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# Light Commercial Air Conditioner CATALOGUE 2026



Duct / Cassette / Ceiling & Floor / Console / Light Commercial AC

- Slim Size 245mm
- Ceiling & Flooring
- Fresh Air
- Snow Blowing
- High ESP Up to 200 Pa
- AI Energy Saving
- WiFi App/OTA
- Airzone Solutions

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# Top 11 Manufacture AC Bases Worldwide



Zhongshan No.1 Factory



Zhongshan No.2 Factory



Guangzhou Factory



Bulk Parts Factory



Rechi Compressor Factory



Wankezi Factory



Commercial Factory



Wuhan Factory



Jiujiang Factory

## TCL AC

Since 1999

20+ million sets  
Annual sell (2025)

5  
R&D center

15,000+  
Employees

Sell to 160+  
Nations & Regions

**OUR VISION:** To become a global leader in green energy and healthy air management solutions.

**OUR MISSION:** Make it easier for you to enjoy healthy and green life brought by air.



## Commercial AC

### Smart Production Technology



Facility Size  
50 acres

Annual Output Value:  
¥5.8 billion

Digital Production  
Lines: 9

Capacity  
3,000,000 Sets per year

### Strong R&D Capabilities



R&D Personnel:  
300+

Proprietary Intellectual  
Property: 691 patents

Advanced  
Labs: 25

Annual R&D Investment:  
Over 400+ million yuan for 3 years

# Air Conditioner Features



## Full DC Inverter

Adopt DC inverter compressor and motor to ensure better energy saving and reliability of air conditioning system.

**Inverter Technology**

- 30% improvement in unit efficiency
- Full load output within 90s, fast cooling and heating
- Precise temperature control,  $\pm 1^{\circ}\text{C}$  comfortable temperature difference

**Inner groove tube**  
Copper tube with internal threads to increase heat transfer area and improve heat transfer efficiency

**Full DC inverter intelligent control**

**Famous 4-way valve brand**

**DC Inverter Compressor**  
High Efficiency compressor brings strong cooling and heating performance

**DC motor**  
Adjustable DC motor brings high efficiency and reverse blowing technology removes dust and snow.

**Bionic Fan**  
Efficient bionic fan blades

**Low wind resistance grille**

\*Partial models adopt on/off compressor and AC motor, please be subject to the brochure.

## High Efficiency

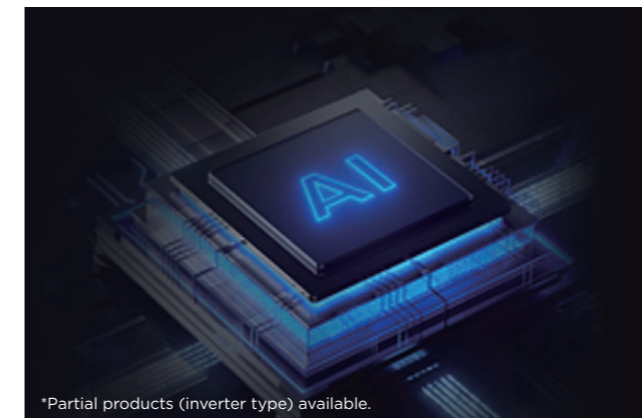
Use high energy efficiency compressor, the Europe product meets ERP standard, SEER of the unit can reach A++ efficient level, and SCOP can reach A+ efficient level.



\*Partial products may differ, please be subject to the brochure.

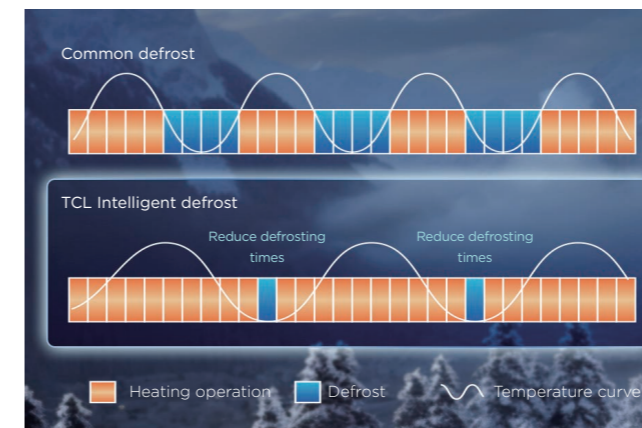
## Energy Saving AI Algorithms Operation

The full DC inverter intelligent air-conditioning system can adjust the compressor speed according to AI algorithms.



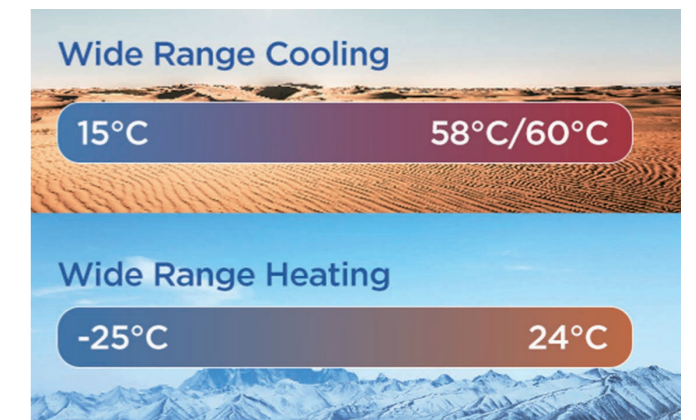
## Smart Defrosting

High precision temperature sensor, accurately determining defrosting time, effectively ensuring the heating needs of users, stable operation of the unit, and no need to wait for warmth in cold winters.



## Ambient Temperature Range

Cooling and heating steadily from  $-25$  to  $58^{\circ}\text{C}/60^{\circ}\text{C}$ . Meet various of working conditions and scenarios.



\*58°C for EU, 60°C for middle east. \*for 24K and above. \*Partial products may differ, please be subject to the brochure.

## Outdoor Unit Self-cleaning

Outdoor unit fan will blow in opposite to avoid snow or duct accumulated on fins.

\*Partial products may differ, please be subject to the brochure.



# D1 series High Static Pressure Duct Units

## Health

### Fresh Air

Take in outdoor fresh air, ensure that the indoor air is fresh and circulated.



\*Partial products may differ, please be subject to the brochure.

### Evaporator Self-cleaning

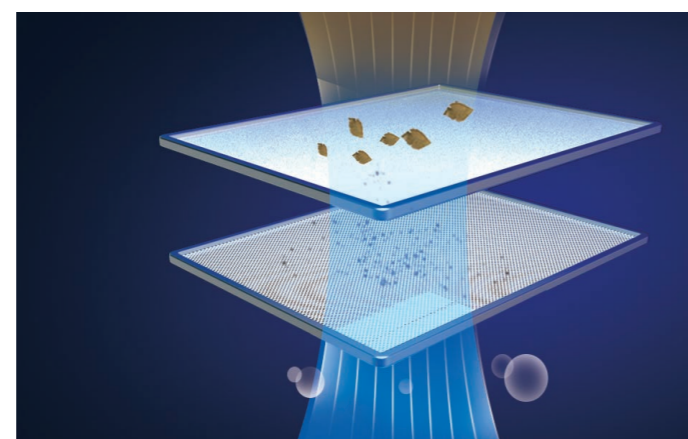
This function removes dust without noise or dust up, ensuring clean air supply.



\*Partial products available, please be subject to the brochure and manual.

### Health Filter (optional)

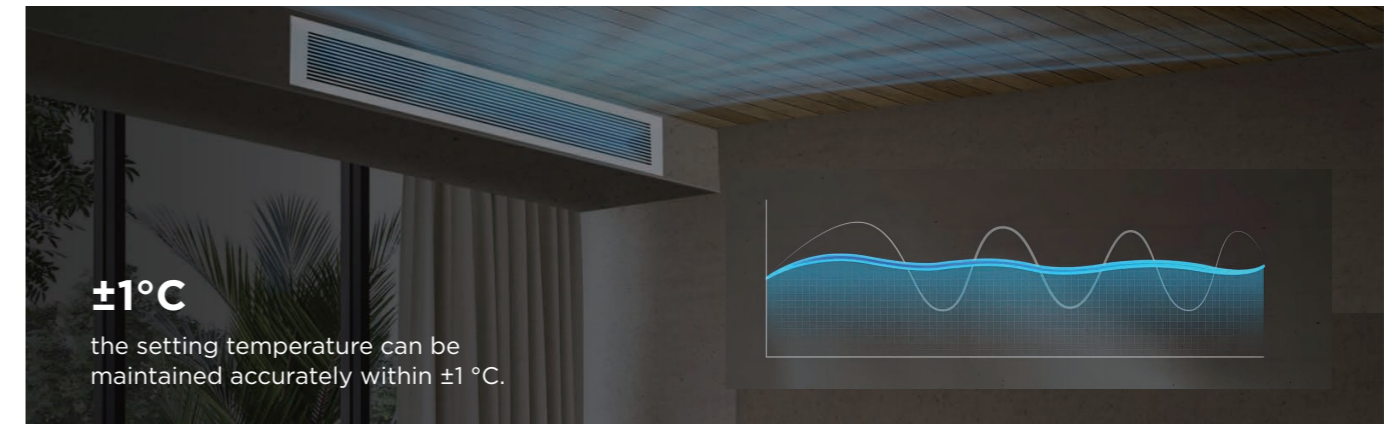
The filter panel full of silver ions and activated carbon will help you filter out most harmful bacteria and ensure the health of indoor air.



## Comfortable

### Precise Temperature Control

Due to the full DC inverter design and high-precision electronic expansion valve.



