

When the power is off and then on, the unit automatically restores the previous function setting.



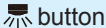
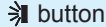

### Self-diagnosis ▶

Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast service.

### Fluorine leakage protection ▶

When fluorine is insufficient and the valve is blocked, indoor unit of air conditioner will display FO malfunction and stop operation. This function effectively protects the whole unit and safeguard the compressor against any damages occurred due to high temperature result in fluorine leakage.



- 1 ON/OFF button
- 2 MODE button  
Change operation mode: Auto, Cool, Dry, Fan, and Heat
- 3 FAN button  
Choose fan speed
- 4 TURBO button  
For rapid cooling or heating
- 5 ▲/ ▼ button  
Decrease or Raise set temperature;
- 6  button  
Press this button to set horizontal swing angle
- 7  button  
Press this button to set Vertical swing angle
- 8 SLEEP button  
Air conditioner will run according to the preset sleep temperature curve
- 9 I FEEL button  
Operation of the unit will be adjusted according to temperature sensed
- 10 TIMER ON/TIMER OFF button  
For turning off timer
- 11 CLOCK button  
Set present time or display timer
- 12 QUIET button  
Choose auto quiet mode.
- 13 X-FAN button (Note: X-FAN is the same with BLOW.)
- 14 LIGHT button  
Turn on/off the light on the unit
- 15  button  
Start the ventilation system or generate cold plasma
- 16 TEMP button  
Show set indoor/outdoor temperature

# TOSOT PRODUCTS LINEUP

Fancy  
Inverter Series

Page No. 21




12K 18K 24K  


Moon Inverter  
Series

Page No. 22



12K 18K 24K 30K  


Fancy Colored  
Series

Page No. 23




24K  


Moon Series

Page No. 24- 25




12K 18K 24K 30K  


Moon Series  
Health Care  
R22

Page No. 26



12K 18K  


Taj Super Inverter  
Series

Page No. 27




38K  


Taj Inverter  
Series

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Taj Series  
Page No. 28-30



24K 36K 48K 60K  


Family Inverter  
Series

Page No. 31



96K  


# TOSOT PRODUCTS LINEUP

Family Series  
Double fan



36K



Page No. 32

Window Type



18K 24K



Page No. 33-34



Cassette Inverter  
Type  
Round Series



24K 36K 48K 60K



Page No. 35-36

Cassette Inverter  
Type



18K 24K 36K 48K 60K



-----  
Cassette Type

Page No. 37-38

Duct Inverter  
Type



24K 36K 48K 60K



-----  
Duct Type

Page No. 39-40

Package Inverter  
Type



5 ton 8 ton 10 ton 12 ton 15 ton



Page No. 41

Package Type



31 ton 34 ton 43 ton 51 ton 68 ton 82 ton 105 ton



Page No. 42

Package Type



5 ton 8 ton 10 ton 15 ton 20 ton 25 ton 30 ton



Page No. 43-44

Ventilation



Page No. 45

Air Curtain




















Page No. 46

# Wall Type Fancy Super Inverter Series



R32 |  | 50Hz

## Features

				
3D Airflow	Compact Design	Comfortable Sleep Mode	Lock	LED Display
				
Timer	I Feel	Automatic Operation	TURBO Button	Clock Display
				
Self-Diagnosis	Auto Restart	Wifi Control	Golden Fins	Healthy Filter
				
Cold Plasma	Auto Clean			

● Standard ● Optional

Model			TS-H1261*QF3	TS-H1861*QF3	TS-H2461*QF3
Function			Heating / Cooling		
Capacity	Cooling	Btu/h	3750 ~ 16378	5118 ~ 23202	5118 ~ 30708
	Heating	Btu/h	3003 ~ 22178	5118 ~ 23884	6141 ~ 30708
EER / COP	(Btu/h) / w , w/w		13.65 / 3.81	11.3 / 4.3	13.65 / 3.93
Power Supply	Ph,V,HZ		1Ph,220-240V,50Hz		
Rated Current	Cooling	A	6.0 ~ 8.5	7.0 ~ 10.0	7.3 ~ 12.5
	Heating	A	7.5 ~ 11.5	5.5 ~ 10.6	7.4 ~ 12.0
Air Flow Volume	-	m3/h	680	1300	1500
Sound Pressure Level	Indoor	dB (A)	29	36	37
Dimension (W×H×D)		mm	889×294×212	1101×327×249	1101×327×249
Net Weight		kg	11	16.5	16.5
Sound Pressure Level	Outdoor	dB (A)	53	59	60
Piping Connection	Liquid	inch	1/4"	1/4"	1/4"
	Gas	inch	3/8"	5/8"	5/8"
Gas Charge R32	-	Kg	0.92	1.5	1.3
Compressor Type		--	Two Stage - Two cylinder - Inverter Rotary		
Dimension (W×H×D)	Outdoor	mm	899×596×378	980×790×427	980×790×427
Net Weight		kg	41.5	56.5	65
Loading Quantity	40'HQ	unit	196	107	105

- TOSOT reserves the right to modify the specifications without prior notice.

- Please confirm the final specifications with sales representatives.

Colors

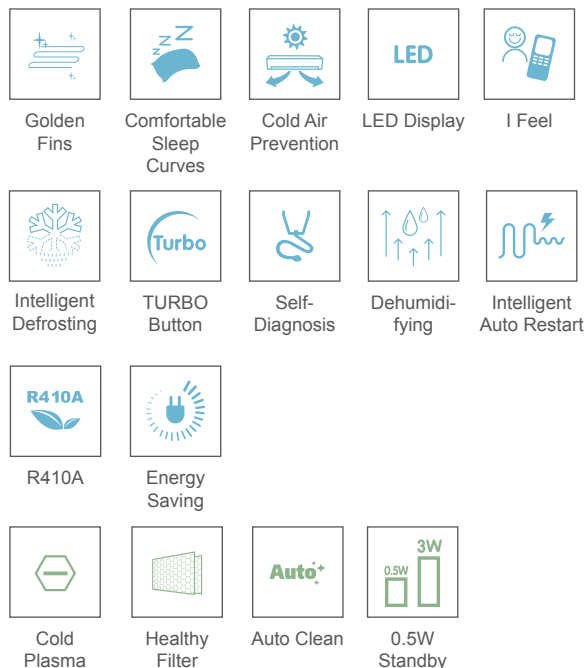


# Wall Type Moon Inverter Series



R410A | INVERTER TECHNOLOGY | 50Hz

## Features



● Standard ● Optional

Model			TS-H136IZM3	TS-H186IZM3	TS-H246IZM3	TS-H306IZM3
Function			Heating / Cooling			
Capacity	Cooling	Btu/h	1706 ~ 13000	6142 ~ 21154	3753 ~ 32000	5800 ~ 31700
	Heating	Btu/h	2730 ~ 16378	6483 ~ 23884	6141 ~ 36508	6483 ~ 23884
EER / COP	(Btu/h) / w , w/w		13.65 / 3.80	15.55 / 3.90	11.02 / 3.25	10.92 / 3.30
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz			
Rated Current	Cooling	A	3.9 ~ 6.0	6.92 ~ 11.54	9.50 ~ 16.80	11.0 ~ 15.2
	Heating	A	4.5 ~ 6.5	7.81 ~ 11.54	11.50 ~ 17.80	11.3 ~ 16.4
Airflow Volume	Indoor	m <sup>3</sup> /h	920	900	1400	1400
Sound Pressure Level		dB	29	32	35	35
Dimension (W×H×D)	Indoor	mm	1017×304×221	1017×304×221	1135×328×247	1135×328×247
		Kg	13	13	17	16.5
Sound Pressure Level	Outdoor	dB(A)	52	55	59	59
Piping Connection	Liquid	inch	1/4"	1/4"	1/4"	1/4"
	Gas	inch	1/2"	1/2"	5/8"	5/8"
Gas Charge R410a	-	Kg	1.2	1.9	2.0	2.3
Compressor Type	-		Inverter Rotary			
Dimension (W×H×D)	Outdoor	mm	848×596×320	965×700×396	965×700×396	980×790×427
Net Weight		Kg	31.5	49	53.5	65
Loading Quantity	40'HQ	sets	206	146	131	99

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- Please confirm the final specifications with sales representatives.

