

TCL LIGHT COMMERCIAL

2025
CATALOG



Certificates



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
ISO/IEC 27001:2022
IECQ QC 080000:2017

TCL

GD TCL INTELLIGENT HEATING & VENTILATING EQUIPMENT CO.,LTD.
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TCL CAC TCL CAC Global TCL CAC HVAC-TCL TCL CAC

Content



01 COMPANY PROFILE

07 PRODUCT KEY FEATURES

- High Efficiency
- Inverter Technology
- High Reliability
- Better Comfort
- Health

13 INDOOR&OUTDOOR UNITS MAIN FEATURES

17 PRODUCT LINEUP

- Product Lineup Overview
- Inverter R32 50hz cooling&heating
- Inverter R410A 50hz cooling&heating
- On/off R410A 50hz cooling&heating
- On/off R410A 50hz cooling only
- On/off R410A 50hz cooling & heating low ambient model
- On/off R410A 50hz T3 cooling only
- 10/20HP High Static Pressure Duct Type
- 10HP Floor-standing Type
- 10HP one to two cassette

37 TCL SOLUTIONS

- Space Solution
- Intelligent Operation Solution
- WiFi Operation Solution
- Optional Solution

Company Profile

The Creative Life

TCL is the initials of The Creative Life, which means that creativity touches Life.



Introduction Of TCL

TCL Corporation LTD, founded in 1981, is one of the largest consumer electronics conglomerates and operates on a global scale in China. At present, TCL has formed four industrial groups including multimedia, communication, China Star Optoelectronics Technology and TCL Home Appliances, and six business segments including System Science and Technology Business Headquarters, Tikeli Group, emerging Business Group, Investment Business Group, Hanlinhui Company and real estate. Its revenue exceeded 100 billion yuan for 5 consecutive years. The group's main industries establish R&D headquarters and 26 R & D institutions where in China, the United States, France, Singapore and other countries. It has nearly 22 manufacturing and processing bases in China, Poland, Mexico, Thailand, Vietnam and other countries.

TCL Corporation is committed to becoming a high-tech industrial group. In January 2004, TCL was listed in Shenzhen Stock Exchange (SZ000100). On April 16, 2019, the restructuring was officially completed. After the restructuring, TCL owns two listed companies: Hua Xian Optoelectronics (00334.HK) and Hanlinhui (835281). TCL Owns two listed companies: TCL Electronics (01070.HK) and Tonly Electronics Holdings Limited (01249.HK).

After nearly 40 years of development, TCL has become a leader in the internationalization process of Chinese enterprises by virtue of China's reform and opening-up and adhering to the enterprise spirit of dedication and innovation.

When COVID-19 broke out In January 2020, TCL immediately rushed to Hubei, donating cash, materials and Internet services that accumulative worth over 20 million yuan, and went to Leishenshan and other designated hospitals to install electrical equipment. In July, TCL Technology announced that it would become the final transferee of 100% equity of Tianjin Zhonghuan Group. TCL also carried out strategic layout in the three industrial sectors of semiconductor display, intelligent terminal, semiconductor and new energy. In August, TCL Technology announced the acquisition of 60 percent of Suzhou Samsung LCD Technology Co., LTD and 100 percent of Suzhou Samsung Display Co., LTD.

In 2021, TCL Corporation annual revenue was exceed 39.4 billion dollar, significant increase in net profit. In the same year TCL start up 'Xuri Plan' which invest more than 3.15 billion dollar to promote ecological leadership and help industrial upgrading.

In the future, TCL will establish a perfect insight system that is close to consumers and run through the overall process of corporate activities, forming the driving force of TCL brand with product force, marketing force and experience force as the core, improving the overall brand image to the direction of "young, fashionable and international", and further strengthening innovation and consumption experience.

Introduction Of TCL CAC

GD TCL Intelligent Heating&Ventilating Equipment CO.,LTD. is a developmental company integrating R & D, manufacturing, sales and service of HVAC equipment. It has achieved the full coverage of unit type light commercial, small multi connected household central air conditioning, multi connected central air conditioning, air-cooled modular machine series, household dual supply series, air source heat pump hot air machine series, ultra-low temperature modular machine series, household air energy water heater series, commercial air energy hot water series and other products. It has 4 R & D departments and 20 laboratory groups. This year, TCL-HVAC's new base will be put into use. By then, the new and old bases will have 27 world-class production lines with an annual capacity of more than 2 million sets.

The test center of TCL-HVAC has been recognized by China National Accreditation Service for Conformity Assessment (CNAS), which lays a solid foundation for the improvement of independent R & D ability and laboratory management ability, as well as the establishment of a customer-centered, quality-oriented, product performance and product innovation improvement system.

With professional technology and service ability, and nearly 20 years of historical precipitation and market accumulation, TCL-HVAC has been fully verified in the market and gained a good reputation in the market.

TCL intelligent HVAC's future can be expected!



**30 million sets/year
at 10 global production sites**



Zhongshan factory 1



Zhongshan factory 2



TCL DeLonghi



SKD factory



Wuhan factory



Jiujiang factory



Compressor factory



Electrical factory

**Smart manufacturing
and global supply chain layout**



2022 Indonesia factory



2022 CAC



2021 Electrical factory



2022 Brazil factory



2022 Wuhan factory



New Showroom

400m² Immersive Smart Experience

- 01** Brand Display Area
- 02** Smart Experience Area
- 03** Product Showcase
- 04** Core Technology Area

Industry-leading laboratories

- 05** Enthalpy Difference Chamber
- 06** Comfort Testing Laboratory
- 07** TMV6 Commodity Inspection Room
- 08** Noise Testing Laboratory

Digitalized Factory

Pursue efficient and high-quality development of manufacturing with automatic and digital technologies.

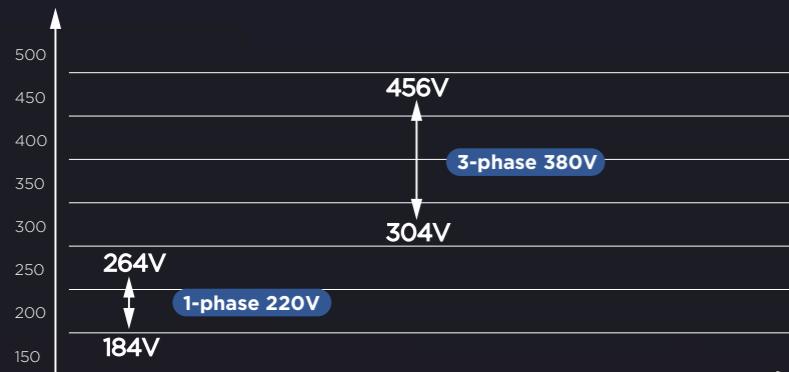
- 09** Logistic Layout
- 10** Upgraded Automation
- 11** MES System (2020Y)
- 12** Automatic Bearing Installation

- 13** Automatic Valve Assembly
- 14** Automatic Evaporator Tube Installing
- 15** Automatic Cutting & Bending
- 16** Automatic Turning Over



High Reliability

1. Compressor, motor, electric control components can withstand wider voltage operation
2. The unit has the function of frequency reduction protect to avoid overheating and overcurrent



High Reliability

TCL air conditioners use energy-efficient compressor, pressure switch and other components, which to have a more stable system and reducing maintenance rates



Voltage Protection

When the voltage of the unit is over the rated maximum voltage or below a certain value, the voltage is automatically shut off to protect the unit and the power supply.



Overcurrent Protection

When the current is over the adjustment value, the protection device will be activated and the fuse will fuse to cut off the circuit in time, so that the equipment can avoid damage caused by over-current.



Overheating Protection

When the current is over the adjustment value, the motor temperature rises, and the motor is cut off during over-current operation to avoid burning of the motor due to overload.



DC Inverter Compressor



High/Low Pressure Switch



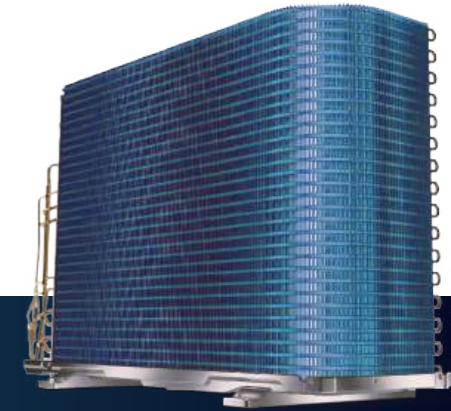
Temperature Protection

When the outdoor temperature sensor checks that the temperature is over the normal operating temperature, the unit will stop running to avoid burning of the electric control IPM due to high temperature.



Lack-phase Protection

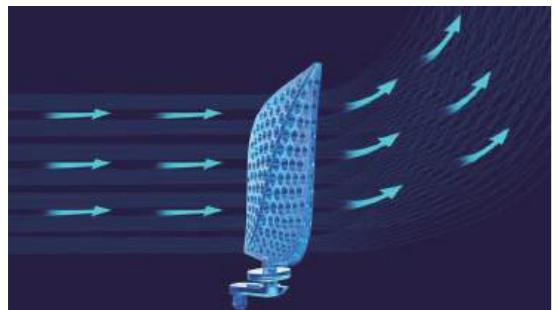
When a phase in the three-phase power supply of the unit is broken, the unit will be powered off and alarmed in an emergency, avoiding the original three-phase unit running under two-phase power supply and causing burnout.