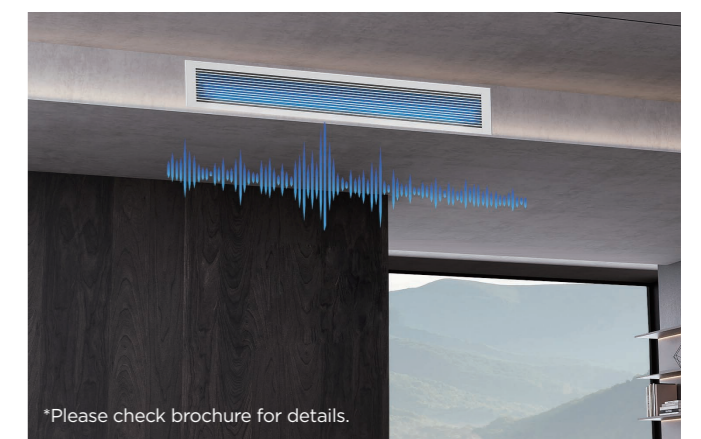
### Seven Gear Wind Speed

Delicate fan speed adjustment. To satisfy wind-sensitive users' requirement, more comfortable.



### Low Noise

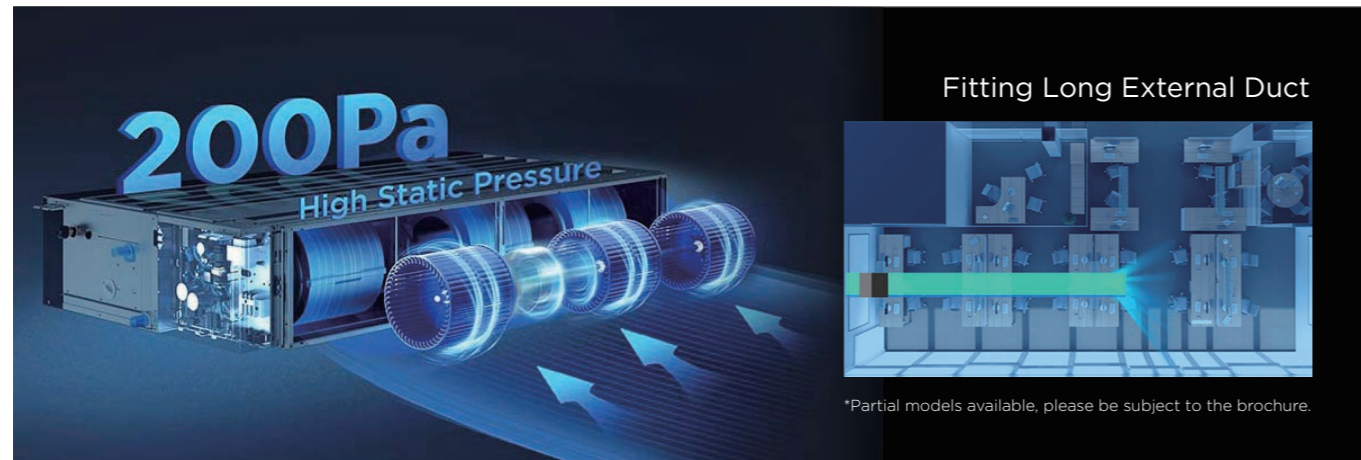
High efficiency DC fan motor and optimized air duct design realizes quiet operation.



## Flexible installation

### High ESP

ESP up to 200Pa\* supports longer air duct and fits with more installation scenario.



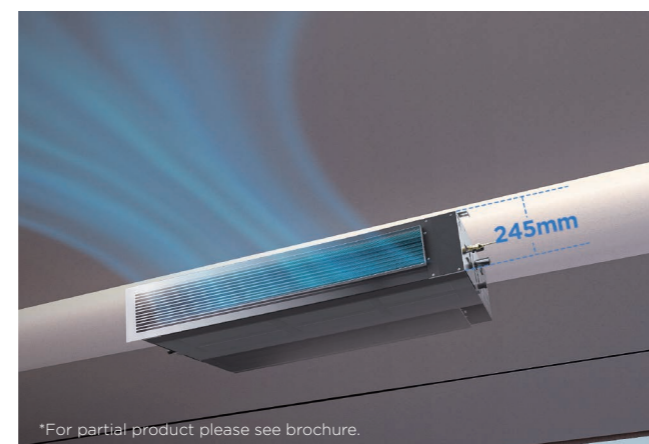
### Constant Air Volume

Fan motor automatically adjusts speed according to wind resistance. To provide stable air volume to rooms.



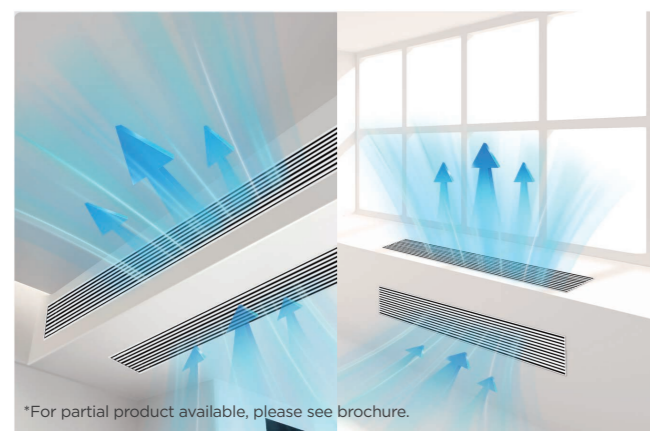
### Slim Body 245mm

Duct are new designed body of 245mm thickness which is convenient for concealed installation.



### Ceiling & Floor Installation

Support both ceiling concealed and floor concealed installation.



\*For partial product available, please see brochure.

### Twin / Tripple System

Connect 2 or 3 IDU, all indoor units ON/OFF at the same time. (Two indoor units must be identical.)

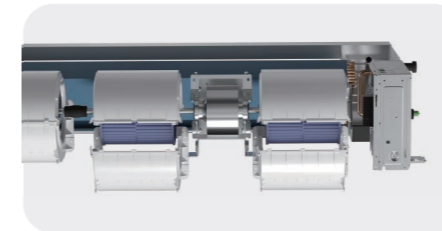


\*For partial product available, please see brochure.

## Easy Maintenance

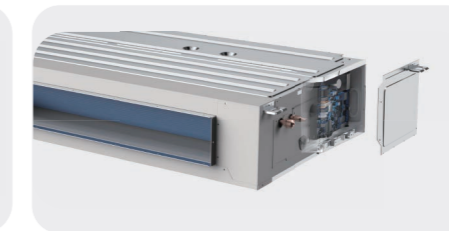
### Disassemble Motor Easily

Integrated motor assemble design allows operators to maintain the motor from the bottom more easily where is big space.



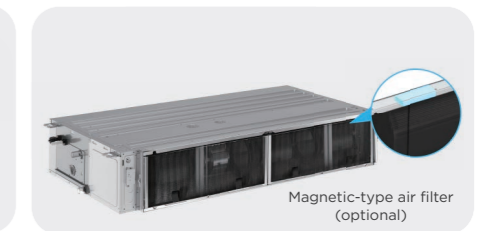
### Easy-to-disassemble Electric Control Board

The control board panel is easy to disassemble with only 2 screws.



### Replace Filter Easily

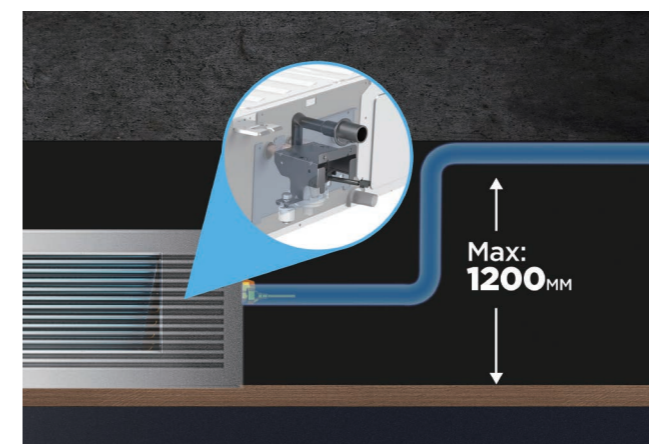
Filter is pulled out from side, magnetic filter is optional which is easy for replacing and cleaning.



\*Partial product available, please see brochure.

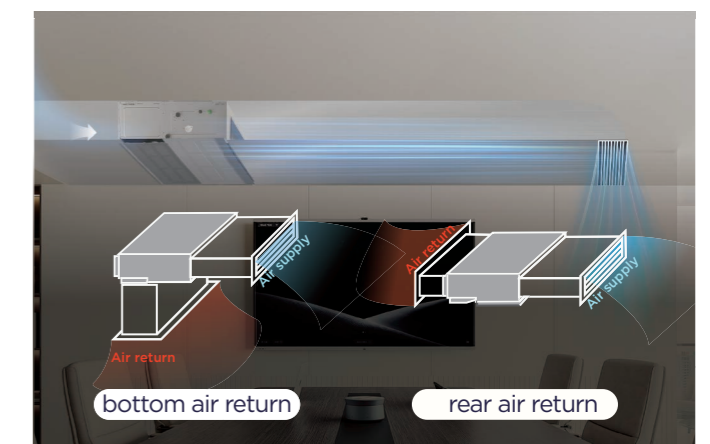
### High Efficiency Water Pump (optional)

The integral water pump is in one pieces and easy for maintenance, with 1200mm high lift.