# Wall Type Fancy Colored Series

R410A | eco | 50Hz



**Features**

3D Airflow	Compact Design	Comfortable Sleep Mode	Lock	LED Display
Timer	I Feel	Automatic Operation	TURBO Button	Clock Display
Self-Diagnosis	Auto Restart	Golden Fins	Healthy Filter	
Cold Plasma	Wifi Control	Auto Clean		

● Standard ● Optional

<b>Model</b>	<b>TS-H2460*ZF3</b>		
<b>Function</b>	Heating / Cooling		
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	24566
	<b>Heating</b>	<b>Btu/h</b>	25249
<b>EER / COP</b>	<b>(Btu/h) / w , w/w</b>		10.6 8 / 3.52
<b>Power Supply</b>	<b>Ph ,V,Hz</b>		1Ph,220-240V,50Hz
<b>Rated Current</b>	<b>Cooling</b>	<b>A</b>	16.41
	<b>Heating</b>	<b>A</b>	13.87
<b>Air Flow Volume</b>	<b>Indoor</b>	<b>m3/h</b>	1250
<b>Sound Pressure Level</b>	<b>Indoor</b>	<b>dB (A)</b>	38
<b>Dimension (W×H×D)</b>		<b>mm</b>	1135x328x247
<b>Net Weight</b>		<b>kg</b>	17
<b>Sound Pressure Level</b>	<b>Outdoor</b>	<b>dB (A)</b>	55
<b>Piping Connection</b>	<b>Liquid</b>	<b>inch</b>	1/4"
	<b>Gas</b>	<b>inch</b>	5/8"
<b>Gas Charge R410a</b>	-	<b>Kg</b>	1.70
<b>Compressor Type</b>		-	Rotary
<b>Dimension (W×H×D)</b>	<b>Outdoor</b>	<b>mm</b>	965×700×396
<b>Net Weight</b>		<b>kg</b>	55
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>unit</b>	128

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Colors





# Wall Type Moon Series

R410A | eco | 50Hz



## Features



Golden Fins



Comfortable Sleep Curves



Cold Air Prevention



LED Display



I Feel



Intelligent Defrosting



TURBO Button



Self-Diagnosis



Dehumidifying



Intelligent Auto Restart



R410A



Energy Saving



Healthy Filter



Cold Plasma



Auto Clean



0.5W Standby

● Standard

● Optional

Model		TS-H126OZM3	TS-H246OZM3	TS-H306OZM3	
<b>Function</b>		Heating / Cooling			
<b>Capacity</b>	Cooling	Btu/h	12113	24500	27300
	Heating	Btu/h	12624	25200	29000
<b>EER / COP</b>	(Btu/h) / w , w/w		10.95 / 3.61	10.65 / 3.52	9.83 / 3.08
<b>Power Supply</b>	Ph,V,Hz		1Ph,220-240V,50Hz		
<b>Rated Current</b>	Cooling	A	4.9	10.0	14
	Heating	A	4.56	9.0	12
<b>Airflow Volume</b>	Indoor	m <sup>3</sup> /h	630	1250	736
<b>Sound Pressure Level</b>	Indoor	dB	29	38	40
<b>Dimension (W×H×D)</b>		mm	845×289×209	1135×328×247	1135×328×247
<b>Net Weight</b>		Kg	10	17	17
<b>Sound Pressure Level</b>	Outdoor	dB(A)	52	55	57
<b>Piping Connection</b>	Liquid	inch	1/4"	1/4"	1/4"
	Gas	inch	1/2"	5/8"	5/8"
<b>Gas Charge R410a</b>	-	Kg	0.8	1.7	1.9
<b>Compressor Type</b>		-	Rotary		
<b>Dimension (W×H×D)</b>	Outdoor	mm	848×540×320	965×700×396	1003×790×427
<b>Net Weight</b>		Kg	33	55	68
<b>Loading Quantity</b>	40'HQ	sets	240	128	105

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



- Please confirm the final specifications with sales representatives.

# Wall Type Moon Series

R410A | eco | 50Hz



## Features

 Golden Fins	 Comfortable Sleep Curves	 Cold Air Prevention	 LED Display	 I Feel
 Intelligent Defrosting	 TURBO Button	 Self-Diagnosis	 Dehumidifying	 Intelligent Auto Restart
 R410A	 Energy Saving	 Healthy Filter		
 Cold Plasma	 Auto Clean	 0.5W Standby		

● Standard ● Optional

Model			TS-C126OZM3	TS-C246OZM3
Function			Cooling Only	
Capacity	Cooling	Btu/h	12000	24000
	Heating	Btu/h	-	-
EER / COP	(Btu/h) / w , w/w		10.68 / -	11 / -
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz	
Rated Current	Cooling	A	5	10.0
	Heating	A	-	-
Airflow Volume	Indoor	m <sup>3</sup> /h	630	1250
Sound Pressure Level		dB	29	38
Dimension (W×H×D)	Indoor	mm	845×289×209	1135×328×247
Net Weight		Kg	10	17
Sound Pressure Level	Outdoor	dB(A)	52	53
Piping Connection	Liquid	inch	1/4"	1/4"
	Gas	inch	1/2"	5/8"
Gas Charge R410a	-	Kg	0.76	1.6
Compressor Type		-	Rotary	
Dimension (W×H×D)	Outdoor	mm	848×320×540	965×700×396
Net Weight		Kg	32	54
Loading Quantity	40'HQ	sets	240	128

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- Please confirm the final specifications with sales representatives.

# Wall Type Moon Series

Health Care | R22 | 50Hz



## Features

3D Airflow	Comfortable Sleep Curves	Cold Air Prevention	LED Display	Timer
Intelligent Defrosting	TURBO Button	Self-Diagnosis	Dehumidifying	Intelligent Auto Restart
Auto Restart	Golden Fins	Healthy Filter		
I Feel	8 °C Heating	Energy Saving	Auto Clean	Cold Plasma

● Standard ● Optional

Model			TS-H126MAM3	TS-C126MAM3	TS-H186MAM3	TS-C186MAM3	
Function			Heating / Cooling		Cooling Only	Heating / Cooling	
Capacity	Cooling	Btu/h	12000	12000	18000	18200	
	Heating	Btu/h	12800	-	18766	-	
EER / COP	(Btu/h) / w , w/w		8.95 / 3.26	8.90 / -	10.5 / 3.18	10.0 / -	
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz				
Rated Current	Cooling	A	5.6	5.6	7.37	8.0	
	Heating	A	5.1	-	7.39	-	
Airflow Volume	Indoor	m³/h	630	5.6	850	850	
Sound Pressure Level		dB(A)	28	28	35	36	
Dimension (W×H×D)	Indoor	mm	894×291×211	894×291×211	1017×304×221	1017×304×221	
Net Weight		Kg	11	11	14	14.5	
Sound Pressure Level	Outdoor	dB(A)	50	50	52	55	
Piping Connection	Liquid	inch	1/4"	1/4"	1/4"	1/4"	
	Gas	inch	1/2"	1/2"	1/2"	1/2"	
Gas Charge R22	-	Kg	0.81	0.65	1.3	1.2	
Compressor Type			Rotary				
Dimension (W×H×D)	Outdoor	mm	848×540×320	848×540×320	912×646×373	913×680×378	
Net Weight		Kg	33	31	48	49.5	
Loading Quantity	40'HQ	sets	240	240	150	150	