Hydrophilic Aluminum Fin

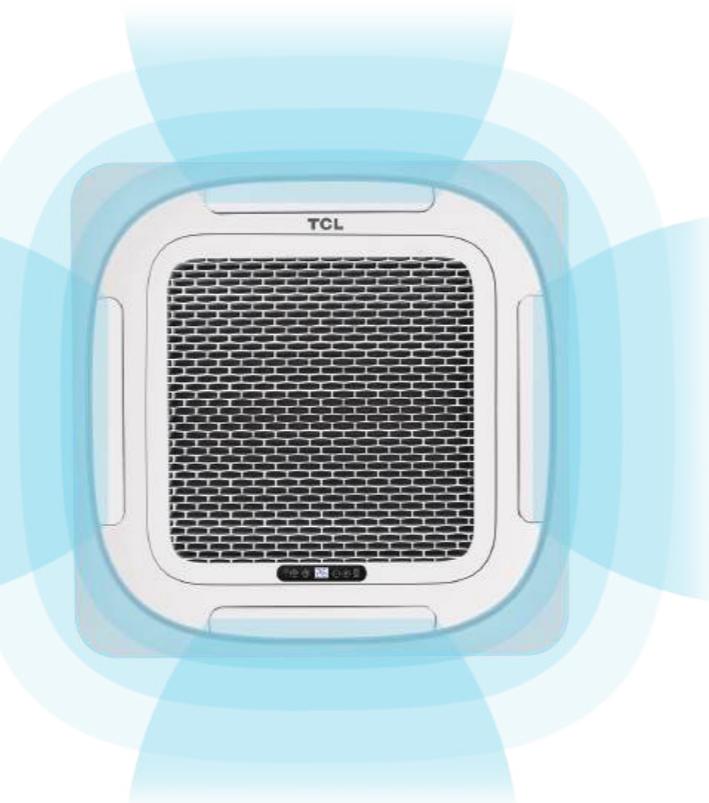
The TCL products use blue hydrophilic aluminum fin. Compared to traditional non-hydrophilic heat exchanger, hydrophilic can be increased by 68% and corrosion resistance by 3 times. The hydrophilic coating improves heat transfer efficiency while protecting the unit from unnecessary wear and corrosion

Better Comfort



Soft wind panel (optional)

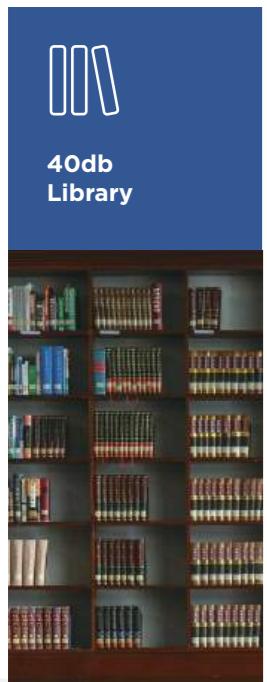
360° of outlet wind, 2565 micro-hole soft wind blades to break up the airflow, making the wind soft and comfortable to the body



Low noise design

TCL products through the reasonable air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise, which can be as low as 30dB

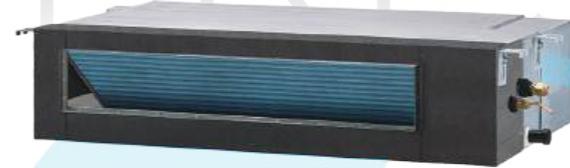
31dB



Health

Cassette / Duct reserves
fresh air interface

FRESH AIR



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



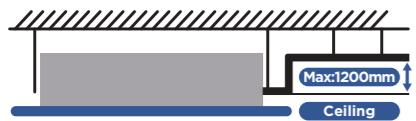
Round Flow Cassette Type

Large range of airflow, low noise operation, WiFi operation, giving you a comfortable environment



Built-in drain pump

Cassette with built-in drain pump ,can lift water up to 1200mm which is convenient for installation and improve the drainage efficiency



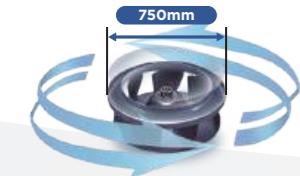
Reserved fresh air interface

Maximum intake of 15% of fresh air volume, make indoor air healthier and more comfortable



Ultra-low noise design

Adapting 750mm fan blade and 3D air outlet design, decrease the air supply resistance, achieve ultra low noise



LED digital display

Real-time operating temperature and operation faults are clearly displayed



360°surround air outlet

Annular air outlet supply without dead angle, keeps the room comfortable



WiFi operation

Connect the device with one click to turn on



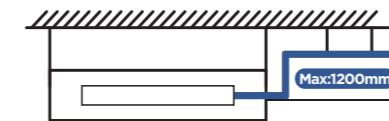
Super Slim Duct Type

Multiple air return methods, optional pumps, WiFi operation, making the project more flexible installation



Optional water pump

Optional built-in drain pump, can lift water up to 1000mm which is convenient to installation and improving drainage efficiency.



Reserved freshair interface

Maximum intake of 15% of fresh air volume, make indoor air healthier and more comfortable



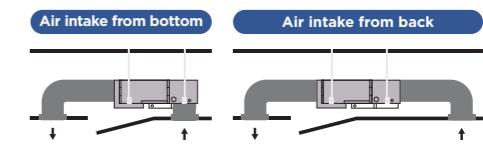
Ultra-thin design

structure is compact, and the thickness of 3HP duct unit can be as low as 210mm



Flexible air intake

Standard built air return box, easy to adjust the back air return or down air return based installation requirement



Dual drainage

It is more convenient and flexible in construction and installation



WiFi operation

Connect the device with one click to turn on



Ceiling Suspended Unit

Two types of installation, customized display panel position, double-sided drainage, can meet the needs of a variety of use situations



104° wide range of air flow

With unique swing design, the wind direction can be adjusted at will, to achieve 3D air supply, which make the room temperature distribution more uniform



Dual drainage

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



LED display

Two way display panel position option, meet differentiated appearance requirements



Flexible installation

Flexible installation method, ceiling or landing , maximum for you to save space.



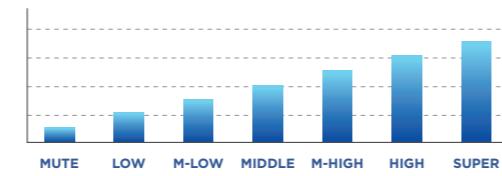
Ultra-thin design

Compact design which fits for various room styles.



Seven gear wind speed (Applicable models of DC motor)

Seven gear wind speed (Applicable models of DC motor)



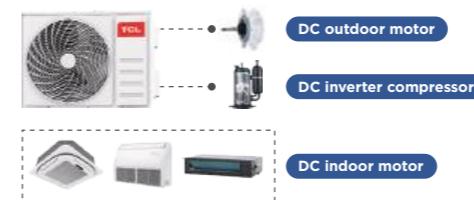
Universal ODU

Universal matching, high energy efficiency and high reliability design, can greatly increase the service life and reduce the maintenance cost of after-sale



Full DC inverter (applicable models)

It can achieve precise control and high comfort, which also save energy, cool or heat faster



Single blade design (applicable to 36K~60K models)

The outdoor unit adopts a compact design with a single fan, which greatly improves the loading capacity and makes it easy to install.



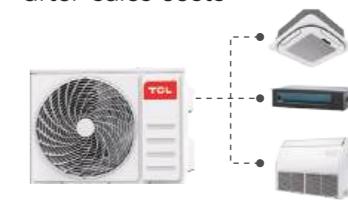
Long pipe length design

The pipe length of inverter unit can reach 60m, and the pipe length of on/off unit can reach 50m, reducing the limitation on installing location.



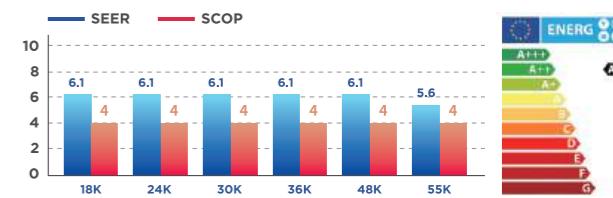
Universal design

The same ODU can match Cassette, C/F, Duct with same capacity. Reducing stock and after-sales costs



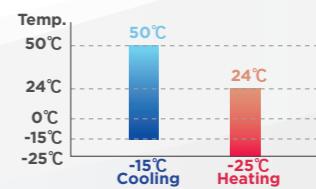
High efficiency

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



Wide-temperature operation

The outdoor unit use the chassis heating belt, so that it can still cool and heat normally at -15/-25°C, and the application scope of air conditioning system is wider



Product Lineup Overview



UNIQUE UNIVERSAL ODU



ROUND FLOW CASSETTE TYPE



CEILING SUSPENDED UNIT



SUPER SLIM DUCT TYPE



FLOOR STANDING



High ESP DUCT

| Type | Series | Form | Capacity range(×1000BTU) | | |
|----------|-------------------------------------------------|----------------|--------------------------|----|----|
| | | | 18 | 24 | 30 |
| Inverter | R32 50hz cooling & heating | Cassette | ● | ● | ● |
| | | Duct | ● | ● | ● |
| | | Ceiling&floor | ● | ● | ● |
| | R410A 50hz cooling & heating | Cassette | ● | ● | ● |
| | | Duct | ● | ● | ● |
| | | Ceiling&floor | ● | ● | ● |
| | R410A 50hz cooling & heating | Cassette | ● | ● | |
| | | Duct | ● | ● | |
| | | Ceiling&floor | ● | ● | |
| On/Off | R410A 50hz cooling only | Cassette | ● | ● | ● |
| | | Duct | ● | ● | ● |
| | | Ceiling&floor | ● | ● | ● |
| | R410A 50hz cooling & heating low ambient model | Cassette | ● | ● | |
| | | Duct | ● | ● | |
| | | Ceiling&floor | ● | ● | |
| | T3 R410A 50hz cooling only (high efficiency) | Cassette | ● | ● | ● |
| | | Duct | ● | ● | ● |
| | 10/20HP High Static Pressure Duct | Duct | | | |
| | 10HP Floor-standing | Floor-standing | | | |
| | 10HP one to two cassette | Cassette | | | |