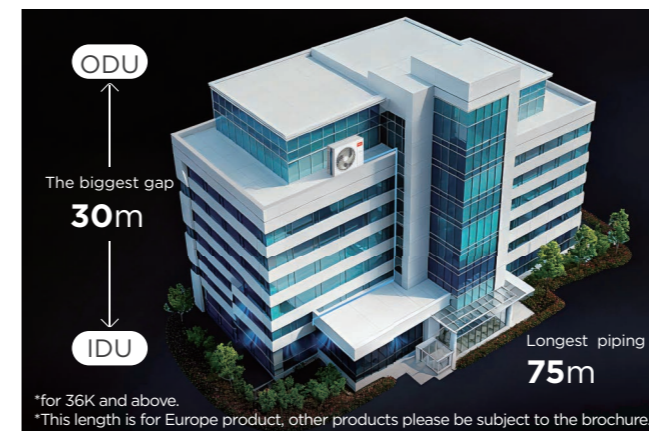
### 2 Air Return For Option

There are two air return modes to be chosen for engineering installation: bottom air return and rear air return.



### Long Piping Length

Pipe length reach 75m from ODU to IDU. Height difference reach 30m.



\*for 36K and above. \*This length is for Europe product, other products please be subject to the brochure.

### Refrigerant Recovery

When piping leaks or system in malfunction, refrigerant could be recovered and stored in ODU condenser.



# 360° Air Outlet Cassette



## Comfortable

### Low Noise Design

TCL products through the reasonable air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise.



## Comfortable

### Soft Wind Panel (optional)



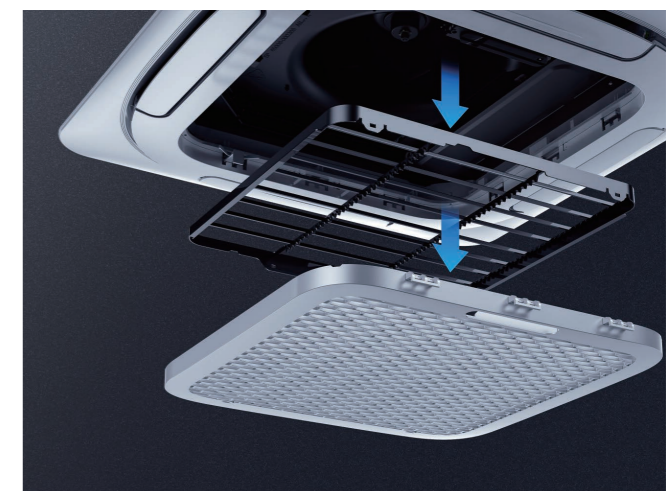
## Fresh Air

Take in outdoor fresh air, ensure that the indoor air is fresh and circulated.



## Easy To Clean Filter

The filter is very easy to disassemble and clean, keeping the air healthy all the time.



## Wide Range Of Swing Angle



Arc louver swing angle, range from 0-85°, send soft air to any corner of the room easily.

When cooling, let cool air drop from the sky.

When heating, let warm air rise from the ground.

## 1200mm Water Pump Lift

The Cassette has a built-in water pump, the maximum lift can reach 1200mm, which is conducive to the installation of drain pipes.



## Water-Full Protection

If too much condensate water accumulates in the indoor unit, or water pump fails it will alert, to prevent water overflow.



# Ceiling / Floor



## Flexible Installation

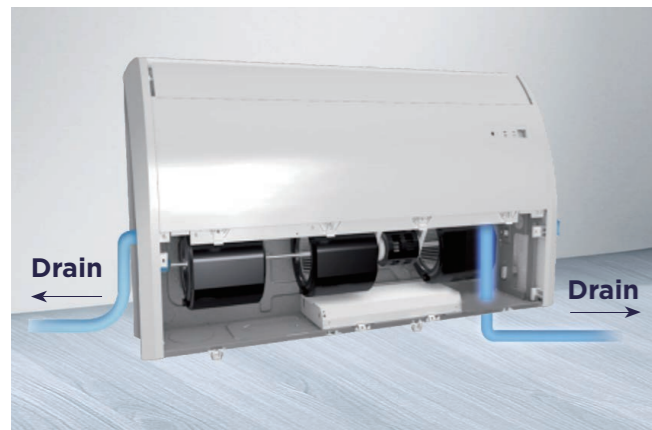
### Ceiling or floor installation

Two types of installation, either ceiling suspended or floor standing.



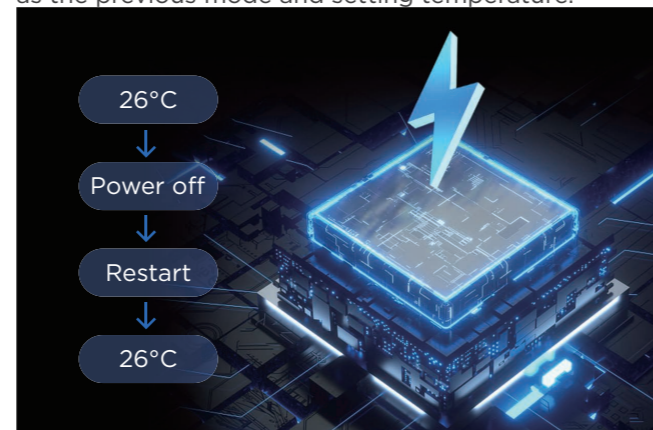
## 2 Direction Drainage

Condensing water can be drained their from left or from right.



## Power Off Memory

During the operation of the air conditioner, if the power is cut off then come again, the device will work as the previous mode and setting temperature.



## Comfortable

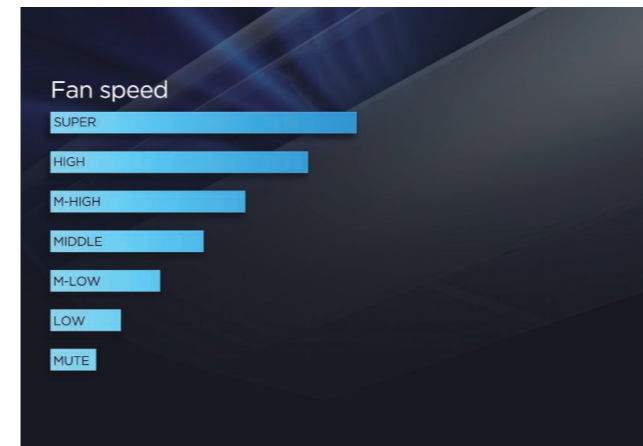
### 3D Air Flow

104° wide range of air flow  
With unique swing design, the wind direction can be adjusted at will, to achieve 3D air supply.



### Seven Gear Wind Speed

Delicate fan speed adjustment. To satisfy wind-sensitive users' requirement, more comfortable.



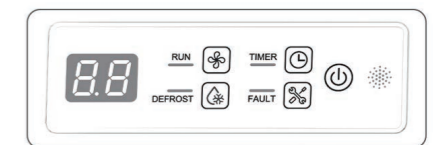
### Rapid Start

When start the unit it will run highest compressor frequency to realize rapid cooling or heating.



## LED Display

Fashionable design with clear LED display of temperature and error codes.



## Multiple Protection, Stable And Reliable

The unit is equipped with multiple protections such as "pressure protection", "temperature protection", "current protection", etc., to ensure the reliable operation.



Pressure protection



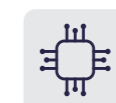
Temperature protection



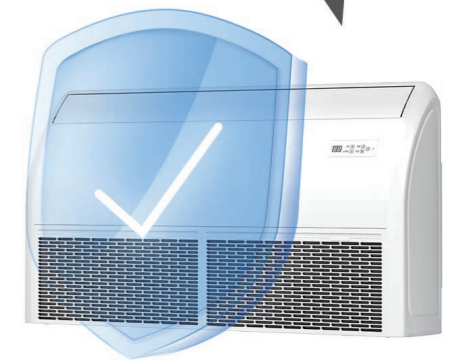
Current protection



Communication fault protection



Drive board Protection





## Console



30s rapid cooling



30s rapid heating



650m<sup>3</sup>/h



## Floor Standing

### Quick Cooling and Heating

30s rapid cooling and heating, 650m<sup>3</sup>/h air volume, comfortable without waiting, enjoy smooth heating and cooling.

### Lower Noise Level

Adopting multiple noise reduction technologies, the equipment operates quietly, and the quiet wind does not disturb a good night's sleep.



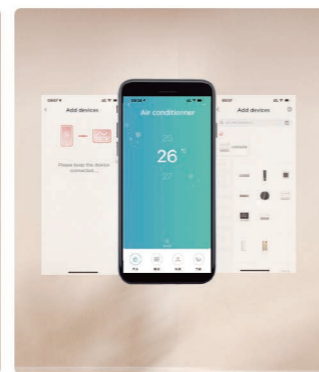
- Silent Fan Effective control of vortex-induced noise
- Thickened soundproof cotton Effective noise reduction for compressor operation
- DC Inverter Compressor Reduces noise from friction of parts

### Various Control Modes

The standard remote control supports 7 airflow gears, convenient control; optional WIFI function, smart home APP remote control.



Remote Controller (standard)



Smart Home APP (optional)

### Cooling And Heating Comfort

When heating in winter, hot air is supplied from the lower side vents, making it more comfortable from the bottom up.



When cooling in summer, the cold air is supplied from the upper side outlet to avoid direct blowing of cold air.



### Inverter Super Power Saving, One Touch AI Energy Saving

#### Full DC inverter technology

The second generation of full DC inverter technology with hardcore accessories, to achieve the unit power surge, energy saving, comfort and quiet "three in one".