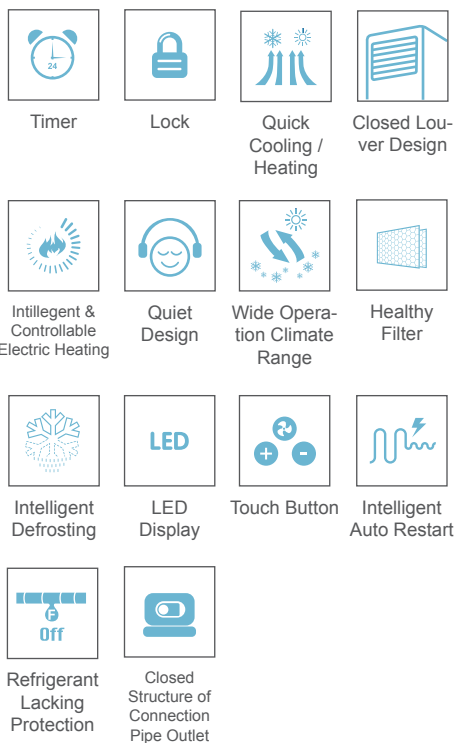
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# Floor Standing Type Taj Super Inverter Series

R32 | INVERTER TECHNOLOGY | 50Hz

## Features



<b>Model</b>	<b>TF-H386GQI3</b>		
<b>Function</b>	Heating / Cooling		
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	3200 ~ 38200
	<b>Heating</b>	<b>Btu/h</b>	2400 ~ 41000
<b>EER / COP</b>	<b>(Btu/h) / w , w/w</b>		11.25 / 3.3
<b>Power Supply</b>	<b>Ph,V,Hz</b>		1Ph,220-240V,50Hz
<b>Rated Current</b>	<b>Cooling</b>	<b>A</b>	14.0
	<b>Heating</b>	<b>A</b>	13.0
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m³/h</b>	1850
<b>Sound Pressure Level</b>	<b>Indoor</b>	<b>dB</b>	50
<b>Dimension (W×H×D)</b>		<b>mm</b>	587x1882x394
<b>Net Weight</b>		<b>Kg</b>	58
<b>Sound Pressure Level</b>	<b>Outdoor</b>	<b>dB(A)</b>	60
<b>Piping Connection</b>	<b>Liquid</b>	<b>inch</b>	1/4"
	<b>Gas</b>	<b>inch</b>	5/8"
<b>Gas Charge R32</b>	-	<b>Kg</b>	2.3
<b>Compressor Type</b>	-	Two Stage - Two cylinder - Inverter Rotary	
<b>Dimension (W×H×D)</b>	<b>Outdoor</b>	<b>mm</b>	980x790x427
<b>Net Weight</b>		<b>Kg</b>	66
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	50

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# Floor Standing Type Taj Inverter Series

R410A | INVERTER TECHNOLOGY | 50Hz

## Features



Timer



Lock



Quick Cooling / Heating



Closed Louver Design



Intelligent & Controllable Electric Heating



Quiet Design



Wide Operation Climate Range



Healthy Filter



Intelligent Defrosting



LED Display



Touch Button



Intelligent Auto Restart



Refrigerant Lacking Protection



Closed Structure of Connection Pipe Outlet

Model			TF-H246IZJ3	TF-H366IZJ3	TF-H486IZJ3
Function			Heating / Cooling		
Capacity	Cooling	Btu/h	3412 ~ 31390	10918 ~ 38214	5391 ~ 48792
	Heating	Btu/h	5459 ~ 30026	8189 ~ 40944	12454 ~ 56980
EER / COP		(Btu/h) / w , w/w	11.98 ~ 3.80	11.25 ~ 3.45	9.59 ~ 3.37
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz		
Rated Current	Cooling	A	10.0	14.0	20.5
	Heating	A	9.5	15	20
Airflow Volume	Indoor	m <sup>3</sup> /h	1250	1850	1850
Sound Pressure Level		dB	49	52	52
Dimension (W×H×D)	Indoor	mm	507×1770×320	587×1882×394	587×1882×394
Net Weight		Kg	40	58	59
Sound Pressure Level	Outdoor	dB(A)	58	60	61
Piping Connection	Liquid	inch	1/4"	1/4"	3/8"
	Gas	inch	5/8"	5/8"	5/8"
Gas Charge R410a	-	Kg	2.0	2.5	4.2
Compressor Type		-	Rotary		
Dimension (W×H×D)	Outdoor	mm	965×700×396	1003×790×427	979×1350×412
Net Weight		Kg	53.5	67	114
Loading Quantity	40'HQ	sets	64	50	38

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# Floor Standing Type Taj Series

R410A | eco | 50Hz

## Features



Timer



Lock



Quick Cooling / Heating



Closed Louver Design



Intelligent & Controllable Electric Heating



Quiet Design



Wide Operation Climate Range



Healthy Filter



Intelligent Defrosting



LED Display



Touch Button



Intelligent Auto Restart



Refrigerant Lacking Protection



Closed Structure of Connection Pipe Outlet

Model		TF-H246GZJ3	TF-H366GZJ3	TF-H488GZJ3	TF-H608GZJ3	
Function		Heating / Cooling				
Capacity	Cooling	Btu/h	24000	34973	44000	58004
	Heating	Btu/h	25931	35314	50500	64828
EER / COP	(Btu/h) / w , w/w	9.68 ~ 3.23	11.02 ~ 3.76	8.84 ~ 2.98	10.33 ~ 3.31	
Power Supply	Ph,V,HZ	1Ph,220-240V,50Hz		3Ph,380-415V,50Hz		
Rated Current	Cooling	A	11.4	14.0	10.0	12.0
	Heating	A	10.8	12.5	10.0	12.0
Airflow Volume	Indoor	m <sup>3</sup> /h	1200	1850	1850	2200
Sound Pressure Level		dB	37	45	46	49
Dimension (W×H×D)	Indoor	mm	507×1770×320	587×1882×394	587×1882×394	666×1929×414
Net Weight		Kg	40	59	62	69
Sound Pressure Level	Outdoor	dB(A)	56	58	59	61
Piping Connection	Liquid	inch	1/4"	3/8"	3/8"	3/8"
	Gas	inch	5/8"	5/8"	5/8"	3/4"
Gas Charge R410a	-	Kg	1.7	3.0	3.60	5.35
Compressor Type		-	Rotary			
Dimension (W×H×D)	Outdoor	mm	955×700×396	980×790×427	978×1350×412	1089×1363×427
Net Weight		Kg	60	74	108	127
Loading Quantity	40'HQ	sets	71	50	38	35

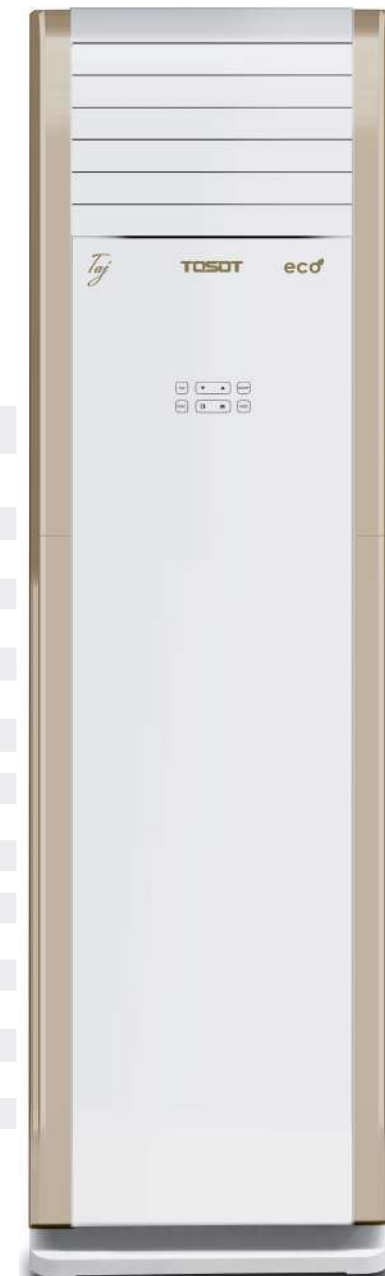
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# Floor Standing Type Taj Series