Capacity range(× 1000BTU)

| 36 | 42 | 48 | 55 | 60 | 90 | 180 |
|----|----|----|----|----|----|-----|
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INVERTER R32 50HZ COOLING & HEATING

CASSETTE TYPE
INDOOR UNIT

CE | ErP | RoHS | REACH

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| Model | | TCD-12CHRH/DV(Q8) | TCD-18CHRH/DV(Q8) | TCC-18CHRH/DV | TCC-24CHRH/DV | TCC-30CHRH/DV | TCC-36CHRH/DV | TCC-42CHRH/DV | TCC-48CHRH/DV7 | TCC-55CHRH/DV7 | | |
|-----------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------------|------------------|--------------------|-------------------|-------------------------------------------------------|----------------------|------------------------|----------------------|-----------------|--|
| Declared cooling capacity | W | 3780 (620~4900) | 5280 (620~5500) | 5300 (620~5580) | 7030 (2200 ~ 7500) | 8800 (2230~9380) | 10550 (3080 ~ 12300) | 12100 (3520 ~ 15830) | 14070 ((4100 ~ 16710)) | 16000 | | |
| | W | 4040 (760~5500) | 5570 (760~6000) | 5800 (760~6100) | 7900 (2320 ~ 8350) | 9380 (2270~9730) | 11720 (3280 ~ 13500) | 13500 (3810 ~ 14950) | 16120 (4100 ~ 17290) | 18170 (4400 ~ 19930) | | |
| SEER / SCOP declared | W/W | 6.3/4.0 | 6.3/4.0 | 6.3/4.0 | 6.2/4.0 | 6.2/4.0 | 6.2/4.1 | 6.1/4.0 | 6.1/4.0 | 6.1/4.0 | | |
| Energy Class | | A++/A+ | A++/A+ | A++/A+ | A++/A+ | A++/A+ | A++/A+ | A++/A+ | A++/A+ | A++/A+ | | |
| Annual energy consumption | Cooling | kwh/a | 280 | 300 | 294 | 402 | 510 | 596 | 700 | 830 | 923 | |
| Average | kwh/a | 1470 | 1505 | 1505 | 2075 | 2510 | 2902 | 3210 | 3900 | 4203 | | |
| Moisture removal | Liters/h | 1.2 | 1.2 | 1.5 | 2.00 | 2.60 | 3.60 | 4.20 | 4.80 | 5.40 | | |
| Indoor sound pressure (S/H/M/L/Mute) | dB(A) | 43/40/36/34/32 | 45/43/40/36/34 | 45/42/39/36/34 | 49/46/42/39/37 | 51/47/43/40/35 | 53/50/49/47/43 | 53/50/48/46/43 | 53/51/49/46/43 | 53/51/49/46/43 | | |
| Indoor sound pressure (Standard rating conditions) | dB(A) | 40 | 43 | 42 | 46 | 47 | 50 | 50 | 51 | 51 | | |
| Outdoor sound pressure (Standard rating conditions) | dB(A) | 52 | 52 | 52 | 54 | 56 | 57 | 58 | 60 | 58 | | |
| Power supply | Indoor: 220~240V~/50Hz/1P , Outdoor: 220~240V~/50Hz/1P | | | | | | Indoor: 220~240V~/50Hz/1P, Outdoor: 380~415V~/50Hz/3P | | | | | |
| Power supply side | Outdoor | | | | | | | | | | | |
| Voltage Range | V | 176~265 | 176~265 | 176~265 | 176~265 | 176~265 | 176~265 | 176~265 | 176~265 | Indoor: 176~265 | Indoor: 304~458 | |
| Cooling Operating current | A | 6.2 (1.8 ~ 12.0) | 7.2 (1.8 ~ 12.0) | 7.5 (1.8 ~ 12.0) | 11(4 ~ 15) | 11.7(4 ~ 16.5) | 15.2 (1.3 ~ 21) | 17.4 (1.3 ~ 21) | 6.8 (2.3~10.2) | 10.2 (2.4~12.5) | | |
| Heating Operating current | A | 6.2 (1.6 ~ 11) | 7.2 (1.6 ~ 11) | 7.1 (1.6 ~ 11) | 9.2 (4.2 ~ 14) | 10.8 (4.2 ~ 15.5) | 15.6 (1.7 ~ 17) | 16.8 (1.8 ~ 17.8) | 7.2 (2~12) | 8.8 (12~12.5) | | |
| Max.current | A | 13 | 13 | 13 | 15 | 16.5 | 21 | 21 | 12.0 | 12.0 | | |
| Indoor air circulation Cooling/heating | m³/h | 650/700 | 700/750 | 1150/1220 | 1400/1500 | 1500/1650 | 1800/1900 | 2000/2000 | 2100/2100 | 2100/2300 | | |
| Outdoor air circulation | m³/h | 2650 | 2650 | 2650 | 3500 | 4000 | 5000 | 5000 | 5600 | 6000 | | |
| Refrigerant type | R32 | | | | | | | | | | | |
| Connecting Pipe | Gas | Inches | 1/2" | 1/2" | 3/8" | 1/2" | 5/8" | 5/8" | 5/8" | 5/8" | | |
| | Liquid | Inches | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" | | |
| Application area | m (| 20~35 | 20~35 | 27~45 | 35~60 | 39~71 | 50~95 | 50~95 | 55~105 | 55~105 | | |
| Max. refrigerant pipe length | m | 30 | 30 | 30 | 30 | 50 | 50 | 75 | 75 | 75 | | |
| Max. difference in level | m | 15 | 15 | 15 | 15 | 25 | 25 | 30 | 30 | 30 | | |
| Operation temperature range | °C | 16~31 | 16~31 | 16~31 | 16~31 | 16~31 | 16~31 | 16~31 | 16~31 | 16~31 | | |
| Ambient temperature range | Outdoor | °C | Cooling:-15~58/Heating:-25~24 | | | | | | | | | |
| Indoor | °C | Cooling:17~32/Heating:0~30 | | | | | | | | | | |
| Net dimensions (W x H x D) | Indoor | mm | 570x570x245 | 570x570x245 | 840x840x245 | 840x840x245 | 840x840x245 | 840x840x290 | 840x840x290 | 840x840x290 | | |
| | Outdoor | mm | 780x605x307 | 780x605x307 | 845x780x605 | 845x780x605 | 845x780x605 | 910x804x378 | 910x804x378 | 910x804x378 | | |
| Panel | mm | 650x650x57 | 650x650x57 | 950x950x45 | 950x950x45 | 950x950x45 | 950x950x45 | 950x950x45 | 950x950x45 | 950x950x45 | | |
| | Indoor | kg | 14/17.5 | 14.5/18 | 23/27 | 24/28 | 24/28 | 26/31 | 26/31 | 28/33 | | |
| Net / Gross weight | Outdoor | kg | 30/32.5 | 30/32.5 | 30/33 | 40/44 | 41/45 | 55/60 | 55/60 | 77/89 | | |
| | Panel | kg | 2.7/4.3 | 2.7/4.3 | 6/9 | 6/9 | 6/9 | 6/9 | 6/9 | 6/9 | | |
| Packing dimensions (W x H x D) | Indoor | mm | 720x660x310 | 720x720x310 | 935x935x305 | 935x935x305 | 935x935x305 | 935x935x350 | 935x935x350 | 935x935x350 | | |
| | Outdoor | mm | 890x385x648 | 890x385x648 | 890x385x648 | 960x430x755 | 1022x860x480 | 1022x860x480 | 1135x970x530 | 1135x970x530 | | |
| Panel | mm | 735x735x110 | 735x735x110 | 1055x1055x90 | 1055x1055x90 | 1055x1055x90 | 1055x1055x90 | 1055x1055x90 | 1055x1055x90 | 1055x1055x90 | | |
| Loading Capacity | 20'/40'GQ/40'HQ | 54/114/152 | 54/114/152 | 47/99/112 | 42/86/94 | 42/86/94 | 32/66/77 | 32/66/77 | 26/56/63 | 25/56/60 | | |

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc., since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

DUCT TYPE
INDOOR UNIT

CE | ErP | RoHS | REACH

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| Model | TCC-12D2HWHDV(02) | TCC-18D2HWHDV(02) | TCC-24D2HWHDV(02) | TCC-30D2HWHDV(02) | TCC-36D2HWHDV(02) | TCC-42D2HWHDV(02) | TCC-48D2HWHDV(02) | TCC-55D2HWHDV(02) |
|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Declared cooling capacity | W | 3770(600~4860) | 5300(620~5580) | 7030(2200~7500) | 8800(2230~9380) | 10550(3080~12300) | 12100(3520~13200) | 14070(3820~15530) |
| Declared heating capacity | W | 4000(700~5400) | 5800(760~6100) | 7900(2320~8350) | 9380(2700~9730) | 11720(3280~13500) | 13500(3810~14950) | 16120(4100~18170) |
| SEER / SCOP declared | W/W | 6.1/4.0 | 6.3/4.0 | 6.2/4.0 | 6.2/4.0 | 6.1/4.3 | 6.1/4.0 | 6.1/4.0 |
| Energy Class | A++/A+ |
| Annual energy consumption | Cooling | kwh/a | 284 | 294 | 402 | 530 | 605 | 643 |
| | Average | kwh/a | 1475 | 1505 | 2540 | 2625 | 3205 | 4235 |
| Moisture removal | Liters/h | 1.5 | 1.5 | 2.00 | 2.60 | 3.60 | 4. | |