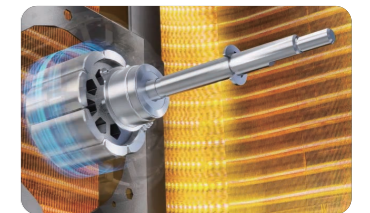
#### DC Inverter Compressor

Automatic frequency adjustment according to the load change, adjusting the cooling capacity.



#### DC Inverter Fan Motor

Adoption of new technology and materials to reduce loss, stepless speed regulation.



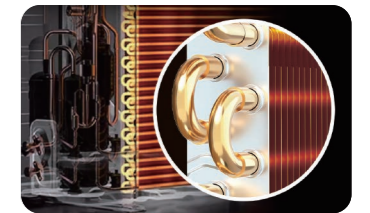
#### Self-developed VFD

The new generation 180 degree sinusoidal wave drive technology.



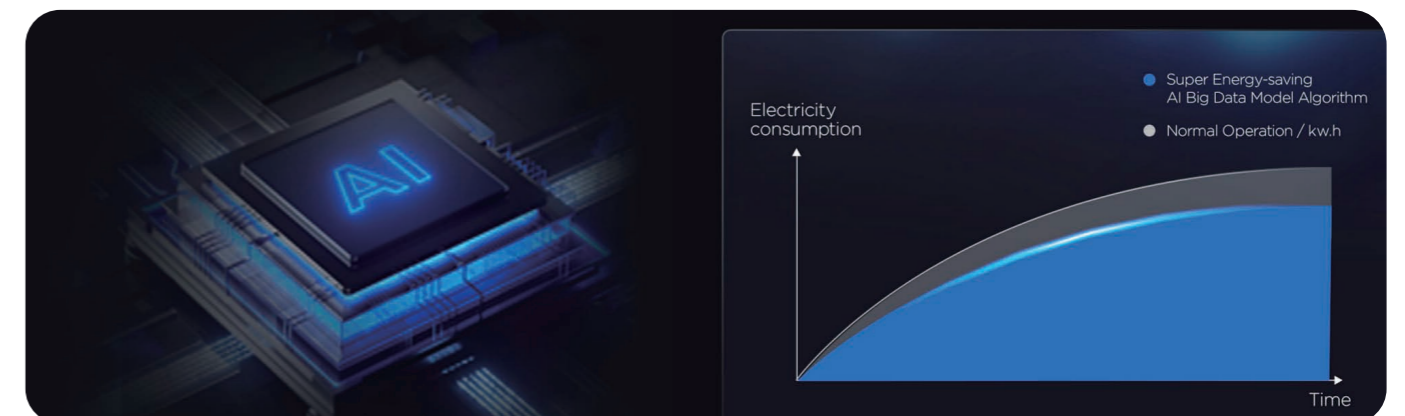
#### High efficiency heat exchanger

Improved thermal conductivity, hydrophilicity and corrosion resistance of the condenser, resulting in a powerful and efficient system.



#### AI Energy Saving(20% Lower Costs)

By integrating AI energy-saving algorithms, AI adaptive active energy saving, through an energy-saving algorithm with precision down to 0.1Hz for dynamic precise control, it achieves low-power operation and energy-saving operation. On the basis of full DC inverter technology, it realizes another 20% energy saving.



## Large Air Volume

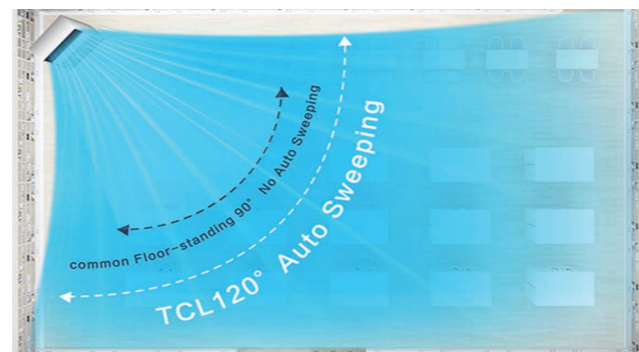
4700m<sup>3</sup>/h large air volume, 18 meter long air supply

The powerful and efficient compressor, equipped with the intelligent controller and high-precision algorithm, can output 4700m<sup>3</sup>/h large air volume. At the same time, it adopts a new appearance design to increase the air outlet area, which can quickly respond to the temperature rise and fall to meet the demand of large space.



## 120° ultra-wide angle air supply, sweeping the whole house

Standard 120° left and right electric air swing for wide coverage, ideal for large spaces. Multiple air sweeping modes and fixed angles available, with up - down and left - right options to suit diverse needs.



## Low noise operation, enjoy the coolness

The unique air supply duct design makes the heat dissipation of the heat exchanger more uniform and thorough. It can not only improve the heat exchange efficiency but also reduce the noise of the unit.



## Flexible Installation & Intelligent Management

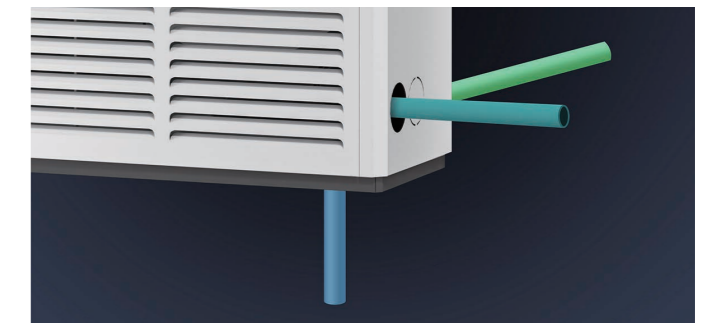
### Long piping, high drop

Extra-long refrigerant piping design to meet the needs of different environment installation, easy to choose the best installation location.



### 3 directions optional pipe outlet

Piping options from three directions rear, right, and bottom - for flexible connection. Adaptable to various installation environments.



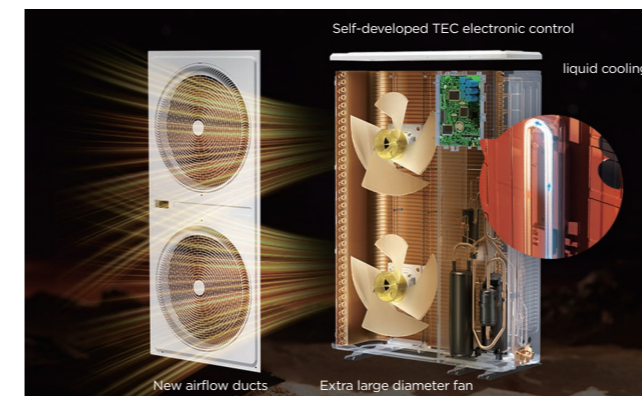
## Stable and Durable, Healthy and Comfortable

### TEC Electrical Control Box

**High Integration:** Integrated driver and controller design for faster response and enhanced anti-interference.

**Refrigerant Cooling Technology:** Ensures stable operation even at 60°C outdoor temperatures.

**Optimized Air Duct:** Large-diameter fan and focused airflow for efficient heat exhaust and superior cooling.



### Full shield IDU E-box for enhanced durability

**Triple Protection:** Moisture, water, and dust-proof for higher safety and longevity.

**Separate Design:** Isolated from the evaporator to prevent water damage during cleaning.



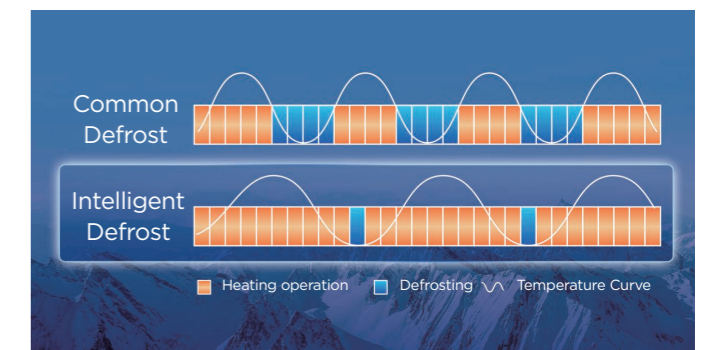
### Intelligent Defrosting Technology | Operation at -20°C

**Wide Operating Range:** Large pressure ratio control extends heating operation to ultra-low temperatures.

**Soft-Start Function:** Stable compressor activation under extreme cold.

**Precise Defrost Control:** Uses power, current, temperature, time, and pressure data to determine optimal defrost timing.

**Defrost Without Stopping:** Enhanced heating performance, no frost accumulation, more efficient and reliable.

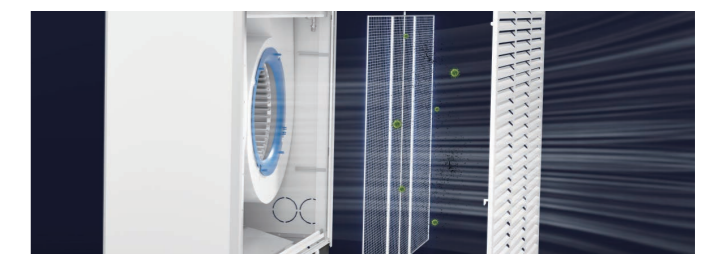


### Integrated Filter for Easy Cleaning

**Efficient Filtration:** Captures airborne dust particles effectively.

**Quick-Release Design:** Features pull-out lugs for effortless disassembly.

**Reusable:** Washable design reduces maintenance time and cost.



# Intelligent Control



## IOC Platform

Empowering commercial buildings & industrial parks, building an integrated control + energy supervision + split billing

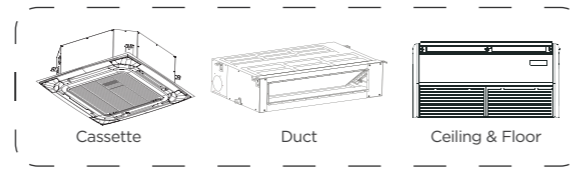
### 01.Product Overview



Management Layer  
(Software platform)



Control Layer  
(Smart gateway)



Device Layer  
(Air conditioning equipment)

### 02.Key Features

**Comprehensive Centralized Control**

Remote Monitoring VRF/ LCAC / Modular, Batch On/Off, group management.