R410A | eco | 50Hz



## Features



Timer



Lock



Quick Cooling / Heating



Closed Louver Design



Intelligent & Controllable Electric Heating



Quiet Design



Wide Operation Climate Range



Healthy Filter



Intelligent Defrosting



LED Display



Touch Button



Intelligent Auto Restart



Refrigerant Lacking Protection



Closed Structure of Connection Pipe Outlet

Model			TF-C246GZJ3	TF-C366GZJ3	TF-C488GZJ3	TF-C608GZJ3
Function			Cooling Only			
Capacity	Cooling	Btu/h	24000	34973	45000	58004
	Heating	Btu/h	-	-	-	-
EER / COP		(Btu/h) / w , w/w	9.68 ~ -	11.2 ~ -	9.55 ~ -	10.33 ~ -
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz		3Ph,380-415V,50Hz	
Rated Current	Cooling	A	11.4	14.0	10.0	16.0
	Heating	A	-	-	-	-
Airflow Volume	Indoor	m³/h	1200	1850	1850	2200
Sound Pressure Level		dB	37	45	46	49
Dimension (W×H×D)	Indoor	mm	507×1770×320	587×1882×394	587×1882×394	666×1929×414
Net Weight		Kg	40	59	62	69
Sound Pressure Level	Outdoor	dB(A)	56	58	59	60
Piping Connection	Liquid	inch	1/4"	3/8"	3/8"	3/8"
	Gas	inch	5/8"	5/8"	5/8"	3/4"
Gas Charge R410a	-	Kg	1.7	3.0	3.6	5.3
Compressor Type		-	Rotary			
Dimension (W×H×D)	Outdoor	mm	955×700×396	980×790×427	978×1350×412	1089×1363×427
Net Weight		Kg	58	72	108	125
Loading Quantity	40'HQ	sets	71	50	38	35

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# Floor Standing Type Family Inverter Series

R410A | INVERTER TECHNOLOGY | 50Hz

## Features



3D Airflow



Cold Air Prevention



Comfortable Sleep Mode



Timer



Auto Clean



TURBO Button



Self-Diagnosis



Auto Restart



LED Display



Lock



Intelligent Defrosting



Golden Fins

● Standard ● Optional

<b>Model</b>	TF-H968IZS3		
<b>Function</b>	Heating / Cooling		
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	43000 ~ 96000
	<b>Heating</b>	<b>Btu/h</b>	40000 ~ 102000
<b>EER / COP</b>	<b>(Btu/h) / w , w/w</b>		8.34 ~ 2.44
<b>Power Supply</b>	<b>Ph,V,Hz</b>		3Ph,380-415V,50Hz
<b>Rated Current</b>	<b>Cooling</b>	<b>A</b>	19.7
	<b>Heating</b>	<b>A</b>	17.1
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m³/h</b>	4000
	<b>Outdoor</b>	<b>m³/h</b>	4000
<b>Sound Pressure Level</b>		<b>dB</b>	57
<b>Dimension (W×H×D)</b>	<b>Indoor</b>	<b>mm</b>	1200X1850X400
		<b>mm</b>	1200X1850X400
<b>Net Weight</b>		<b>Kg</b>	129
<b>Sound Pressure Level</b>	<b>Outdoor</b>	<b>dB(A)</b>	63
		<b>dB(A)</b>	63
<b>Piping Connection</b>	<b>Liquid</b>	<b>inch</b>	3/8"
	<b>Gas</b>	<b>inch</b>	7/8"
<b>Gas Charge R410a</b>	-	<b>Kg</b>	8.0
<b>Compressor Type</b>		-	Rolling Piston Type Rotary
<b>Dimension (W×H×D)</b>	<b>Outdoor Double Fan</b>	<b>mm</b>	940X1615X460
<b>Net Weight</b>		<b>Kg</b>	160
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	19

- TOSOT reserves the right to modify the specifications without prior notice.
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# Floor Standing Type Family Series | Double Fan

R22 | 50Hz

**Features**

 3D Airflow	 Cold Air Prevention	 Comfortable Sleep Mode
 Timer	 Auto Clean	 TURBO Button
 Self-Diagnosis	 Auto Restart	 LED Display
 Lock	 Intelligent Defrosting	
 Golden Fins		

● Standard ● Optional

<b>Model</b>	<b>TF-H366DAD3</b>		
<b>Function</b>	Heating / Cooling		
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	36000
	<b>Heating</b>	<b>Btu/h</b>	40000
<b>EER / COP</b>	<b>(Btu/h) / w , w/w</b>		8.80~2.79
<b>Power Supply</b>	<b>Ph,V,Hz</b> 1Ph,220-240V,50Hz		
<b>Rated Current</b>	<b>Cooling</b>	<b>A</b>	18.2
	<b>Heating</b>	<b>A</b>	18.6
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m³/h</b>	2000
<b>Sound Pressure Level</b>	<b>Indoor</b>	<b>dB</b>	43
<b>Dimension (W×H×D)</b>		<b>mm</b>	580X1870X382
<b>Net Weight</b>		<b>Kg</b>	57
<b>Sound Pressure Level</b>	<b>Outdoor</b>	<b>dB(A)</b>	60
<b>Piping Connection</b>	<b>Liquid</b>	<b>inch</b>	1/4"
	<b>Gas</b>	<b>inch</b>	5/8"
<b>Gas Charge R22</b>	-	<b>Kg</b>	3.7
<b>Compressor Type</b>		-	Scroll
<b>Dimension (W×H×D)</b>	<b>Outdoor Double Fan</b>	<b>mm</b>	1032X1250X412
<b>Net Weight</b>		<b>Kg</b>	112
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	42

- TOSOT reserves the right to modify the specifications without prior notice.
- Please confirm the final specifications with sales representatives.



# Window Type

R410A | eco | 50Hz



## Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Golden  
Fins

Model			TWH186BZG3	TWC186BZG3
Function			Heating / Cooling	Cooling Only
Capacity	Cooling	Btu/h	17600	18000
	Heating	Btu/h	3.0Kw	-
EER	(Btu/h) / w		9.89	9.89
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz	
Rated Current	Cooling	A	7.9	8.1
	Heating	A	13.9	-
Airflow Volume	Indoor	m <sup>3</sup> /h	590	650
Sound Pressure Level	Indoor	dB(A)	52	49
Dimension (W×H×D)		mm	660×428×700	660×428×700
Net Weight		Kg	55	54
Gas Charge R410a	Outdoor	Kg	0.82	0.82
Compressor Type		-	Rotary	
Loading Quantity	40'HQ	sets	230	230

- TOSOT reserves the right to modify the specifications without prior notice.

- Please confirm the final specifications with sales representatives.

# Window Type

R22 | 50Hz



## Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Golden  
Fins

Model			TWH246BAG3	TWC246BAG3
Function			Heating / Cooling	Cooling Only
Capacity	Cooling	Btu/h	22860	23883
	Heating	Btu/h	3.1 Kw	-
EER	(Btu/h) / w		8.53	8.53
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz	
Rated Current	Cooling	A	12.5	18.5
	Heating	A	16.1	-
Airflow Volume	m <sup>3</sup> /h		840	950
Sound Pressure Level	Indoor	dB(A)	58	56
Dimension (W×H×D)		mm	660x428x770	660x428x770
Net Weight		Kg	65	65
Gas Charge R22	Outdoor	Kg	1.25	1.1
Compressor Type		-	Rotary	
Loading Quantity	40'HQ	sets	203	203

- TOSOT reserves the right to modify the specifications without prior notice.
- Please confirm the final specifications with sales representatives.