INVERTER R410A 50HZ COOLING & HEATING

CASSETTE TYPE
INDOOR UNIT

CE | RoHS | REACH

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DUCT TYPE
INDOOR UNIT

CE | RoHS | REACH

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| model | TCC-18CHRA/DV (Q4)(02) | TCC-18CHRA/DV (02) | TCC-24CHRA/DV (02) | TCC-30CHRA/DV (02) | TCC-36CHRA/DV (02) | TCC-48CHRA/DV7 (02) | TCC-60CHRA/DV7 (02) |
|----------------------------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| cooling capacity | W (1820~5460) | 5270 (1820~5460) | 7030 (2500~7450) | 8800 (3100~9200) | 10550 (3680~11000) | 14060 (4900~14700) | 16120 (5600~16800) |
| heating capacity | W (2000~5985) | 5700 (2000~5980) | 7600 (2660~7980) | 9370 (3350~10000) | 11550 (4050~12100) | 15400 (5400~16100) | 17000 (5950~18700) |
| EER/COP | W/W | 2.80/3.00 | 2.80/3.20 | 2.80/3.40 | 3.00/3.20 | 2.80/3.20 | 3.00/3.20 |
| Indoor sound power(H/M/L) | dB(A) | 45/42/41 | 39/38/27 | 44/41/37 | 49/47/44 | 49/47/44 | 51/48/45 |
| Outdoor sound pressure | dB(A) | 57 | 57 | 53 | 57 | 56 | 58 |
| Power supply | | | | 220-240V~/50Hz/1P | | | 380-415V~/50Hz/3P |
| Cooling Operating current | A | 9.2(2.3~10.4) | 9.2(2.3~10.4) | 11.5(4.5~12) | 12.6(4.5~15.1) | 16.0(5.5~16.1) | 7.6(2.6~8.8) |
| Heating Operating current | A | 10(2.5~11.4) | 10(2.5~11.4) | 3500 | 12.6(4.5~13.8) | 16.5(5.5~16.1) | 7.3(2.8~8.6) |
| Max.current | A | 12 | 12 | 15 | 17 | 17 | 9 |
| Refrigerant type | | | | R410A | | | |
| Indoor air circulation cooling/heating | m³/h | 675 | 1000 | 1300 | 1600 | 1600 | 2000 |
| Outdoor air circulation | m³/h | 3000 | 3000 | 3000 | 3600 | 3600 | 5600 |
| Net dimensions (W x H x D) | Indoor | mm | 575×575×260 | 840×840×245 | 840×840×245 | 840×840×245 | 840×840×290 |
| | Outdoor | mm | 780×288×590 | 780×288×590 | 780×288×590 | 845×330×699 | 910×360×805 |
| | Panel | mm | 650×650×30 | 950×950×45 | 950×950×45 | 950×950×45 | 950×950×45 |
| Net/Gross weight | Indoor | kg | 19/21 | 21.5/25.5 | 23/28 | 24/29 | 24/28 |
| | Outdoor | kg | 28/30 | 28/30 | 31/33 | 43/46 | 47/51 |
| | Panel | kg | 2.5/4.5 | 6/9 | 6/9 | 6/9 | 6/9 |
| Packing dimensions (W x H x D) | Indoor | mm | 725×725×300 | 935×935×305 | 935×935×305 | 935×935×350 | 935×935×350 |
| | Outdoor | mm | 890×385×628 | 890×385×628 | 890×385×628 | 960×430×732 | 1022×480×835 |
| | Panel | mm | 735×735×130 | 1035×1035×80 | 1035×1035×80 | 1035×1035×80 | 1035×1035×80 |
| Connecting Pipe | Gas | mm | 12.7 | 12.7 | 12.7 | 15.88 | 15.88 |
| | Liquid | mm | 6.35 | 6.35 | 6.35 | 9.52 | 9.52 |
| Max. refrigerant pipe length | m | 30 | 30 | 30 | 30 | 50 | 50 |
| Max. difference in level | m | 15 | 15 | 15 | 15 | 30 | 30 |
| Drainage water pipe dimension | | | | OD32 | | | |
| Ambient temperature range | °C | | | -15-50-25-24 | | | |

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

| model | TCC-18D2HRA/DV(02) | TCC-24D2HRA/DV(02) | TCC-30D2HRA/DV(02) | TCC-36D2HRA/DV(02) | TCC-48D2HRA/DV7(02) | TCC-60D2HRA/DV7(02) |
|----------------------------------------|----------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| cooling capacity | W 5270(1820~5460) | 7030(2500~7450) | 8800(3100~9200) | 10550(3680~11000) | 14060(4900~14700) | 16120(5600~16800) |
| heating capacity | W 5700(2000~5980) | 7600(2660~7980) | 9370(3350~10000) | 11550(4050~12100) | 15400(5400~16100) | 17000(5950~18700) |
| EER/COP | W/W 2.80/3.20 | 2.80/3.20 | 2.80/3.20 | 3.20/3.40 | 3.00/3.20 | 3.00/3.20 |
| Indoor sound power(H/M/L) | dB(A) 38/36/35 | 40/39/36 | 46/44/44 | 47/44/44 | 49/45/42 | 49/45/42 |
| Outdoor sound pressure | dB(A) 57 | 53 | 57 | 56 | 57 | 58 |
| External Static Pressure(Range) | Pa 0~50 | 0~50 | 0~80 | 0~80 | 0~120 | 0~120 |
| Power supply | | 220-240V~/50Hz/1P | | | 380-415V~/50Hz/3P | |
| Cooling Operating current | A 9.6(2.3~10.4) | 11.5(4.5~12) | 12.6(4.5~15.1) | 16.0(5.5~16.1) | 7.6(2.6~8.8) | 8.2(3.0~9.4) |
| Heating Operating current | A 10(2.5~11.4) | 10.8(4.8~13) | 12.6(4.5~13.8) | 16.5(5.5~16.1) | 7.3(2.8~8.6) | 8.1(3.2~9.4) |
| Max.current | A 12 | 15 | 17 | 17 | 9 | 10 |
| Refrigerant type/Charge | | | | | R410A | |
| Indoor air circulation cooling/heating | m³/h 850 | 1100 | 1500 | 1500 | 2200 | 2200 |
| Outdoor air circulation | m³/h 3000 | 3000 | 3600 | 3600 | 5000 | 5600 |
| Net dimensions (W x H x D) | Indoor | mm 920×210×570 | 920×210×570 | 920×270×570 | 1140×270×710 | 1200×800×300 |
| | Outdoor | mm 780×288×590 | 780×288×590 | 845×330×699 | 910×360×805 | 910×360×805 |
| | Panel | mm / | / | / | / | / |
| Net/Gross weight | Indoor | kg 21.5/26.5 | 22/27 | 26/31 | 37/41 | 44/50 |
| | Outdoor | kg 28/30 | 31/33 | 43/46 | 47/51 | 65/70 |
| | Panel | kg / | / | / | / | / |
| Packing dimensions (W x H x D) | Indoor | mm 1115×280×690 | 1115×280×690 | 1120×341×690 | 1341×341×830 | 1400×920×371 |
| | Outdoor | mm 890×385×628 | 890×385×628 | 960×430×732 | 1022×480×835 | 1022×480×835 |
| | Panel | mm / | / | / | / | / |
| Connecting Pipe | Gas mm | 12.7 | 12.7 | 15.88 | 15.88 | 15.88 |
| | Liquid mm | 6.35 | 6.35 | 9.52 | 9.52 | 9.52 |
| Max. refrigerant pipe length | m | 30 | 30 | 30 | 30 | 30 |
| Max. difference in level | m | 15 | 15 | 15 | 15 | 15 |
| Drainage water pipe dimension | | | | OD25 | | |
| Ambient temperature range | °C | | | -15-50-25-24 | | |

CEILING&FLOOR
TYPE INDOOR UNIT

CE | RoHS | REACH

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| model | TCC-18ZHRA/DVI(02) | TCC-24ZHRA/DVI(02) | TCC-30ZHRA/DVI(02) | TCC-36ZHRA/DVI(02) | TCC-48ZHRA/DV7(02) | TCC-60ZHRA/DV7(02) |
|---------------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| cooling capacity | W 5270(1820~5460) | 7030(2500~7450) | 8800(3100~9200) | 10550(3680~11000) | 14060(4900~14700) | 16120(5600~16800) |
| heating capacity | W 5700(2000~5980) | 7600(2660~7980) | 9370(3350~10000) | 11550(4050~12100) | 15400(5400~16100) | 17000(5950~18700) |
| EER/COP | W/W 2.80/3.20 | 2.80/3.20 | 3.20/3.40 | 3.00/3.20 | 2.80/3.20 | 3.00/3.20 |
| Indoor sound power(H/M/L) | dB(A) 43/40/39 | 49 | | | | |