**Smart Schedule Management**

Timed automatic operation, ordinary / priority schedule settings.



**Individual Billing System**

VRF professional billing, tenant full lifecycle management, periodic billing



\*Billing only available for VRF system

**Data O&M& Fault Analysis**

Real-time energy data collection, automatic curve generation, fault alarm statistics



### 03.Flexible Deployment Modes



Cloud-based



Local-based

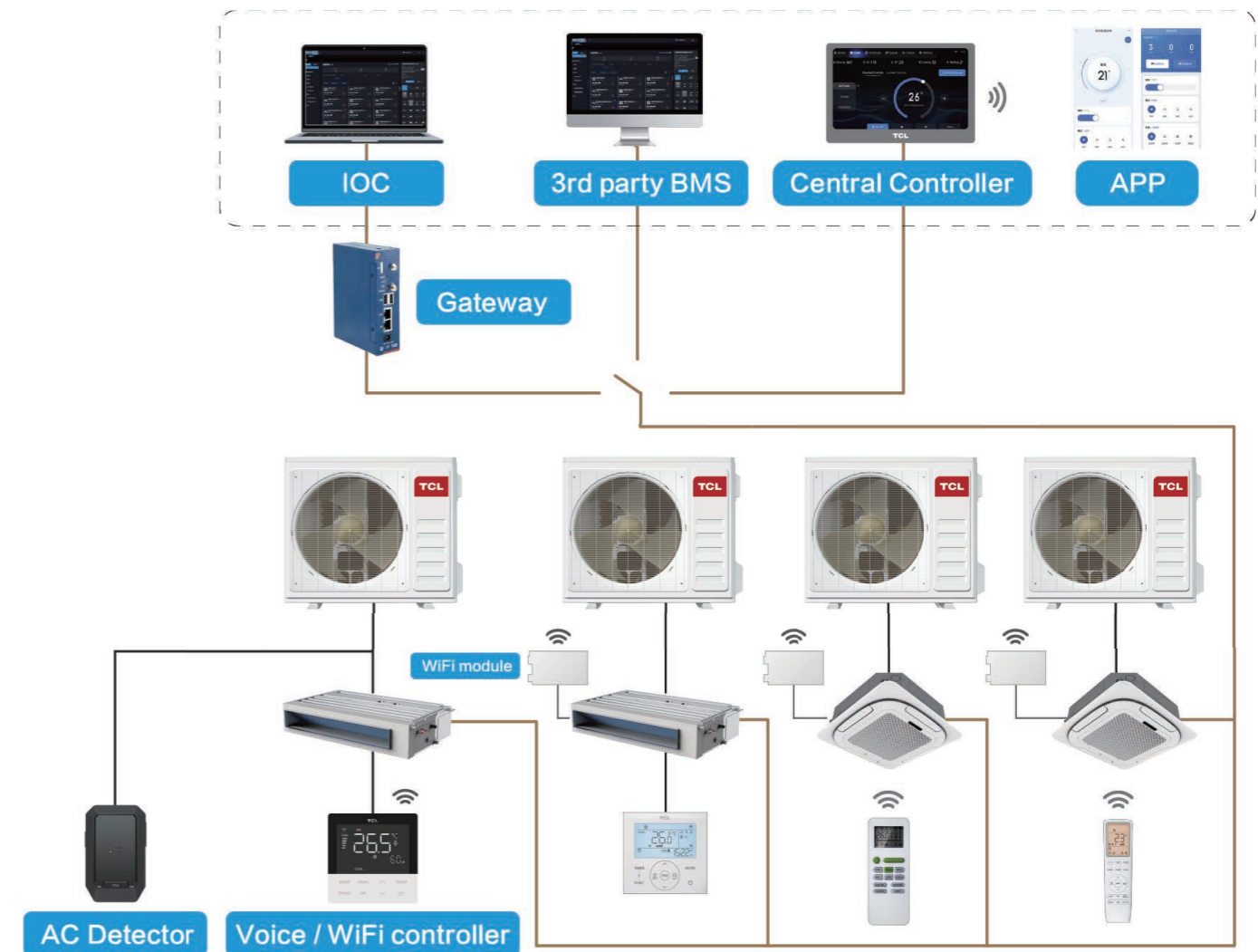
### 04.Powerful Access Capacity (Single Gateway)



VRF: 1024 Indoor Units  
LCAC: 255 Units  
Modular: 247 Sets

## Multiple Control Modes

Various controllers meet different users' demand. Including wired controller, remote controller, APP control, central control and BMS control.



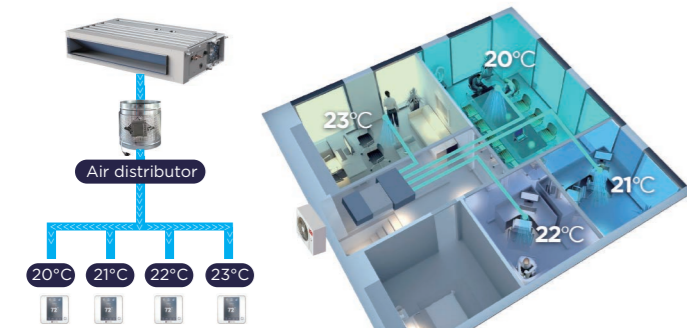
<b>Central Controller</b>	Basic routine control, group management, schedule management, abnormal operation monitoring, energy-saving strategy formulation, and fault tracing.
<b>IOC</b>	The powerful IOC (Integrated Operation Center) integrated control on LCAC, VRF and chillers, cloud visiting, user permissions allocate, allowing AC managers to control anytime, anywhere (with internet).
<b>3rd BMS Control</b>	The Modbus port on the PCB, allows up to 255 AC units connecting with the 3rd party BMS (Building Management System).
<b>Wifi Module/ WiFi Controller</b>	These optional WiFi accessories allow smart-phone control via TCL APP or TUYA APP.
<b>Voice Controller</b>	Off-line speech recognition technology allows user control units by just speaking (Only English now, partial models available)
<b>AC Detector</b>	This intelligent detector is used for aftersales service, with portable size a Service Assist APP, to inquire parameters quickly and troubleshooting.

## WiFi Control & OTA (optional)

- Remotely turn on/off and set schedule or timer.
- Monitor running data and operation history.
- The air-conditioner upgrades on the air via WiFi and APP.

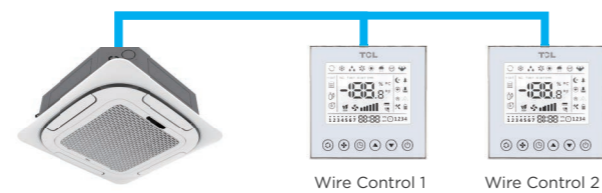
## Air-Zone Solutions

Compatible with the 3rd party zoning controller, realize independently adjustment for each room.



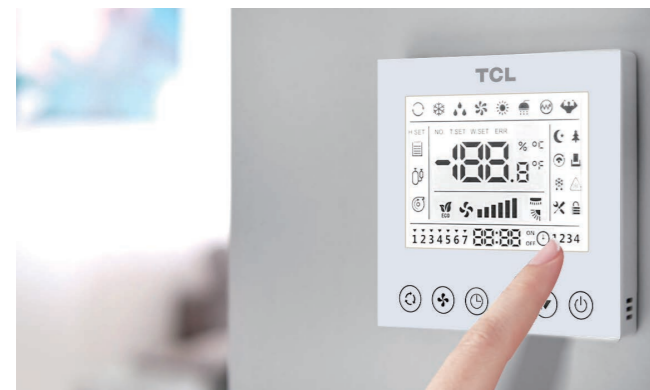
## Double Wired Controller

The same air conditioner can be controlled by two wire controllers by setting the primary and secondary wire controllers, you can adjust the most comfortable temperature for your child without going to the child's room.



## ESP Adjust On Wired Controller

ESP can be set on wired controllers instead of setting on PCB. Convenient for installation.



## Dry Contact (optional)

Reserved port on board to wiring with room card/fire alarm/window signal.



# Optional Accessories

## Wired Control



\*Some models may not be compatible with the all wired controller. Please consult a technician if you require this feature.