# Commercial Air Conditioners

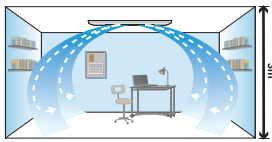
## Cassette Inverter Type | Round Series

### With Lifting Panel

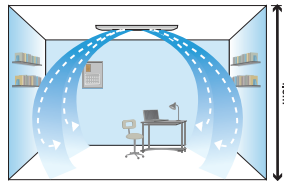
R410A | INVERTER TECHNOLOGY | 50Hz

► Full-automatic operation, Round way air supply, 3- speed fan setting and strong circulating air flow volume make the cooling or hot air directly reach every corner of the room, even if the ceiling is higher than standard height.

• The unit below **7.1 kW** is applicable to the height below **3m**.

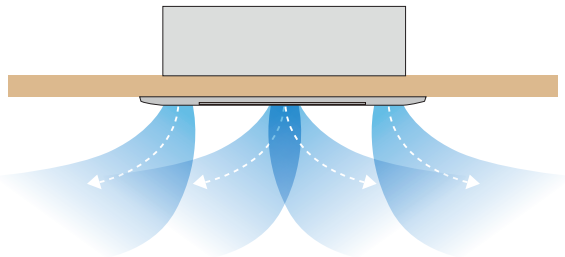


• The unit above **8kW** is applicable to the height below **4.5m**.



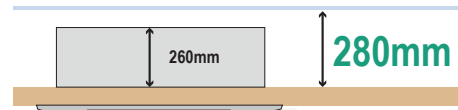
► Air supply in all directions with **360 degree sweep** for even temperature distribution\*.

*Note:*  
The guide louver defaults to min. position of **30°** during cooling, dry and fan operation, or maximum position of **60°** during heating operation.

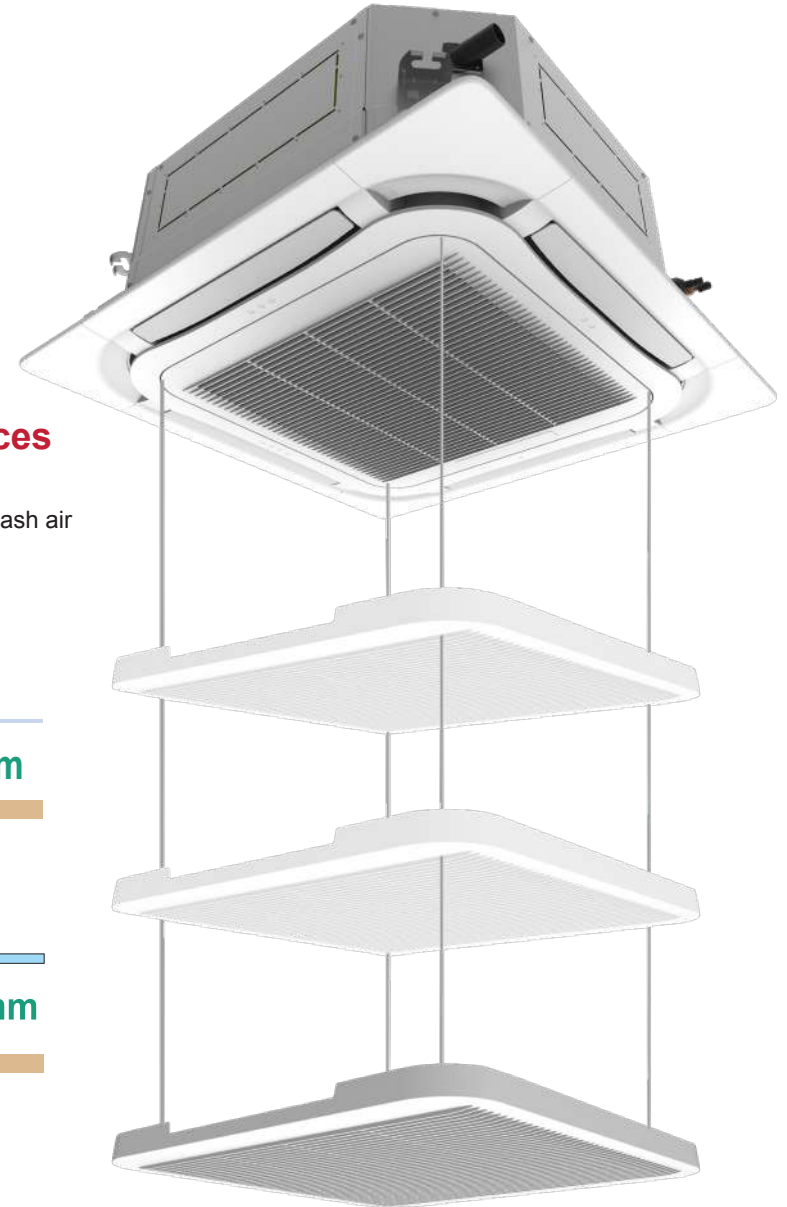
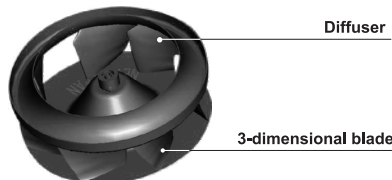
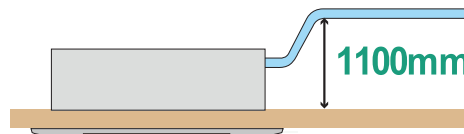


### Common Characteristics

- Low noise with 3-dimensional blade.
- Designed with fresh air baffle for fresh air introduction.
- Long life and washable filter.
- Slim unit below **7.1kw** is only **260mm** in thickness which can be installed in narrow ceiling space of at least **280mm**.



- Drain pump Fitted as standard with increased lift of **1010mm**.



# Commercial Air Conditioners

## Cassette Inverter Type | Round Series

### With Lifting Panel

R410A | INVERTER TECHNOLOGY | 50Hz



**Features**

Auto Clean	Compact Design	Self-Diagnosis
Wide Operation range	Intelligent Defrosting	TURBO Button
Golden Fins	EASIER Maintainability	Wide voltage range
Quality motor	Comprehensive protection	Anti-cold function
Healthy Filter		

Model			TC-H246IZU3	TC-H366IZU3	TC-H486IZU3
<b>Function</b>			Heating / Cooling		
<b>Capacity</b>	Cooling	Btu/h	24000 ~ 27800	36000 ~ 38000	44000 ~ 49000
	Heating	Btu/h	29000 ~ 29000	42000 ~ 42000	50200 ~ 50200
<b>EER / COP</b>	(Btu/h) / w , w/w		10 ~ 2.93	9.5 ~ 2.78	9.6 ~ 2.81
<b>Power Supply</b>	Ph,V,Hz		1Ph,220-240V,50Hz		
<b>Rated Current</b>	Cooling	A	16	25	29
	Heating	A	16	25	29
<b>Airflow Volume</b>	Indoor	m³/h	1100	1900	2000
<b>Sound Pressure Level</b>	Indoor	dB	39	45	48
<b>Dimension (W×H×D)</b>		mm	840×840×240	840×840×290	840×840×290
<b>Net Weight</b>		Kg	29	36	36
<b>Sound Pressure Level</b>	Outdoor	dB(A)	52	55	58
<b>Piping Connection</b>	Liquid	inch	3/8"	3/8"	3/8"
	Gas	inch	5/8"	5/8"	5/8"
<b>Gas Charge R410a</b>	-	Kg	2.15	3.4	3.7
<b>Compressor Type</b>			Inverter Rotary		
<b>Dimension (W×H×D)</b>	Outdoor	mm	892×340×698	940×460×820	1345×340×900
<b>Net Weight</b>		Kg	53	84	106
<b>Loading Quantity</b>	40'HQ	sets	84	58	55