ON/OFF R410A 50HZ COOLING & HEATING

CASSETTE TYPE INDOOR UNIT



CB | RoHS | REACH

- 8-way air outlet panel
- Built-in water pump
- Ultra-low noise design
- LED display
- Wire/Remote control
- Inverter technology
- Healthy filter option
- Comfort
- Rapid started
- Energy saving
- Timer
- Power-down memory

| Model name | Cassette Indoor | TCC-18CHRA/UI (Q4) | TCC-18CHRA/UI (SX) | TCC-24CHRA/UI (01) | TCC-36CHRA/UI | TCC-36CHRA/UI (04) | TCC-48CHRA/UI (04) | TCC-60CHRA/UI (04) |
|------------------|-------------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| | Power supply | V/Hz/Ph | | | 220~240V~/50Hz/1P | | | |
| Cooling | Capacity | Btu/h | 18000 | 18000 | 24000 | 36000 | 48000 | 55000 |
| | Capacity | W | 5175 | 5200 | 7000 | 10500 | 10500 | 16119 |
| | Input | W | 1683 | 1732 | 2050 | 3850 | 3723 | 5694 |
| | Rated current | A | 7.65 | 7.87 | 8.70 | 17.00 | 7.80 | 11.00 |
| | EER | W/W | 3.07 | 3.00 | 3.41 | 2.73 | 2.82 | 2.83 |
| Heating | Capacity | Btu/h | 18000 | 18000 | 24000 | 40000 | 40000 | 60500 |
| | Capacity | W | 5200 | 5200 | 7000 | 12000 | 14650 | 17731 |
| | Input | W | 1761 | 1671 | 1850 | 3650 | 3409 | 5709 |
| | Rated current | A | 8.00 | 8.60 | 8.0 | 16.50 | 7.20 | 11.30 |
| | COP | W/W | 3.18 | 3.53 | 3.78 | 3.29 | 3.52 | 3.11 |
| Indoor dimension | Indoor air flow (Hi/Me/Lo) | m³/h | 720/680/600 | 1100/950/880 | 1250/1100/950 | 1600/1500/1400 | 1600/1500/1400 | 1900/1700/1500 |
| | Indoor noise level (Hi/Me/Lo) | dB(A) | 41/38/34 | 42/39/35 | 43/41/37 | 45/43/41 | 45/43/41 | 47/44/43 |
| | Unit (WxHxD) | mm | 575 × 260 × 575 | 830 × 230 × 830 | 830 × 230 × 830 | 840 × 245 × 840 | 840 × 245 × 840 | 830 × 290 × 830 |
| | Packing (WxHxD) | mm | 725 × 300 × 725 | 925 × 290 × 925 | 925 × 290 × 925 | 935 × 305 × 935 | 935 × 305 × 935 | 925 × 360 × 925 |
| | Indoor weight | Gross | kg | 19 | 22 | 22 | 26 | 28 |
| Panel | Net | kg | 22 | 27 | 27 | 30 | 33 | 33 |
| | Unit (WxHxD) | mm | 650 × 30 × 650 | 950 × 45 × 950 | 950 × 45 × 950 | 950 × 45 × 950 | 950 × 45 × 950 | 950 × 45 × 950 |
| | Packing (WxHxD) | mm | 690 × 65 × 690 | 1035 × 80 × 1035 | 1035 × 80 × 1035 | 1035 × 80 × 1035 | 1035 × 80 × 1035 | 1035 × 80 × 1035 |
| | Net/Gross | kg | 2.5/4.5 | 6/9 | 6/9 | 6/9 | 6/9 | 6/9 |
| | Liquid side | mm | 6.35 | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 |
| Refrigerant pipe | Gas side | mm | 12.70 | 12.70 | 15.88 | 15.88 | 19.05 | 19.05 |
| | Drainage water pipe diameter | mm | | | OD32 | | | |
| | Ambient temperature range | Cooling | °C | 10~48 | 10~48 | 10~48 | 10~48 | 10~48 |
| | Heating | °C | | | -7~24 | | | |

DUCT TYPE INDOOR UNIT



CB | RoHS | REACH

- Flexible installation
- Dual direction of drainage
- Ultra-low noise design
- Ultra-thin design
- Wire/Remote control
- Healthy filter option
- Built-in water pump
- Comfort
- Rapid started
- Energy saving
- Timer
- Power-down memory

| Model name | MESP Duct Indoor | TCC-18D2HRA/UI(01) | TCC-24D2HRA/UI(01) | TCC-36D2HRA/UI | TCC-36D2HRA/UI(04) | TCC-48D2HRA/UI(04) | TCC-60D2HRA/UI(04) | |
|------------------------------|--------------------------------------|--------------------|--------------------|------------------|--------------------|--------------------|--------------------|------------------|
| | Power supply | V/Hz/Ph | | | 220~240V~/50Hz/1P | | | |
| Cooling | Capacity | Btu/h | 18000 | 24000 | 36000 | 36000 | 48000 | 55000 |
| | Capacity | W | 5200 | 7000 | 10500 | 10550 | 14000 | 16119 |
| | Input | W | 1761 | 2050 | 3850 | 3584 | 4560 | 5694 |
| | Rated current | A | 8.00 | 8.70 | 17.00 | 7.8 | 9.30 | 12.00 |
| | EER | W/W | 2.95 | 3.41 | 2.73 | 2.94 | 3.07 | 2.83 |
| Heating | Capacity | Btu/h | 18000 | 24000 | 40000 | 40000 | 50000 | 60500 |
| | Capacity | W | 5200 | 7000 | 12000 | 12000 | 14650 | 17731 |
| | Input | W | 1513 | 1850 | 3650 | 3468 | 4446 | 4845 |
| | Rated current | A | 6.87 | 8.0 | 16.50 | 7.2 | 9.50 | 12.40 |
| | COP | W/W | 3.90 | 3.78 | 3.29 | 3.46 | 3.30 | 3.66 |
| Indoor dimension | Indoor air flow (Hi/Me/Lo) | m³/h | 1170/770/650 | 1400/950/800 | 1800/1500/1350 | 1800/1500/1350 | 2100/1750/1550 | 2200/1800/1600 |
| | Indoor external static pressure (Hi) | Pa | 70 | 70 | 80 | 80 | 100 | 100 |
| | Indoor noise level (Hi/Me/Lo) | dB(A) | 43/35/32 | 46/43/41 | 46/44/42 | 46/44/42 | 47/44/42 | 47/45/43 |
| | Unit (WxHxD) | mm | 920 × 210 × 605 | 920 × 270 × 605 | 1140 × 270 × 745 | 1140 × 270 × 745 | 1200 × 300 × 835 | 1200 × 300 × 835 |
| | Packing (WxHxD) | mm | 1115 × 280 × 690 | 1115 × 340 × 690 | 1345 × 345 × 830 | 1345 × 345 × 830 | 1405 × 375 × 925 | 1405 × 375 × 925 |
| Refrigerant pipe | Net | kg | 22 | 28 | 35 | 35 | 43 | 43 |
| | Gross | kg | 27 | 32 | 42 | 42 | 50 | 50 |
| | Type | | | | R410A | | | |
| | Liquid side | mm | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 |
| | Gas side | mm | 12.70 | 15.88 | 15.88 | 19.05 | 19.05 | 19.05 |
| Drainage water pipe diameter | mm | | | | OD25 | | | |
| | Ambient temperature range | Cooling | °C | 10~48 | 10~48 | 10~48 | 10~48 | 10~48 |
| | Heating | °C | | | -7~24 | | | |

CEILING&FLOOR TYPE INDOOR UNIT



CB | RoHS | REACH

- 3D air flow
- Flexible installation
- Dual direction of drainage
- LED display
- Convenient maintenance
- Wire/Remote control
- Ultra-thin design
- Comfort
- Rapid started
- Energy saving
- Timer
- Power-down memory

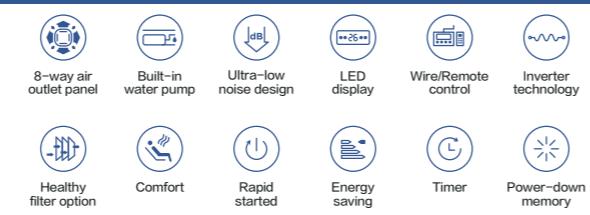
| Model name | Ceiling Floor Indoor | TCC-18ZHRA/UI (01) | TCC-24ZHRA/UI (01) | TCC-36ZHRA/UI | TCC-36ZHRA/UI (04) | TCC-48ZHRA/UI (04) | TCC-60ZHRA/UI (04) | |
|------------------|----------------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|-------|
| | Power supply | V/Hz/Ph | | | 220~240V~/50Hz/1P | | | |
| Cooling | Capacity | Btu/h | 18000 | 24000 | 36000 | 36000 | 48000 | 55000 |
| | Capacity | W | 5200 | 7000 | 10500 | 10550 | 14000 | 16119 |
| | Input | W | 1712 | 2050 | 3850 | 3578 | 4551 | 5594 |
| | Rated current | A | 7.78 | 8.70 | 17.00 | 7.8 | 9.30 | 12.00 |
| | EER | W/W | 3.04 | 3.41 | 2.73 | 2.95 | 3.08 | 2.88 |
| Heating | Capacity | Btu/h | 18000 | 24000 | 40000 | 40000 | 50000 | 60500 |
| | Capacity | W | 5200 | 7000 | 12000 | 12000 | 14650 | 17731 |
| | Input | W | 1782 | 1850 | 3650 | 3468 | 4058 | 5147 |
| | Rated current | A | 8.50 | 8.0 | 16.50 | 7.2 | 9.50 | 12.40 |
| | COP | W/W | 3.29 | 3.78 | 3.29 | 3.46 | 3.61 | 3.44 |
| Indoor dimension | Indoor air flow (Hi/Me/Lo) | m³/h | 900/800/700 | 1200/1050/900 | 1700/1300/1100 | 1700/1 | | |