## Central Controller



## Remote Controller



52E 66E 85T

## WiFi Control (Optional)



APP

## Condenser



Blue Fin Golden Fin(optional)

## Panels

(Cassette optional)



Standard grille



Gentle wind panel

## Water Pump

(Duct optional)



## Detector

(Optional) (for after-sales service)



## R32 Inverter Heat-pump Specification (General)

### Duct Units



High ESP up to 200 Pa



Constant air volume



Flexible installation



Ultra-thin design



WiFi control



Indoor Model			18k	24k	36k	48k	60k
IDU Power Supply		V- ; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	18000	24000	36000	48000	55000
		W	5300	7030	10550	14070	16120
	Heating	Btu/h	19100	25590	40000	52000	60050
		W	5600	7500	11720	15240	17600
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	700	1300	1800	2100	2100
	Indoor Sound Pressure (Standard)	dB(A)	44	43	49	51	51

## R32 Inverter Heat-pump Specification (General)

### 360° Air Outlet Cassette



360° Round Air Outlet



Wide range of swing angle



Built-in water pump



WiFi control



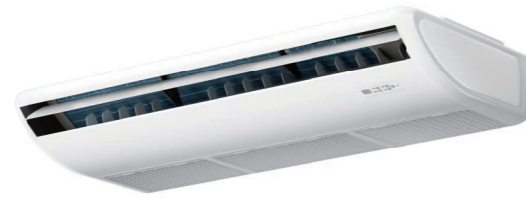
Inverter technology



Indoor Model			18k	24k	36k	48k	60k
IDU Power Supply		V- ; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	18000	24000	36000	48000	55000
		W	5300	7030	10550	14070	16120
	Heating	Btu/h	19100	25590	40000	52000	60050
		W	5600	7500	11720	15240	17600
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	700	1300	1800	2100	2100
	Indoor Sound Pressure (Standard)	dB(A)	44	43	49	51	51

## R32 Inverter Heat-pump Specification (General)

### Floor & Ceiling Type



Indoor Model			18k	24k	36k	48k	60k
IDU Power Supply		V- ; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	18000	24000	36000	48000	55000
		W	5280	7030	10550	14070	16120
	Heating	Btu/h	19100	25590	40000	52000	60050
		W	5600	7500	11720	15240	17600
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	1000	1100	1800	2200	2200
	Indoor Sound Pressure (Standard)	dB(A)	43	47	51	52	52

## R32 Inverter Heat-pump Specification (General)

### Outdoor Unit



Items		Unit	18k	24k	36k	48k	60k
Model							
Power Supply(Outdoor)		V-; Ph; Hz	220-240V-; 50Hz			380-415V; 3N-; 50Hz	
Max. Power Input		W	2400	2850	4400	6800	7000
Max. Current		A	11	13	20	11	12
Air Flow Volume (ODU)		m <sup>3</sup> /h	2500	2650	3500	4700	5600
Sound Pressure Level (ODU)		dB(A)	52	55	58	58	58
Refrigerant Type		/	R32	R32	R32	R32	R32
Refrigerant Pipe	Max. Length	m	30	50	60	75	75
	Max. Height	m	20	25	30	30	30
Ambient Temperature Range (Cooling)		°C	Cooling: -30 - 50 / Heating: -15 - 24				
Outdoor Unit Protection		/	IPX4	IPX4	IPX4	IPX4	IPX4

## R32 Inverter Cooling-only Specification (SEA)

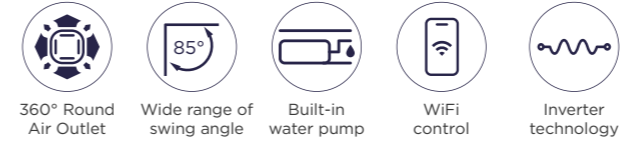
### Duct Units



Indoor Model			18k	24k	36k	48k	60k
IDU Power Supply		V- ; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	18000	24000	36000	48000	55000
		W	5300	7030	10550	14070	16120
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	900	1350	1800	2100	2100
	Indoor Sound Pressure (Standard)	dB(A)	37	42	46	46	46
	External Static Pressure (Rated)	Pa	25	25	37	50	50
	External Static Pressure (Range)	Pa	0-160	0-160	0-160	0-200	0-200

## R32 Inverter Cooling-only Specification (SEA)

### 360° Air Outlet Cassette



Indoor Model			18k	24k	36k	48k	60k
IDU Power Supply		V- ; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	18000	24000	36000	48000	55000
		W	5300	7030	10550	14070	16120
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	700	1300	1800	2100	2100
	Indoor Sound Pressure (Standard)	dB(A)	44	43	49	51	51

# R32 Inverter Cooling-only Specification (SEA)

## Ceiling & Floor Unit



Indoor Model			18k	24k	36k	48k	60k
IDU Power Supply		V- ; Ph; Hz	220-240V-; 50/60Hz				
Capacity	Cooling	Btu/h	18000	24000	36000	48000	55000
		W	5280	7030	10550	14070	16120
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	1000	1100	1800	2200	2200
	Indoor Sound Pressure (Standard)	dB(A)	43	47	51	52	52

# R32 Inverter Cooling-only Specification (SEA)

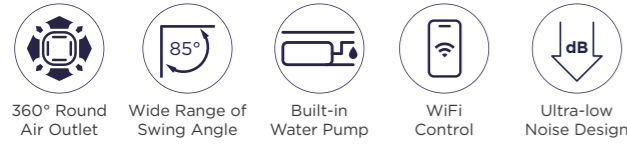
## Outdoor Unit



Items	Unit	18k	24k	36k	48k	60k	
Model							
Power Supply(Outdoor)	V-; Ph; Hz	220-240V-; 50/60Hz					
Max. Power Input	W	2400	2850	4400	7400	7600	
Max. Current	A	11	13	20	12	12.5	
Air Flow Volume (ODU)	m <sup>3</sup> /h	2500	2650	3500	4700	5600	
Sound Pressure Level (ODU)	dB(A)	52	53	56	58	58	
Refrigerant Type	/	R32	R32	R32	R32	R32	
Refrigerant Pipe	Max. Length	m	30	50	50	75	75
	Max. Height	m	15	25	30	30	30
Ambient Temperature Range (Cooling)		°C	18-52	18-52	18-52	18-52	18-52
Outdoor unit protection	/	IPX4	IPX4	IPX4	IPX4	IPX4	

## R32 On/Off Cooling-only Specification (General)

### 360° Air Outlet Cassette



model		18k	24k	36k	48k	60k	
IDU Power Supply	V-,Hz,Ph	220-240V-; 50Hz					
Capacity	Cooling	Btu/h	18000	25000	36000	48000	52800
		W	5280	7330	10550	14070	15500
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	1000	1400	1700	2200	2200
	Indoor sound pressure (Standard)	dB(A)	40	47	48	52	52

## R32 On/Off Cooling-only Specification (General)

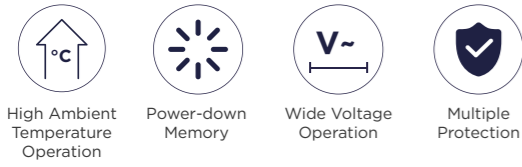
### D1 series High Static Pressure Duct Units



model		18k	24k	36k	48k	60k	
IDU Power Supply	V-,Hz,Ph	220-240V-; 50Hz					
Capacity	Cooling	Btu/h	18000	25000	37000	48000	54500
		W	5280	7330	10850	14070	16000
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	900	1400	2100	2200	2200
	Indoor sound pressure (Standard)	dB(A)	34	41	44	49	49
	External Static Pressure (Rated )	Pa	25	25	37	50	50
	External Static Pressure (Range )	Pa	0-160	0-160	0-200	0-200	0-200

## R32 On/Off Cooling-only Specification (General)

### Outdoor Unit



Model		/	18k	24k	36k-3N	48k-3N	60k-3N
Power Supply	V-,Hz,Ph		220-240V-; 50Hz		380-415V 3N-; 50Hz		
Max. Power Input	W		2900	3300	4900	6000	7500
Max. Current	A		16	18	8.5	12	15
Air Flow Volume	m <sup>3</sup> /h		2500	3800	4700	5200	5200
Noise Level	dB (A)		49	53	56	58.5	58.5
Refrigerant Type/Quantity	Type	/	R32	R32	R32	R32	R32
Refrigerant Piping	Max. Length	m	30	40	50	50	50
	Max. Height	m	15	25	30	30	30
Ambient Temperature Range (Cooling)		°C	18-46	18-46	18-46	18-46	18-46
Outdoor unit protection		/	IPX4	IPX4	IPX4	IPX4	IPX4

## R32 All DC Inverter Air Conditioner (Europe)

### D1 series High Static Pressure Duct Units

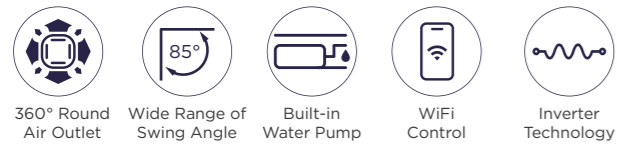


Items		Unit	12k-1ph	18k-1ph	24k-1ph	30k-1ph
Model						
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz			
Capacity	Cooling	Btu/h	12010	16050	24000	30000
		W	3520	4700	7030	8800
	Heating	Btu/h	12140	16050	27300	32000
		W	3560	4700	8000	9380
Cooling Energy Class		/	A++	A++	A++	A++
Heating Energy Class		/	A+	A+	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	600	850	1350	1500
	Indoor Sound Pressure (Standard)	dB(A)	40	42	43	45
	External Static Pressure (Rated)	Pa	25	25	25	37
	External Static Pressure (Range)	Pa	0-100	0-100	0-160	0-160

Items		Unit	36k-1ph	42k-1ph	36k-3N	48k-3N	55k-3N
Model							
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	36000	42000	36000	48000	55000
		W	10550	12100	10550	14070	16000
	Heating	Btu/h	40000	46000	40000	55000	62000
		W	11720	13500	11720	16120	18170
Cooling Energy Class		/	A++	A++	A++	A++	A++
Heating Energy Class		/	A+	A+	A+	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	1900	2100	1900	2100	2500
	Indoor Sound Pressure (Standard)	dB(A)	44	46	44	46	48
	External Static Pressure (Rated)	Pa	37	50	37	50	50
	External Static Pressure (Range)	Pa	0-200	0-200	0-200	0-200	0-200