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● Standard ● Optional

# Commercial Air Conditioners

## Cassette Inverter Type

R410A | INVERTER TECHNOLOGY | 50Hz



### Features



Fresh Air Supply Ventilation



Compact Design



Self-Diagnosis



Timer



Intelligent Defrosting



TURBO Button



Golden Fins



Light Function



Healthy Filter

Model			TC-H186PZIO	TC-H246PZIO	TC-H366PZIO	TC-H486PZIO	TC-H606PZIO
Function			Heating / Cooling				
Capacity	Cooling	Btu/h	5500 ~ 18700	8200 ~ 29000	10900 ~ 39200	20500 ~ 50500	22200 ~ 56300
	Heating	Btu/h	4800 ~ 22200	8200 ~ 32400	9900 ~ 48500	17700 ~ 61400	17700 ~ 68200
EER / COP		(Btu/h) / w, w/w	9.5 / 3	11.8 / 3.5	9.5 / 3.5	9.5 / 3.4	11.6 / 3.4
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz				
Rated Current	Cooling	A	5.0	9.5	12.4	16.3	17.5
	Heating	A	8.8	10.5	13.2	20.0	20.2
Airflow Volume	Indoor	m <sup>3</sup> /h	700	1500	1650	2050	2300
Sound Pressure Level		dB	37	40	43	41	41
Dimension (W×H×D)	Indoor	mm	240x596x596	320x840x840	320x840x840	290x910x910	290x910x910
Net Weight		Kg	21	31	31	43	44
Sound Pressure Level	Outdoor	dB(A)	56	57	63	63	63
Piping Connection	Liquid	inch	1/4"	3/8"	3/8"	3/8"	3/8"
	Gas	inch	1/2"	5/8"	5/8"	3/4"	5/8"
Gas Charge R410a	-	Kg	1.4	2.4	3.5	5.5	5.5
Compressor Type		-	Inverter Rotary				
Dimension (W×H×D)	Outdoor	mm	700x396x955	790x427x980	1100x440x1107	1365x477x1035	1365x477x1035
Net Weight		Kg	48	68	94	120	120
Loading Quantity	40'HQ	sets	110	69	50	48	48

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● Standard ● Optional

# Commercial Air Conditioners

## Cassette Type

R410A | eco | 50Hz



### Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Self-  
Diagnosis



Timer



Intelligent  
Defrosting



TURBO  
Button



Golden  
Fins



Light  
Function



Healthy  
Filter

Model			TC-H246PZGO	TC-H368PZGO	TC-H488PZGO	TC-H608PZGO
Function			Heating / Cooling			
Capacity	Cooling	Btu/h	24200	34100	48100	51200
	Heating	Btu/h	25900	39200	51200	57300
EER / COP		(Btu/h) / w , w/w	9.69 / 3.3	9.75 / 3.48	10.03 / 3.06	11.02 / 3.23
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz		3Ph,380-415V,50Hz	
Rated Current	Cooling	A	20.0	11.50	14.0	14.50
	Heating	A	15.5	10.5	12.0	13.5
Airflow Volume		Indoor m <sup>3</sup> /h	1450	1650	1650	1800
Sound Pressure Level		dB	46	43	43	47
Dimension (W×H×D)	Indoor	mm	840×840×240	840×840×320	840×840×320	840×840×290
Net Weight		Kg	27	32	33	37
Sound Pressure Level	Outdoor	dB(A)	54	60	60	61
Piping Connection	Liquid	inch	3/8"	3/8"	1/2"	1/2"
	Gas	inch	5/8"	3/4"	3/4"	3/4"
Gas Charge R410a		Kg	1.5	2.2	3.7	4.1
Compressor Type		-	Rotary			
Dimension (W×H×D)	Outdoor	mm	955×395×700	980×425×790	1120×440×1100	980×410×1350
Net Weight		Kg	61	69	103	118
Loading Quantity	40'HQ	sets	83	66	54	57

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● Standard ● Optional

# Commercial Air Conditioners

## Duct Inverter Type

R410A | INVERTER TECHNOLOGY | 50Hz



**Features**

- Fresh Air Supply Ventilation
- Compact Design
- Lock
- Timer
- Intelligent Defrosting
- TURBO Button
- Golden Fins

Model			TD-H246WZIO	TD-H366WZIO	TD-H486WZIO	TD-H606WZIO
<b>Function</b>			Heating / Cooling			
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	7500 ~ 29000	10900 ~ 39200	20500 ~ 49500	23200 ~ 59700
	<b>Heating</b>	<b>Btu/h</b>	8200 ~ 32400	9900 ~ 48500	17800 ~ 58000	18100 ~ 64100
<b>EER / COP</b>		<b>(Btu/h) / w , w/w</b>	11.6 / 3.5	11.6 / 3.5	11.6 / 3.5	11.6 / 3.5
<b>Power Supply</b>		<b>Ph,V,Hz</b>	1Ph,220~240V,50Hz			
<b>Rated Current</b>	<b>Cooling</b>	<b>A</b>	9.1	12.4	18.2	20.5
	<b>Heating</b>	<b>A</b>	10.4	13.5	18.9	21.2
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m³/h</b>	1400	1800	2700	3200
<b>Sound Pressure Level</b>	<b>Indoor</b>	<b>dB</b>	40	44	49	49
<b>Dimension (W×H×D)</b>		<b>mm</b>	1279x558x268	1226x775x290	1340x750x350	1497x799x389
<b>Net Weight</b>		<b>Kg</b>	34	46	59	79
<b>Sound Pressure Level</b>	<b>Outdoor</b>	<b>dB(A)</b>	57	63	63	63
<b>Piping Connection</b>	<b>Liquid</b>	<b>inch</b>	3/8"	3/8"	3/8"	3/8"
	<b>Gas</b>	<b>inch</b>	5/8"	5/8"	3/4"	3/4"
<b>Gas Charge R410a</b>	-	<b>Kg</b>	2.4	3.5	5.5	5.5
<b>Compressor Type</b>		-	Inverter Rotary			
<b>Dimension (W×H×D)</b>	<b>Outdoor</b>	<b>mm</b>	790x427x980	1100x440x1107	1365x427x1085	1365x427x1085
<b>Net Weight</b>		<b>Kg</b>	68	94	120	120
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	89	60	44	37

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# Commercial Air Conditioners

## Duct Type


R410A | eco | 50Hz




**Features**




Fresh Air Supply Ventilation




Compact Design




Lock




Timer



Intelligent Defrosting



TURBO Button



Golden Fins

Model			TD-H246TZGO	TD-H366TZGO	TD-H486TZGO	TD-H606TZGO
<b>Function</b>			Heating / Cooling			
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	24200	34100	48100	54600
	<b>Heating</b>	<b>Btu/h</b>	25200	39200	51900	61400
<b>EER / COP</b>	<b>(Btu/h) / w , w/w</b>		9.68 / 3.22	9.47 / 3.48	9.55 / 3.23	11.16 / 3.27
<b>Power Supply</b>	<b>Ph,V,Hz</b>		1Ph,220~240V,50Hz		3Ph,380-415V,50Hz	
<b>Rated Current</b>	<b>Cooling</b>	<b>A</b>	20.0	12.0	14.5	15.0
	<b>Heating</b>	<b>A</b>	15.0	10.5	11.5	14.5
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m<sup>3</sup>/h</b>	1260	2100	2300	2500
<b>Sound Pressure Level</b>	<b>Indoor</b>	<b>dB</b>	32	44	50	49
<b>Dimension (W×H×D)</b>		<b>mm</b>	1260×555×270	1230×790×290	1230×790×290	1235×830×330
<b>Net Weight</b>		<b>Kg</b>	33	46	53	56
<b>Sound Pressure Level</b>	<b>Outdoor</b>	<b>dB(A)</b>	54	60	60	61
<b>Piping Connection</b>	<b>Liquid</b>	<b>inch</b>	3/8"	3/8"	1/2"	1/2"
	<b>Gas</b>	<b>inch</b>	5/8"	3/4"	3/4"	3/4"
<b>Gas Charge R410a</b>	-	<b>Kg</b>	1.5	2.2	3.7	4.1
<b>Compressor Type</b>		-	Rotary			
<b>Dimension (W×H×D)</b>	<b>Outdoor</b>	<b>mm</b>	955×395×700	980×425×790	1120×440×1100	980×410×1350
<b>Net Weight</b>		<b>Kg</b>	61	69	103	118
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	113	80	61	56