ON/OFF R410A 50HZ COOLING ONLY

CASSETTE TYPE INDOOR UNIT



CB | RoHS | REACH



| Model name | Q8 Cassette Indoor | | TCC-18CCRA/UI(01) | TCC-24CCRA/UI (02) | TCC-30CCRA/UI(01) | TCC-36CCRA/UI(03) | TCC-48CCRA/UI(03) | TCC-60CCRA/UI(03) |
|-------------------------------|--------------------|---------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Power supply | | V/Hz/Ph | 220~240V~/50Hz/1P | | | | | |
| Cooling | Capacity | Btu/h | 18000 | 24000 | 30000 | 36000 | 48000 | 55000 |
| | Capacity | W | 5270 | 7030 | 8790 | 10548 | 14000 | 16100 |
| | Input | W | 1600 | 2100 | 2800 | 3600 | 4150 | 5500 |
| | Rated current | A | 7.20 | 9.20 | 14.00 | 7.00 | 7.60 | 10.00 |
| | EER | W/W | 3.29 | 3.35 | 3.14 | 2.93 | 3.37 | 2.93 |
| Indoor air flow (Hi/Me/Lo) | | m3/h | 1250/1000/900 | 1600/1500/1400 | 1600/1500/1400 | 1600/1500/1400 | 1700/1500/1400 | 1900/1700/1500 |
| Indoor noise level (Hi/Me/Lo) | | dB(A) | 41/39/35 | 50/48/46 | 50/48/46 | 50/48/46 | 50/48/46 | 52/50/48 |
| Indoor dimension | Unit (WxHxD) | mm | 840×245×840 | 840×245×840 | 840×245×840 | 840×245×840 | 840×290×840 | 840×290×840 |
| | Packing (WxHxD) | mm | 935×305×935 | 935×305×935 | 935×305×935 | 935×305×935 | 935×350×935 | 935×350×935 |
| Indoor weight | Net | kg | 22 | 24.5 | 26 | 26 | 28 | 28 |
| | Gross | kg | 26 | 29 | 30 | 30 | 33 | 33 |
| Panel | Unit (WxHxD) | mm | 950×45×950 | 950×45×950 | 950×45×950 | 950×45×950 | 950×45×950 | 950×45×950 |
| | Packing (WxHxD) | mm | 1055×90×1055 | 1055×90×1055 | 1055×90×1055 | 1055×90×1055 | 1055×90×1055 | 1055×90×1055 |
| Net/Gross | | kg | 6/9 | 6/9 | 6/9 | 6/9 | 6/9 | 6/9 |
| Refrigerant R410A | | | | | | | | |
| Refrigerant pipe | Liquid side | mm | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 |
| | Gas side | mm | 12.70 | 15.88 | 15.88 | 15.88 | 19.05 | 19.05 |
| Drainage water pipe diameter | | mm | OD32 | | | | | |
| Operation temperature range | | °C | 10~48 | | | | | |

DUCT TYPE INDOOR UNIT



CB | RoHS | REACH

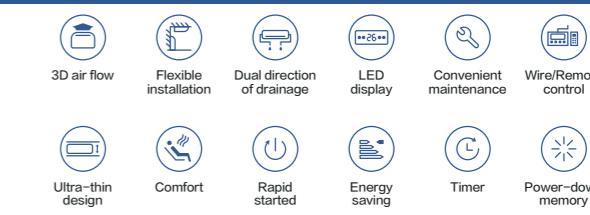


| Model name | MESP Duct Indoor | | TCC-18D2CRA/UI(01) | TCC-24D2CWA/UI(02) | TCC-30D2CRA/UI(01) | TCC-36D2CRA/UI(03) | TCC-48D2CRA/UI(03) | TCC-60D2CRA/UI(03) | |
|--------------------------------------|------------------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| Power supply | | V/Hz/Ph | 220~240V~/50Hz/1P | | | | | | |
| Cooling | Capacity | Btu/h | 18000 | 24000 | 30000 | 36000 | 48000 | 55000 | |
| | Capacity | W | 5270 | 7030 | 8790 | 10548 | 14000 | 16100 | |
| | Input | W | 1700 | 2100 | 2800 | 3600 | 4350 | 5600 | |
| | Rated current | A | 7.50 | 9.20 | 14.00 | 7 | 8.00 | 10.10 | |
| | EER | W/W | 3.10 | 3.35 | 3.14 | 2.93 | 3.22 | 2.88 | |
| Indoor air flow (Hi/Me/Lo) | | m3/h | 900/800/700 | 1300/1000/800 | 1600/1450/1350 | 1600/1450/1350 | 1900/1750/1550 | 1900/1750/1550 | |
| Indoor external static pressure (Hi) | | Pa | 25 | 25 | 37 | 37 | 50 | 50 | |
| Indoor noise level (Hi/Me/Lo) | | dB(A) | 43/35/32 | 46/43/41 | 46/44/42 | 46/44/42 | 47/44/42 | 47/44/42 | |
| Indoor dimension (with filter) | Unit (WxHxD) | mm | 920×210×605 | 920×270×605 | 1140×270×745 | 1140×270×745 | 1200×300×835 | 1200×300×835 | |
| | Packing (WxHxD) | mm | 1115×280×690 | 1115×340×690 | 1345×345×830 | 1345×345×830 | 1405×375×925 | 1405×375×925 | |
| Indoor weight | Net | kg | 22 | 27.5 | 35 | 35 | 43 | 43 | |
| | Gross | kg | 27 | 32 | 42 | 42 | 50 | 50 | |
| Refrigerant R410A | | | | | | | | | |
| Refrigerant pipe | Liquid side | mm | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 | |
| | Gas side | mm | 12.70 | 15.88 | 15.88 | 15.88 | 19.05 | 19.05 | |
| Drainage water pipe diameter | | mm | OD25 | | | | | | |
| Operation temperature range | | °C | 10~48 | | | | | | |

CEILING&FLOOR TYPE INDOOR UNIT



CB | RoHS | REACH



| Model name | Ceiling Floor Indoor | TCC-18ZCRA/UI(01) | TCC-24ZCRA/UI (02) | TCC-30ZCRA/UI(01) | TCC-36ZCRA/UI(03) | TCC-48ZCRA/UI(03) | TCC-60ZCRA/U3(03) | | |
|-------------------------------|----------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|----------------|--|
| Power supply | | V/Hz/Ph | 220~240V~/50Hz/1P | | | | | | |
| Cooling | Capacity | Btu/h | 18000 | 24000 | 30000 | 36000 | 48000 | 55000 | |
| | Capacity | W | 5270 | 7030 | 8790 | 10548 | 14000 | 16100 | |
| | Input | W | 1600 | 2000 | 2800 | 3600 | 4200 | 5500 | |
| | Rated current | A | 7.50 | 8.8 | 14.00 | 7.0 | 7.70 | 10.00 | |
| | EER | W/W | 3.29 | 3.52 | 3.14 | 2.93 | 3.33 | 2.93 | |
| Indoor air flow (Hi/Me/Lo) | | m3/h | 1000/900/800 | 1200/1100/1000 | 1600/1300/1100 | 1600/1300/1100 | 1950/1700/1450 | 1950/1700/1450 | |
| Indoor noise level (Hi/Me/Lo) | | dB(A) | 43/41/38 | 51/49/47 | 51/49/47 | 51/49/47 | 54/51/48 | 54/51/48 | |
| Indoor dimension | Unit (WxHxD) | mm | 1055×675×235 | 1055×675×235 | 1275×675×235 | 1275×675×235 | 1635×675×235 | 1635×675×235 | |
| | Packing (WxHxD) | mm | 1130×748×305 | 1130×748×305 | 1350×748×305 | 1350×748×305 | 1710×748×305 | 1710×748×305 | |
| Indoor weight | Net | kg | 23 | 25 | 29 | 29 | 38 | 38 | |
| | Gross | kg | 28 | 30 | 35 | 35 | 44 | 44 | |
| Refrigerant R410A | | | | | | | | | |
| Refrigerant pipe | Liquid side | mm | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 | 9.52 | |
| | Gas side | mm | 12.70 | 15.88 | 15.88 | 15.88 | 19.05 | 19.05 | |
| Drainage water pipe diameter | | mm | OD25 | | | | | | |
| Operation temperature range | | °C | 10~48 | | | | | | |

UNIVERSAL OUTDOOR UNIT

PRODUCT LINEUP

ON/OFF R410A 50HZ COOLING & HEATING LOW AMBIENT TEMPERATURE MODEL

CASSETTE TYPE INDOOR UNIT



CB | RoHS | REACH

| Model name | Q8 Cassette Indoor | TCC-18CHRA/UI (Q4)(03) | TCC-18CHRA/UI (03) | TCC-24CHRA/UI (03) | TCC-36CHRA/UI (05) | TCC-48CHRA/U3I (03) | TCC-60CHRA/U3I (03) |
|-------------------------------------|--------------------|------------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Power supply | | 220~240V~/50Hz/1P | | | | | |
| Cooling | Capacity Btu/h | 18000 | 18000 | 24000 | 36000 | 48000 | 55000 |
| | Capacity W | 5175 | 5200 | 7000 | 10500 | 14000 | 16119 |
| | Input W | 1683 | 1732 | 2050 | 3723 | 4636 | 5694 |
| | Rated current A | 7.65 | 7.87 | 8.70 | 7.80 | 9.30 | 11.00 |
| | EER W/W | 3.07 | 3.00 | 3.41 | 2.82 | 3.02 | 2.83 |
| Heating | Capacity Btu/h | 18000 | 18000 | 24000 | 40000 | 50000 | 60500 |
| | Capacity W | 5200 | 5200 | 7000 | 12000 | 14650 | 17731 |
| | Input W | 1761 | 1671 | 1850 | 3409 | 5079 | 5700 |
| | Rated current A | 8.00 | 8.60 | 8.0 | 7.20 | 9.50 | 11.30 |
| | COP W/W | 3.18 | 3.53 | 3.78 | 3.52 | 2.88 | 3.11 |
| Indoor air flow (Hi/Me/Lo) m³/h | | 800/750/600 | 1100/950/880 | 1400/1200/950 | 1600/1500/1400 | 1700/1500/1400 | 1900/1700/1500 |
| Indoor noise level (Hi/Me/Lo) dB(A) | | 41/38/34 | 42/39/35 | 43/41/37 | 45/43/41 | 45/43/41 | 47/44/43 |
| Indoor dimension | Unit (WxHxD) mm | 575×260×575 | 830×230×830 | 830×230×830 | 840×245×840 | 830×290×830 | 830×290×830 |
| | Packing (WxHxD) mm | 725×300×725 | 925×290×925 | 925×290×925 | 935×305×935 | 925×360×925 | 925×360×925 |
| Indoor weight | Net kg | 19 | 22 | 22 | 26 | 28 | 28 |
| | Gross kg | 22 | 27 | 27 | 30 | 33 | 33 |
| Panel | Unit (WxHxD) mm | 650×30×650 | 950×45×950 | 950×45×950 | 950×45×950 | 950×45×950 | 950×45×950 |
| | Packing (WxHxD) mm | 690×65×690 | 1035×80×1035 | 1035×80×1035 | 1035×80×1035 | 1035×80×1035 | 1035×80×1035 |
| Refrigerant pipe | Net/Gross kg | 2.5/4.5 | 6/9 | 6/9 | 6/9 | 6/9 | 6/9 |
| | Liquid side mm | 6.35 | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 |
| Drainage water pipe diameter | Gas side mm | 12.70 | 12.70 | 15.88 | 15.88 | 19.05 | 19.05 |
| | OD32 | | | | | | |
| Ambient temperature range | Cooling °C | | | -15~48 | | | |
| | Heating °C | | | -15~24 | | | |