# R32 All DC Inverter Air Conditioner (Europe)

## 360° Air Outlet Cassette

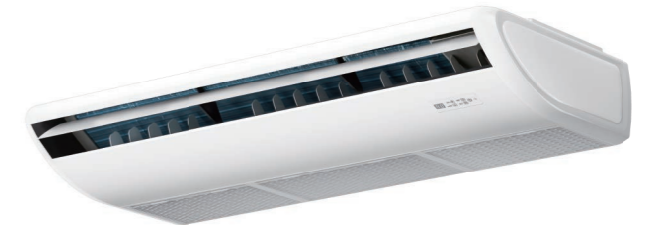


Items		Unit	12k-1ph	18k-1ph	24k-1ph	30k-1ph
Model						
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz			
Capacity	Cooling	Btu/h	12010	16050	24000	30000
		W	3520	4700	7030	8800
	Heating	Btu/h	12140	16050	26900	32000
		W	3560	4700	7900	9380
Cooling Energy Class		/	A++	A++	A++	A++
Heating Energy Class		/	A+	A+	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	650	750	1450	1600
	Indoor Sound Pressure (Standard)	dB(A)	40	43	46	47

Items		Unit	36k-1ph	42k-1ph	36k-3N	48K-3N	55K-3N
Model							
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz				
Capacity	Cooling	Btu/h	36000	42000	36000	48000	55000
		W	10550	12100	10550	14070	16000
	Heating	Btu/h	40000	46000	40000	55000	62000
		W	11720	13500	11720	16120	18170
Cooling Energy Class		/	A++	A++	A++	A++	A++
Heating Energy Class		/	A+	A+	A+	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	1900	2100	1900	2100	2200
	Indoor Sound Pressure (Standard)	dB(A)	50	51	50	51	51

# R32 All DC Inverter Air Conditioner (Europe)

## Floor & Ceiling Type

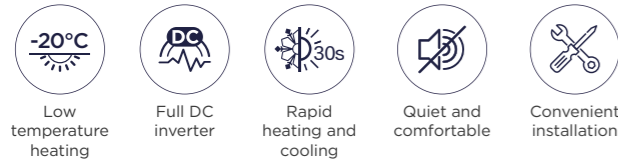


Items		Unit	24k-1ph	30k-1ph	36k-1ph	42k-1ph
Model						
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz			
Capacity	Cooling	Btu/h	24000	30000	36000	42000
		W	7030	8800	10550	12100
	Heating	Btu/h	26900	32000	40000	46000
		W	7900	9380	11720	13500
Cooling Energy Class		/	A++	A++	A++	A++
Heating Energy Class		/	A+	A+	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	1300	1600	2000	2100
	Indoor Sound Pressure (Standard)	dB(A)	51	51	51	52

Items		Unit	36k-3N	48k-3N	55k-3N
Model					
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz		
Capacity	Cooling	Btu/h	36000	48000	55000
		W	10550	14070	16000
	Heating	Btu/h	40000	55000	62000
		W	11720	16120	18170
Cooling Energy Class		/	A++	A++	A++
Heating Energy Class		/	A+	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	2000	2100	2200
	Indoor Sound Pressure (Standard)	dB(A)	51	52	52

## R32 All DC Inverter Air Conditioner (Europe)

### Console



Items		Unit	24k	30k
Model				
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz	
Capacity	Cooling	Btu/h	12010	16050
		W	3520	4700
	Heating	Btu/h	12140	16050
		W	3560	4700
Cooling Energy Class		/	A++	A++
Heating Energy Class		/	A+	A+
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	650	800
	Indoor Sound Pressure (Standard)	dB(A)	42	43

## R32 All DC Inverter Air Conditioner (Europe)

### Outdoor Unit

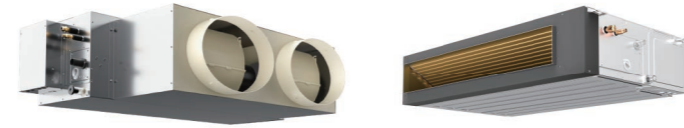


Items		Unit	12k-1ph	18k-1ph	24k-1ph	30k-1ph	36k-1ph	42K-1ph
Model								
Power Supply (Outdoor)		V-; Ph; Hz	220-240V-; 50Hz					
Max. Power Input		W	1660	2150	3300	3600	4600	5100
Max. Current		A	9.0	12.0	15.0	16.5	21.0	23.0
Air Flow Volume (ODU)		m <sup>3</sup> /h	1900	2600	3500	3500	4700	4800
Sound Pressure Level (ODU)		dB(A)	52	55	54	56	57	58
Refrigerant Type		/	R32	R32	R32	R32	R32	R32
Refrigerant Piping	Max. Length	m	25	25	35	35	75	75
	Max. Height	m	10	10	20	20	30	30
Ambient Temperature Range (Cooling/Heating)		°C	Cooling: -15 ~ 53 Heating: -20 ~ 30			Cooling: -15 ~ 58 Heating: -25 ~ 24		
Outdoor Unit Protection		/	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

Items		Unit	36k-3N	48K-3N	55K-3N
Model		/			
Power Supply (Outdoor)		V-; Ph; Hz	380-415V 3N-; 50Hz		
Max. Power Input		W	4600	7000	7000
Max. Current		A	7.5	12.0	12.0
Air Flow Volume (ODU)		m <sup>3</sup> /h	4700	5600	6000
Sound Pressure Level (ODU)		dB(A)	57	60	62
Refrigerant Type		/	R32	R32	R32
Refrigerant Piping	Max. Length	m	75	75	75
	Max. Height	m	30	30	30
Ambient Temperature Range (Cooling/Heating)		°C	Cooling: -15 ~ 58 / Heating: -25 ~ 24		
Outdoor Unit Protection		/	IPX4	IPX4	IPX4

# R32 Inverter Heat-pump (Australia)

## D1 Series High Static Pressure Duct Units



Indoor			7.1kw	8.5kw	10.0kw	12.5kw	14.0kw	16.0kw
Capacity	Cooling	Btu/h	24225	29002	35826	42650	47768	54592
		W	7100	8500	10500	12500	14000	16000
	Heating	Btu/h	25590	34120	42650	51180	56298	66534
		W	7500	10000	12500	15000	16500	19500
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	L/S	560/435/275	560/435/275	785/650/460	785/650/460	1120/950/780	1120/950/780
	Sound pressure level (Default ESP:150Pa)	dB(A)	49	49	49.5	49.5	53	53
	Sound pressure level (Rated ESP)	dB(A)	44	44	47	47	48	48
	External Static Pressure (Rated)	Pa	25	25	37	50	50	50
	External Static Pressure (Range)	Pa	0-200	0-200	0-200	0-200	0-200	0-200

# R32 Inverter Heat-pump (Australia)

## Outdoor Unit



Items		Unit	7.1kw	8.5kw	10.0kw	12.5kw	14.0kw	16.0kw
Model								
Power Supply (Outdoor)		V,Hz,Ph	220-240V~; 50Hz; 1P					
Max. Power Input	Cooling	W	4400	4400	5550	5550	6120	5900
	Heating							
Max. Current	Cooling	A	22.5	22.5	27.5	27.5	30	26.5
	Heating							
Sound Pressure Level (ODU)		dB (A)	56/57	56/57	57/58	57/58	58/59	58/59
Refrigerant Type		/	R32	R32	R32	R32	R32	R32
Refrigerant Piping	Max. Length	m	50	50	50	50	75	75
	Max. Height	m	25	25	30	30	30	30
Ambient Temperature Range (Cooling/Heating)		°C	Cooling: 16 - 50 / Heating: -15 - 24					
Outdoor Unit Protection		/	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

# R32 Inverter Heat-pump (GCC)

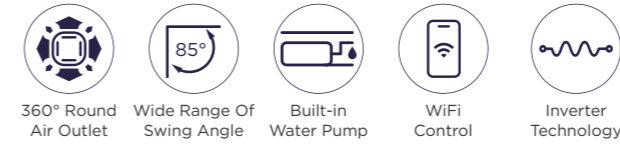
## D1 series High Static Pressure Duct Units



Indoor Model			18k	24k	30k	36k	48k	55k
IDU Power Supply		V-; Ph;Hz	220-240V-; 50/60Hz					
Capacity (Btu/h)	Cooling (T1)	Btu/h	18900	26200	30000	34600	47400	55000
Capacity (W)		W	5540	7680	8790	10140	13890	16120
Capacity (Btu/h)	Cooling (T3)	Btu/h	17200	23200	27600	32000	43200	49500
Capacity (W)		W	5040	6800	8090	9380	12660	14510
Capacity (Btu/h)	Cooling (T4)	Btu/h	14600	18400	22000	26400	37500	46900
Capacity (W)		W	4280	5390	6450	7740	10990	13750
Capacity (Btu/h)	Heating (H1)	Btu/h	19800	28000	30100	36000	51200	62800
Capacity (W)		W	5800	8200	8800	10550	15000	18400
Indoor Air Flow		m <sup>3</sup> /h	990	1350	1560	1910	2700	2950
Indoor Sound Pressure (Standard)		dB(A)	38	43	43	43	45	47
External Static Pressure (Rated)		Pa	25	25	37	37	50	50
External Static Pressure (Range)		Pa	0-160	0-160	0-160	0-200	0-200	0-200

# R32 Inverter Heat-pump (GCC)

## 360° Air Outlet Cassette



Indoor Model			18k	24k	30k	36k	48k
IDU Power Supply		V-; Ph;Hz	220-240V-; 50/60Hz				
Capacity (Btu/h)	Cooling (T1)	Btu/h	19100	25200	30000	34000	43000
Capacity (W)		W	5600	7390	8790	9960	12600
Capacity (Btu/h)	Cooling (T3)	Btu/h	17300	23000	27600	30000	36500
Capacity (W)		W	5070	6740	8090	8790	10700
Capacity (Btu/h)	Cooling (T4)	Btu/h	14800	19400	22000	24000	33000
Capacity (W)		W	4340	5690	6450	7030	9670
Capacity (Btu/h)	Heating (H1)	Btu/h	19900	27600	30000	36000	49400
Capacity (W)		W	5850	8100	8800	10550	14500
Indoor Air Flow		m <sup>3</sup> /h	1100	1500	1800	2000	2100
Indoor Sound Pressure (Standard)		dB(A)	40	45	49	50	51