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# Commercial Air Conditioners

## Package Inverter Type



R410A | INVERTER TECHNOLOGY | 50Hz

### Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Golden  
Fins



Dehumidi-  
fying

Model			TK-H058TZIO	TK-H088TZIO	TK-H158TZIO	TK-H258TZIO
Function	Heat Pump					
Capacity	Cooling	Btu/h	15500 ~ 60000	31000 ~ 108000	50000 ~ 187600	68000~274000
	Heating	Btu/h	15000 ~ 75000	31000 ~ 112600	50000 ~ 187600	70000~260000
EER / COP	(Btu/h) / w , w/w		11.5 / 12.4	11.2 / 11.4	11.0 / 11.4	11.10 / 9.90
Power Supply	Ph,V,Hz		3Ph,380-415V,50Hz			
Rated Current	Cooling	A	8.3	15.2	27.2	55.0
	Heating	A	8.8	15.2	26.8	50.0
Airflow Volume	Indoor	m <sup>3</sup> /h	2900	4800	9000	14500
Sound Pressure Level	Indoor	dB	64	69	71	72
Dimension (W×H×D)		mm	1750x1100x815	2110x1450x1230	2810x2240x1230	2880x2240x1270
Net Weight		Kg	300	630	900	1157
Gas Charge R410a	Outdoor	Kg	5	9	15	25
Compressor Type		-	Rotary	2XRotary		Inverter Scroll
Loading Quantity	40'HQ	sets	8	16	39	8

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# Commercial Air Conditioners

## Package Type



**R410A** | 50Hz

### Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Golden  
Fins



Dehumidi-  
fying

Model			TK-H318TZGO	TK-H348TZGO	TK-H438TZGO	TK-H518TZGO
<b>Function</b>	Heat Pump					
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	360000	408000	516000	612000
	<b>Heating</b>	<b>Btu/h</b>	375000	408000	516000	612000
<b>Power Supply</b>	<b>Ph,V,Hz</b>		3Ph,380-415V,50Hz			
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m<sup>3</sup>/h</b>	18900	23000	25200	31000
	<b>Package Dimension (W×H×D)</b>	<b>mm</b>	4680x2100x2310	4680x2100x2310	4680x2100x2310	5370x2100x2510
<b>Net Weight</b>	<b>Indoor</b>	<b>Kg</b>	2360	2490	2630	3380
<b>Compressor Type</b>	<b>Outdoor</b>	<b>-</b>	2 x Scroll			
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	2	2	2	2

Model			TK-H688TZGO	TK-H828TZGO	TK-H1058TZGO
<b>Function</b>	Heat Pump				
<b>Capacity</b>	<b>Cooling</b>	<b>Btu/h</b>	810000	984000	1260000
	<b>Heating</b>	<b>Btu/h</b>	818000	988000	1261000
<b>Power Supply</b>	<b>Ph,V,Hz</b>		3Ph,380-415V,50Hz		
<b>Airflow Volume</b>	<b>Indoor</b>	<b>m<sup>3</sup>/h</b>	40000	50000	63000
	<b>Dimension (W×H×D)</b>	<b>mm</b>	7750x2100x2510	7750x2100x2510	8580x2200x2510
<b>Net Weight</b>	<b>Indoor</b>	<b>Kg</b>	4370	4680	5330
<b>Compressor Type</b>	<b>Outdoor</b>	<b>-</b>	4 x Scroll		
<b>Loading Quantity</b>	<b>40'HQ</b>	<b>sets</b>	2	2	2

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# Commercial Air Conditioners

## Package Type



R22 | 50Hz

Model			TK-H058TAGO	TK-H088TAGO	TK-H108TAGO	TK-H158TAGO	TK-H208TAGO	TK-H258TAGO	TK-H308TAGO
Function			Heat Pump						
Capacity	Cooling	Btu/h	54000	95600	112570	170700	240000	290000	330000
	Heating	Btu/h	60000	102400	119420	170700	240000	290000	340000
EER / COP	(Btu/h) / w , w/w		8 / 8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8
Power Supply	Ph,V,Hz		3Ph,380~415V,50Hz						
Rated Current	Cooling	A	16,0	32,0	32,0	57,0	69,0	82,0	107,0
	Heating	A	16,0	32,0	32,0	57,0	69,0	82,0	107,0
Airflow Volume	Indoor	m³/h	2400	5500	6200	9000	12000	14000	18000
Sound Pressure Level		dB(A)	67	70	73	75	79	79	81
Dimension (W×H×D)	Indoor	mm	1345x1055x790	2006x1436x1117	2006x1436x1117	2205x1610x1190	2870x2120x1375	2870x2120x1775	2870x2120x2283
Net Weight		Kg	220	480	515	690	1060	1312	1540
Gas Charge R22	Outdoor	Kg	4.8	4.0+4.2	5+5	6.6+6.6	10+10	15.5+14.5	16+17
Compressor Type		-	1 x Scroll			2 x Scroll			
Loading Quantity	40'HQ	sets	48	16	16	14	4	4	4

### Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Golden  
Fins



Dehumidi-  
fying

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# Commercial Air Conditioners

## Package Type



R22 | 50Hz

Model			TK-C058TAGO	TK-C088TAGO	TK-C108TAGO	TK-C158TAGO	TK-C208TAGO	TK-C258TAGO	TK-C308TAGO
Function			Cooling Only						
Capacity	Cooling	Btu/h	59710	95531	119420	180000	240000	300000	360000
	Heating	Btu/h	-	-	-	-	-	-	-
EER / COP	(Btu/h) / w , w/w		9,0	8,0	8,0	8,0	8,0	8,0	8,0
Power Supply	Ph,V,Hz		3Ph,380~415V,50Hz						
Rated Current	Cooling	A	18,0	33,0	35,0	62,0	74,0	85,0	103,0
	Heating	A	-	-	-	-	-	-	-
Airflow Volume	Indoor	m³/h	3520	5500	7500	10000	14000	14500	15500
Sound Pressure Level	Indoor	dB(A)	67	70	73	75	78	78	79
Dimension (W×H×D)		mm	1345x1055x790	2006x1436x1117	2006x1436x1117	2205x1610x1190	2870x2120x1375	2870x2120x1375	2870x2120x1375
Net Weight		Kg	205	455	470	640	1005	1049	1115
Gas Charge R22	Outdoor	Kg	4	3.1+2.7	4.3+4.3	4.5+5.4	8+8	10+11	11+10
Compressor Type		-	1 x Scroll			2 x Scroll			
Loading Quantity	40'HQ	sets	48	16	16	14	4	4	4