CEILING&FLOOR TYPE INDOOR UNIT



CB | RoHS | REACH

| Model name | Ceiling Floor Indoor | TCC-18ZHRA/UI(03) | TCC-24ZHRA/UI(03) | TCC-36ZHRA/UI(05) | TCC-48ZHRA/UI(05) | TCC-60ZHRA/UI(05) |
|-------------------------------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Power supply | V/Hz/Ph | | | 220~240V~/50Hz/1P | |
| Cooling | Capacity Btu/h | 18000 | 24000 | 36000 | 48000 | 55000 |
| | Capacity W | 5200 | 7000 | 10550 | 14000 | 16119 |
| | Input W | 1712 | 2050 | 3578 | 4551 | 5594 |
| | Rated current A | 7.78 | 8.70 | 7.8 | 9.30 | 12.00 |
| | EER W/W | 3.04 | 3.41 | 2.95 | 3.08 | 2.88 |
| Heating | Capacity Btu/h | 18000 | 24000 | 40000 | 40000 | 50000 |
| | Capacity W | 5200 | 7000 | 12000 | 14650 | 17731 |
| | Input W | 1782 | 1850 | 3468 | 4058 | 5147 |
| | Rated current A | 8.50 | 8.0 | 7.2 | 9.50 | 12.40 |
| | COP W/W | 3.29 | 3.78 | 3.46 | 3.61 | 3.44 |
| Indoor air flow (Hi/Me/Lo) m³/h | | 900/800/700 | 1200/1050/900 | 1700/1300/1100 | 2177/1689/1434 | 2177/1689/1434 |
| Indoor noise level (Hi/Me/Lo) dB(A) | | 43/41/38 | 45/43/40 | 45/43/40 | 52/49/46 | 52/49/46 |
| Indoor dimension | Unit (WxHxD) mm | 1055×675×235 | 1055×675×235 | 1275×675×235 | 1635×675×235 | 1635×675×235 |
| | Packing (WxHxD) mm | 1130×748×305 | 1130×748×305 | 1350×748×305 | 1710×748×305 | 1710×748×305 |
| Indoor weight | Net kg | 23 | 23 | 29 | 40 | 38 |
| | Gross kg | 29 | 29 | 35 | 46 | 44 |
| Refrigerant pipe | Liquid side mm | ø 6.35 | 9.52 | 9.52 | 9.52 | 9.52 |
| | Gas side mm | ø 12.7 | ø 15.88 | ø 15.88 | ø 19.05 | ø 19.05 |
| Drainage water pipe diameter mm | | | | | OD25 | |
| Ambient temperature range | Cooling °C | | | -15~48 | | |
| | Heating °C | | | -15~24 | | |



DUCT TYPE INDOOR UNIT



CB | RoHS | REACH

| Model name | MESP Duct Indoor | TCC-18D2HRA/UI(03) | TCC-24D2HRA/UI(03) | TCC-36D2HRA/UI(05) | TCC-48D2HRA/U3I(03) | TCC-60D2HRA/U3I(03) |
|-----------------------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Power supply | | 220~240V~/50Hz/1P | | | | |
| Cooling | Capacity Btu/h | 18000 | 24000 | 36000 | 48000 | 55000 |
| | Capacity W | 5200 | 7000 | 10550 | 14000 | 16119 |
| | Input W | 1761 | 2050 | 3584 | 4560 | 5694 |
| | Rated current A | 8.00 | 8.70 | 7.8 | 9.30 | 12.00 |
| | EER W/W | 2.95 | 3.41 | 2.94 | 3.07 | 2.83 |
| Heating | Capacity Btu/h | 18000 | 24000 | 40000 | 50000 | 60500 |
| | Capacity W | 5200 | 7000 | 12000 | 14650 | 17731 |
| | Input W | 1513 | 1850 | 3468 | 4446 | 4845 |
| | Rated current A | 6.87 | 8.0 | 7.2 | 9.50 | 12.40 |
| | COP W/W | 3.90 | 3.78 | 3.46 | 3.30 | 3.66 |
| Indoor air flow (Hi/Me/Lo) m³/h | | 1170/770/650 | 1400/950/800 | 1800/1500/1350 | 2100/1750/1550 | 2200/1800/1600 |
| Indoor external static pressure (Hi) Pa | | 70 | 70 | 80 | 100 | 100 |
| Indoor noise level (Hi/Me/Lo) dB(A) | | 43/35/32 | 46/43/41 | 46/44/42 | 47/44/42 | 47/45/43 |
| Indoor dimension | Unit (WxHxD) mm | 920×210×605 | 920×270×605 | 1140×270×745 | 1200×300×835 | 1200×300×835 |
| | Packing (WxHxD) mm | 1115×280×690 | 1115×340×690 | 1345×345×830 | 1405×375×925 | 1405×375×925 |
| Indoor weight | Net kg | 22 | 28 | 35 | 43 | 43 |
| | Gross kg | 27 | 32 | 42 | 50 | 50 |
| Refrigerant pipe | Liquid side mm | 6.35 | 9.52 | 9.52 | 9.52 | 9.52 |
| | Gas side mm | 12.70 | 15.88 | 15.88 | 19.05 | 19.05 |
| Drainage water pipe diameter mm | | | | OD25 | | |
| Ambient temperature range | Cooling °C | | | -15~48 | | |
| | Heating °C | | | -15~24 | | |



UNIVERSAL OUTDOOR UNIT</h

ON/OFF R410A 50HZ T3 COOLING ONLY(HIGH EFFICIENCY)

CASSETTE TYPE
INDOOR UNIT

CB | RoHS | REACH | ESMA | PAI

- 8-way air outlet panel
- Built-in water pump
- Ultra-low noise design
- LED display
- Wire/Remote control
- High ambient temperature operation
- Healthy filter option
- Comfort
- Rapid started
- Energy saving
- Timer
- Power-down memory

| Model name | Cassette Indoor | TCC-18CCRA/UTI-(C4) | TCC-24CCRA/UTI-(C4) | TCC-30CCRA/UTI-(C4) | TCC-36CCRA/UTI-(01)(C4) | TCC-48CCRA/U3TI-(C4) | |
|--------------------------------------|-----------------|---------------------|---------------------|---------------------|-------------------------|----------------------|----------------|
| Power supply | | | | | | | |
| | V/Ph/Hz | 220~240V/1Ph/50Hz | | | | | |
| Cooling | Capacity Btu/h | 18000 | 23600 | 28500 | 32900 | 42200 | |
| | Capacity W | 5272 | 6915 | 8350 | 9640 | 12364 | |
| | Input W | 1520 | 1940 | 2370 | 2750 | 3645 | |
| | Rated current A | 6.7 | 8.5 | 10.4 | 11.9 | 6.7 | |
| | EER (Btu/h)/W | 11.842 | 12.165 | 12.025 | 11.964 | 11.578 | |
| | EER W/W | 3.470 | 3.564 | 3.523 | 3.505 | 3.392 | |
| Cooling(T3) | Capacity Btu/h | 15600 | 20300 | 24600 | 27700 | 36700 | |
| | Capacity W | 4570 | 5945 | 7210 | 8120 | 10753 | |
| | Input W | 1820 | 2330 | 2840 | 3180 | 4390 | |
| | Rated current A | 8.0 | 10.7 | 13.1 | 13.9 | 7.8 | |
| | EER (Btu/h)/W | 8.571 | 8.712 | 8.662 | 8.711 | 8.360 | |
| | EER W/W | 2.511 | 2.553 | 2.538 | 2.553 | 2.449 | |
| Indoor air flow (Hi/Me/Lo) | | m3/h | 1050/950/880 | 1550/1200/950 | 1800/1600/1300 | 1950/1750/1570 | 2050/1850/1650 |
| Indoor external static pressure (Hi) | | Pa | / | / | / | / | / |
| Indoor noise level (Hi/Me/Lo) | | dB(A) | 41/38/36 | 48/46/44 | 48/46/44 | 50/48/45 | 55/51/48 |
| Indoor dimension | | Unit (WxDxH) | mm | 830×830×230 | 830×830×230 | 830×830×290 | 830×830×290 |
| | | Packing (WxDxH) | mm | 925×925×285 | 925×925×285 | 925×925×355 | 925×925×355 |
| Indoor weight | | Net | kg | 24 | 24 | 29.5 | 29.5 |
| | | Gross | kg | 27 | 27 | 34 | 34 |
| Panel | | Unit (WxDxH) | mm | 950×45×950 | 950×45×950 | 950×45×950 | 950×45×950 |
| | | Packing (WxDxH) | mm | 1035×90×1035 | 1035×90×1035 | 1035×90×1035 | 1035×90×1035 |
| | | Net/Gross | kg | 6/9 | 6/9 | 6/9 | 6/9 |
| Refrigerant | | Type | | R410A | | | |
| Refrigerant pipe | | Liquid side | mm | Φ6..35 | Φ9.52 | Φ9.52 | Φ9.52 |
| | | Gas side | mm | Φ12.7 | Φ15.88 | Φ15.88 | Φ19.05 |
| Drainage water pipe diameter | | mm | / | / | / | / | / |
| Operation temperature range | | °C | | 16~55 | | | |