## R32 Inverter Heat-pump (GCC)

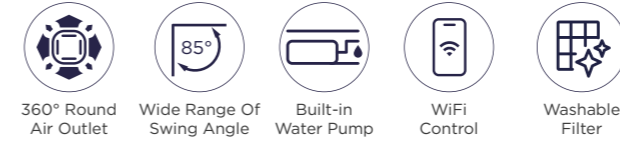
### Outdoor Unit



Items		Unit	18k	24k	30k	36k	48k	55k
Model								
Power Supply		V-; Ph; Hz	220-240V-; 50/60Hz				380-415V 3N-; 50/60Hz	
Max. Power Input	Cooling	W	3200	4700	5000	6500	7600	6500
Sound Pressure Level (ODU)		dB (A)	53	56	58	59	61	59
Refrigerant Type		/	R32	R32	R32	R32	R32	R32
Refrigerant Pipe	Max. Length	m	30	30	50	80	80	80
	Max. Height	m	15	15	30	40	40	40
Ambient Temperature Range (Cooling/Heating)		°C	Cooling: 0 - 60 / Heating: -15 - 24					
Outdoor unit protection		/	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

## R410A On/Off Cooling-only T3 (GCC)

### 360° Air Outlet Cassette



Indoor Model		/	18k	24k	30k	36k	48k
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz				
Capacity (Btu/h)	Cooling (T1)	Btu/h	18000	23600	28500	33000	44000
Capacity (W)		W	5275	6917	8353	9672	12896
Capacity (Btu/h)	Cooling (T3)	Btu/h	16400	20600	24600	28000	38300
Capacity (W)		W	4805	6037	7210	8206	11225
Capacity (Btu/h)	Cooling (T4)	Btu/h	15500	19930	24080	27750	38100
Capacity (W)		W	4542	5839	7055	8131	11163
Capacity (Btu/h)	Heating (H1)	Btu/h	/	/	/	/	/
Capacity (W)		W	/	/	/	/	/
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m <sup>3</sup> /h	990/880/690	1400/1250/1050	1780/1650/1530	1820/1690/1580	2000/1780/1680
	Indoor sound pressure (Standard)	dB(A)	40	47	49	49	51
Panel	Net Dimension (W*D*H)	mm	950×950×45	950×950×45	950×950×45	950×950×45	950×950×45
	Packing Dimension (W*D*H)	mm	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90

# R410A On/Off Cooling-only T3 (GCC)

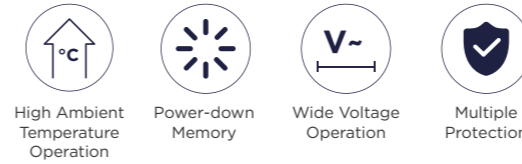
## D1 series High Static Pressure Duct Units



Indoor Model		/	18k	24k	30k	36k	48k
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz				
Capacity (Btu/h)	Cooling (T1)	Btu/h	18000	23600	28500	33000	44000
Capacity (W)		W	5275	6917	8353	9672	12896
Capacity (Btu/h)	Cooling (T3)	Btu/h	16400	20600	24600	28000	38300
Capacity (W)		W	4805	6037	7210	8206	11225
Capacity (Btu/h)	Cooling (T4)	Btu/h	15500	19930	24080	27750	38100
Capacity (W)		W	4542	5839	7055	8131	11163
Capacity (Btu/h)	Heating (H1)	Btu/h	/	/	/	/	/
Capacity (W)		W	/	/	/	/	/
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m <sup>3</sup> /h	990/880/690	1400/1250/1050	1780/1650/1530	1820/1690/1580	2000/1780/1680
	Indoor sound pressure (Standard)	dB(A)	40	47	49	49	51
Panel	Net Dimension (W*D*H)	mm	950×950×45	950×950×45	950×950×45	950×950×45	950×950×45
	Packing Dimension (W*D*H)	mm	1055×1055×90	1055×1055×90	1055×1055×90	1055×1055×90	1055×1055×90

# R410A On/Off Cooling-only T3 (GCC)

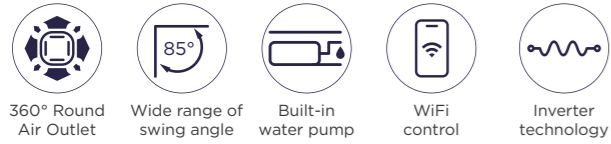
## Outdoor Unit



Model		/	18k	24k	30k	36k	48k	55k	
Power Supply		V-; Ph; Hz	220-240V; 50Hz					380-415V 3N-; 50Hz	
Max. Power Input		W	2260	2726	3450	3750	5350	6300	
Max. Current		A	11.1	13.5	19	19.8	9.8	11.5	
Air Flow Volume (ODU)		CFM	1647	2353	2353	2588	3824	4471	
		m <sup>3</sup> /h	2800	4000	4000	4400	6500	7600	
Sound Pressure Level (ODU)		dB (A)	54	54	54	58	59	59	
Sound Power Level (ODU)		dB (A)	/	/	/	/	/	/	
Refrigerant Type		/	R410A	R410A	R410A	R410A	R410A	R410A	
Piping	Max. Length	m	35	35	35	35	60	60	
	Max. Height	m	15	15	20	20	30	30	
Ambient Temperature Range (Cooling)		°C	16-55	16-55	16-55	16-55	16-55	16-55	

## R32 Inverter Cooling-only (Thai)

### 360° Air Outlet Cassette



Indoor Unit		18k	24k	30k	36k	42k	48k	55k
Power Supply		Indoor: 220-240V~/50Hz/1P Outdoor: 220-240V~/50Hz/1P			Indoor: 220-240V~/50Hz/1P Outdoor: 380-415V/50Hz/3P			
Cooling Capacity	btu/h	18000	24000	30000	36000	42000	48000	52000
	W	5275	7030	8800	10550	12300	14070	15000
Indoor Air Flow	m <sup>3</sup> /h	1400	1400	1600	1800	2100	2100	2100
Indoor Sound Pressure (Standard)	dB(A)	48	48	49	49	53	53	52

## R32 Inverter Cooling-only (Thai)

### Ceiling & Floor Unit



Indoor Unit		18k	24k	30k	36k	42k	48k	55k
Power Supply		Indoor: 220-240V~/50Hz/1P Outdoor: 220-240V~/50Hz/1P			Indoor: 220-240V~/50Hz/1P Outdoor: 380-415V/50Hz/3P			
Cooling Capacity	btu/h	18000	24000	30000	36000	42000	48000	52000
	W	5275	7030	8800	10550	12300	14070	15000
Indoor Air Flow	m <sup>3</sup> /h	1000	1000	1600	1900	1900	1900	2100
Indoor Sound Pressure (Standard)	dB(A)	52	52	53	52	54	54	55

## R32 Inverter Cooling-only (Thai)

### Outdoor Unit



Self-cleaning fins



AI ECO



Inverter



Generator Mode



Outdoor Unit		18k	24k	30k	36k-3N	42k-3N	48k-3N	55k-3N
Power Supply		Indoor: 220-240V~/50Hz/1P Outdoor: 220-240V~/50Hz/1P			Indoor: 220-240V~/50Hz/1P Outdoor: 380-415V/50Hz/3P			
Max. power Input	W	3265	3265	3600	4100	6240	6240	6980
Max.current	A	12	12	16	7	10.5	10.5	14.0
Outdoor Sound Pressure	dB(A)	55	55	58	60	60	60	62
Outdoor Air Flow	m <sup>3</sup> /h	2700	2700	3300	5000	6100	6100	6000
Refrigerant Type	/	R32	R32	R32	R32	R32	R32	R32
Max. refrigerant pipe length	m	30	30	30	50	60	60	60
Max. difference in level	m	15	15	15	25	30	30	30
Ambient temperature range	Outdoor	°C Cooling: 14 - 53						
	Indoor	°C Cooling: 17 - 32						

## R410A 10 HP Inverter Floor-standing (SEA)

### Ceiling & Floor Unit



4700m<sup>3</sup>/h  
Large Air Volume



18 Meter  
Air Supply



AI Energy Savings of  
Up to 20%



Evaporator and  
Condenser Self-Cleaning



60°C Ambient  
Temperature Cooling



Indoor Model		10HP	
IDU Power Supply		V-; Ph; Hz	220-240V-; 50Hz
Capacity	Cooling	Btu/h	96000
		W	28000
	Heating	Btu/h	98000
		W	28700
Indoor Unit	Indoor Air Flow	m <sup>3</sup> /h	4700
	Indoor Sound Pressure (Standard)	dB(A)	60

# R410A 10 HP Inverter Floor-standing (SEA)

## Outdoor Unit



Items		Unit	10HP
Model			
Type	/		heat pump
Power Supply (Outdoor)	V-; Ph; Hz		380-415V 3N-; 50Hz
Max. Power Input	W		14000
Max. Current	A		21.3
Sound Pressure Level (ODU)	dB(A)		62
Refrigerant Type	/		R410A
Refrigerant Piping	Max. Length	m	60
	Max. Height	m	30
Ambient Temperature Range (Cooling/Heating)		°C	Cooling: 0 - 60 / Heating: -20 - 24
Outdoor unit protection		/	IPX4