### Features



Fresh Air  
Supply  
Ventilation



Compact  
Design



Golden  
Fins



Dehumidi-  
fying

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# AC Supplements

## Ventilation



### Features



Fresh Air  
Supply  
Ventilation



Compact  
Design

Model		TVHBQ-D3.5-K	TVHBQ-D5-K	TVHBQ-D8-K	TVHBQ-D10-K	TVHBQ-D15-M	TVHBQ-D20-M	TVHBQ-D30-M
<b>Air flow Volume</b>	<b>m<sup>3</sup>/h</b>	350	500	800	820	1500	1800	2800
<b>External Statics Pressure</b>	<b>(H-M-L) Pa</b>	100-80-60	70-56-40	50-40-30	50-40-30	150- -	50- -	125- -
<b>Power Supply</b>	<b>Ph,V,Hz</b>	1Ph,220V,50Hz				3Ph,380V,50Hz		
<b>Power Input</b>	<b>W</b>	0.26	0.262	0.40	0.44	0.9	1.2	2.80
<b>Sound Pressure level</b>	<b>dB(A)</b>	42	43	45	46	48	50	62
<b>Dimension (W X D X H)</b>	<b>mm</b>	800×879×306	800×879×306	832×1016×380	832×1016×380	1210×1215×452	1210×1215×452	1340×1550×572
<b>Net. Weight</b>	<b>kg</b>	45.0	45.0	57.0	57.0	110.0	110.0	215.0
<b>Loading quantity</b>	<b>40'HQ</b>	168	168	104	67	44	44	24

# AC Supplements

## Air Curtain



Model		TA970	
EER / COP	(Btu/h) / w , w/w	11.6 / 11.3	
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	
Power Input	- W	140	
Airflow Volume	- m <sup>3</sup> /h	1650	
Sound Pressure Level	- dB	61	
Dimension (W×H×D)	- mm	1200x193x215	
Net Weight	- Kg	20	

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- Please confirm the final specifications with sales representatives.

## هل تعلم أن الصيانة الدورية للجهاز تمنحك عدداً من الفوائد أهمها:



- تخفيض معدل استهلاك الكهرباء بدرجة ملحوظة و بالتالي توفير النقود.
- تمكين الجهاز من إعطاء أقصى كفاءة تشغيل.
- الحفاظ على صوت الجهاز هادئاً ومريحاً .
- توفير هواء خال من الأتربة لحماية عائلتك من تلوث الهواء ومنع كثير من الأعطال.

## الإستشارة والدعم المجاني

نقدم لكم خدمة الإستشارة الفنية الصحيحة وخدمات التركيب الموقعي وأعمال الصيانة من خلال مركز خدمات ما بعد البيع، لا تتردد في الاتصال بنا.

## نصائح هامة جداً:



- ينصح بضبط درجة حرارة جهاز التكييف على ٢٣ درجة مئوية حيث تعتبرالدرجة المثالية التي تحافظ على صحة الانسان وكذلك تطيل من عمر الجهاز التشغيلي .
- احرص ان يكون عندك عقد صيانة مع شركة متخصصة معتمدة لاجراء اعمال الصيانة الدورية وعدم الانتظار حتى حدوث العطل .
- تاكد من سلامة مصدر التيار الكهربائي في منزلك ومستوى الفولتية الواصلة .
- في حالة حصول عطل يحتاج لقطع غيار , تاكد من ان القطع المستخدمة هي اصلية وتابعة الى الشركة المستوردة , فالقطع المقلدة ضررها مضاعف وتسبب تكرر الاعطال
- اختيار سعة جهاز تلائم الحمل الحراري للغرفة مع اختيار المكان المناسب للوحدة الداخلية والخارجية، استعن بشخص ذو خبرة لتحقيق هذا الامر .
- اذا اردت تركيب جهاز جديد , تاكد من عدم تعارض موقع الوحدة الخارجية للجهاز الجديد مع الاجهزة السابقة وتوفر مسافة كافية واحرص الا يكون خلف الجهاز حائط مباشرة .
- تركيب الجهاز من قبل كادر فني متخصص يجنبك الكثير من المتاعب مستقبلا .



## الوقاية قبل العلاج



الصيانة الدورية البسيطة للجهاز هي الوقاية التي تؤدي على إطالة عمرالجهاز خاصة مع إقبال فصل الصيف، وعلى كل زبون أن يتعلم كيفية القيام بهذه العملية المتمثلة في استخراج فلترالوحدة الداخلية وغسله والتأكد من سلامة أنبوب تصريف المياه و عدم إنكساره .

## كيف تختار سعة المكيف المناسبة لمساحة غرفتك

سعة التبريد (و.ج.ب / س) غرفة غير معزولة	سعة التبريد (و.ج.ب / س) غرفة معزولة جزئياً	مساحة الغرفة (متر مربع)
15000	12000	9 إلى 11
20000	18000	11 إلى 21
25000	23000	21 إلى 28
36000	31000	28 إلى 42
43000	37000	42 إلى 53
46000	41000	53 إلى 60
52000	46000	60 إلى 71
67000	55000	71 إلى 84
71000	60000	84 إلى 92
84000	68000	92 إلى 100

1 طن = 12,000 (و.ج.ب/س)

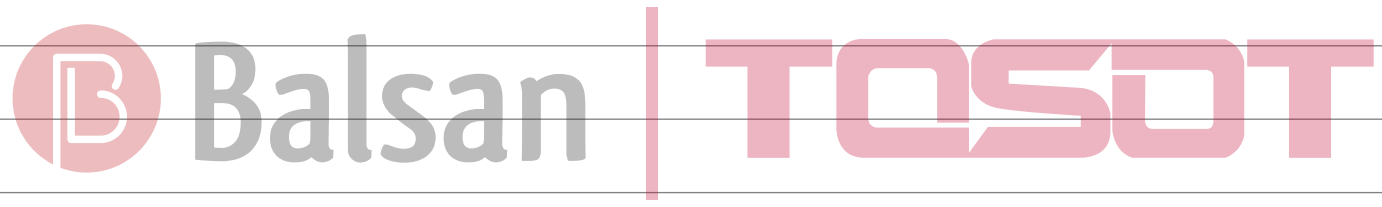
## كيف تختار جهاز التبريد



هناك بعض النقاط الاساسية التي يجب مراعاتها اثناء عملية اختيار نظام التكييف الملائم لمنزلك، واهمها:

- تأكد من وجود مجرى لمرور الانابيب النحاسية ومصدر التيار الكهربائي.
- احرص على نوعية وسماكة العوازل المستخدمة في الغرفة.
- عند ذهابك لاختيار التكييف يجب ان تذكر للبائع بعض العوامل التي تساعد في حساب ما يسمى بالحمل الحراري للمكان ليحدد لك قدرة التكييف المناسب، وهذه العوامل هي : المساحة، والاضاعة، وعدد الافراد المتوقع وجودهم في المكان، ووجود اجهزة كهربائية بالغرفة من عدمة.
- فعلى سبيل المثال اذا كان لديك غرفة مساحتها 10 امتار مربعة ويجلس بها 3 اشخاص بصفة مستمرة و 2 بصفة غير مستمرة والغرفة بها جهاز كهربائي ثلاجة او تليفزيون، والشمس ليست عامودية عليها، والاضاعة في غرفة عادية، في هذه الحالة تحتاج لجهاز تبريد ذي حمل حراري 1 طن تقريباً.
- لا تحاول اختيار قدرة الجهاز اقل من القدرة المناسبة لتوفر في الثمن، فهذا لا يضمن لك جودة تبريد مرضية للمكان.
- لا بد ان تقوم بشراء الجهاز من موزع معتمد حتى تتوفر لديه قطع الغيار الاصلية وتوفير خدمات ما بعد البيع.
- راجع موظف المبيعات لتحصل على المسافة المناسبة بين الوحدة الخارجية والوحدة الداخلية للتكييف، وكذلك عليك وضع الوحدة الخارجية بمكان واسع ومفتوح مع توفير مظلة ضد اشعة الشمس لتحصل على اعلى كفاءة.

# NOTES



# NOTES

مكيفات الهواء من

**TOSOT**

تعتني بك و بهديتك



يوزع من قبل :

شركة البلسان للتجارة العامة المحدودة  
الموزع الحصري لأجهزة توسوت في العراق

بغداد : كراة خارج مقابل نادي الهندية.

بغداد : شارع المأمون مقابل مستشفى السلامة الاهلي.

مركز خدمة الزبائن : ٦٥٤٤

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