DUCT TYPE
INDOOR UNIT

- Flexible installation
- Dual direction of drainage
- Ultra-low noise design
- High ambient temperature operation
- Wire/Remote control
- Healthy filter option
- Built-in water pump
- Comfort
- Rapid started
- Energy saving
- Timer
- Power-down memory

| Model name | MESP Duct Indoor | TCA-18D2CWA/UTI-(C4) | TCA-24D2CWA/UTI-(C4) | TCA-30D2CWA/UTI-(C4) | TCA-36D2CWA/UTI-(01)(C4) | TCA-48D2CWA/U3TI-(C4) | TCA-55D1CWA/U3TI-(C4) | |
|--------------------------------------|------------------|----------------------|----------------------|----------------------|--------------------------|-----------------------|-----------------------|----------------|
| Power supply | | | | | | | | |
| | V/Ph/Hz | 220~240V/1Ph/50Hz | | | | | | |
| Cooling(T1) | Capacity Btu/h | 18000 | 22500 | 28700 | 33500 | 44800 | 52300 | |
| | Capacity W | 5275 | 6595 | 8410 | 9820 | 13125 | 15323 | |
| | Input W | 1533 | 1916 | 2400 | 2850 | 3860 | 4390 | |
| | Rated current A | 6.7 | 8.2 | 10.5 | 12.4 | 7.1 | 7.9 | |
| | EER (Btu/h)/W | 11.742 | 11.743 | 11.958 | 11.754 | 11.606 | 11.913 | |
| | EER W/W | 3.440 | 3.441 | 3.504 | 3.446 | 3.401 | 3.491 | |
| Cooling(T3) | Capacity Btu/h | 15700 | 19400 | 24800 | 29100 | 40000 | 47200 | |
| | Capacity W | 4460 | 5685 | 7270 | 8530 | 11720 | 13830 | |
| | Input W | 1850 | 2290 | 2910 | 3400 | 4650 | 5420 | |
| | Rated current A | 8.1 | 9.9 | 12.5 | 14.8 | 7.9 | 8.9 | |
| | EER (Btu/h)/W | 8.486 | 8.472 | 8.522 | 8.559 | 8.602 | 8.708 | |
| | EER W/W | 2.487 | 2.482 | 2.497 | 2.509 | 2.520 | 2.552 | |
| Indoor air flow (Hi/Me/Lo) | | m3/h | 1050/850/730 | 1400/1200/990 | 1900/1600/1350 | 2300/2100/1850 | 2550/2410/2150 | 3100/2750/2420 |
| Indoor external static pressure (Hi) | | Pa | 70 | 70 | 80 | 80 | 100 | 200 |
| Indoor noise level (Hi/Me/Lo) | | dB(A) | 43/40/38 | 47/43/41 | 47/43/41 | 50/47/45 | 51/49/47 | 56/53/51 |
| Indoor dimension | | Unit (WxDxH) | mm | 920×610×270 | 920×610×270 | 1200×840×300 | 1200×840×300 | 1200×550×380 |
| | | Packing (WxDxH) | mm | 1120×690×340 | 1120×690×340 | 1400×920×371 | 1400×920×371 | 1485×675×460 |
| Indoor weight | | Net | kg | 26 | 26 | 46 | 45 | 46 |
| | | Gross | kg | 31 | 31 | 51 | 50 | 51 |
| Refrigerant | | Type | | R410A | | | | |
| Refrigerant pipe | | Liquid side | mm | Φ6.35 | Φ9.52 | Φ9.52 | Φ9.52 | Φ9.52 |
| | | Gas side | mm | Φ12.7 | Φ15.88 | Φ15.88 | Φ19.05 | Φ19.05 |
| Drainage water pipe diameter | | mm | | OD25 | | | | |
| Operation temperature range | | °C | | 16~55 | | | | |

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB; Equivalent ref. piping: 7.5m (horizontal)
 2. Nominal heating capacities are based on the following conditions: Indoor temp: 20° CDB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m (horizontal)
 3. T3 cooling capacities are based on the following conditions: Indoor temp: xx° CDB, xx° CWB; Outdoor temp: xx° CDB; Equivalent ref. piping: 7.5m (horizontal)
 4. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.
 The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

UNIVERSAL
OUTDOOR UNIT

CB | RoHS | REACH | ESMA | PAI

- Universal design
- Long life span
- Wide voltage operation
- High ambient temperature operation
- Multiple protection
- Rapid started
- Energy saving
- Power-down memory
- Intelligent defrosting
- High reliability

| Model name | Universal Outdoor Unit | TCA-18CA/UTO-(C4) | TCA-24CA/UTO-(C4) | TCA-30CA/UTO-(C4) | TCA-36CA/UTO-(01)(C4) | TCA-48CA/U3TO-(C4) | TCA-55CA/U3TO-(C4) |
|-----------------------------|------------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|--------------------|
| Power supply | | | | | | | |
| | V/Ph/Hz | 220~240V/1Ph/50Hz | | | | | |
| Max. input consumption | | | | | | | |
| | W | 2260 | 2726 | 3360 | 3940 | 5350 | 6300 |
| Max. current | | A | 11.1 | 13.5 | 16.5 | 19.5 | 9.8 |
| Starting current | | A | 42 | 55 | 55 | 71 | 72 |
| Max Operating Pressure(MPa) | Discharge | MPa | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| | Suction | MPa | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| Outdoor air flow | | | | | | | |

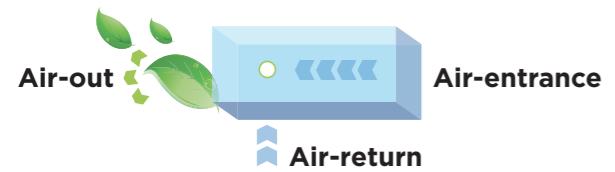
High Static Pressure Duct

Supermarket, Cinemas, Factories, Waiting rooms



Fresh Air Can Be Introduced To Improve Air Quality (optional)

Easy introduction of outdoor fresh air, ready to send you comfortable fresh air. Comfortable to experience, effectively prevent air conditioning.



Multiple Protection Functions Comprehensive And Reliable

The unit has "pressure protection", "temperature protection", "current protection", "communication fault". Guarantee the reliable operation of the unit.



Various Forms Of Air Outlets Matching With Decoration

The indoor unit adopts a hidden installation mode, which can be equipped with appropriate air outlets to perfectly combine the air conditioning.



Round air supply outlet

Round diffuser

Square air supply outlet

Strip air supply outlet

Linear diffuser

10/20HP HIGH STATIC PRESSURE DUCT TYPE

D1 DUCT & UNIVERSAL OUTDOOR

CB | RoHS | REACH



| Model name | High ESP Duct Indoor | | TCA-90D1HWA/U3 | TCA-180D1HWA/U3 |
|------------------------------------|------------------------------|---------|-------------------|--------------------------------------------------|
| Cooling | Capacity | Btu/h | 88000 | 170600 |
| | Capacity | W | 25791 | 50000 |
| | Input | W | 11400 | 23000.00 |
| | Rated current | A | 20.1 | 44.00 |
| | EER | W/W | 2.26 | 2.17 |
| Heating | Capacity | Btu/h | 90000 | 177424 |
| | Capacity | W | 26377 | 52000.00 |
| | Input | W | 9480 | 21000.00 |
| | Rated current | A | 17.0 | 38.00 |
| | COP | W/W | 2.78 | 2.48 |
| Power supply | | V/Ph/Hz | 220~240V/1P/50Hz | |
| Max. input consumption | | W | 15300 | 32000 |
| Max. current | | A | 28.0 | 59.0 |
| Starting current | | A | 62.0 | / |
| Max Operating Pressure(MPa) | Discharge | MPa | 4.6 | 4.6 |
| | Suction | MPa | 1.3 | 1.3 |
| Outdoor noise level | | dB(A) | 68 | 74 |
| Indoor noise level (Hi/Mo/Lo) | | dB(A) | 58/56/53 | 68 |
| Indoor/Outdoor air flow (Hi/Mo/Lo) | | m³/h | 4500/10425 | 9000 |
| Static pressure | | Pa | 200 | 200 |
| Net dimension (WxDxH) | Indoor | mm | 1366×758×470 | 1880×865×700 |
| | Outdoor | mm | 1120×400×1560 | outdoor1 1120×400×1560 outdoor2 1120×400×1560 |
| Net/Gross weight | Indoor | kg | 121/160 | 158/209 |
| | Outdoor | kg | 179/196 | outdoor1 152/175 outdoor2 152/175 |
| Packing dimension (WxDxH) | Indoor | mm | 1620×975×700 | 1955×910×960 |
| | Outdoor | mm | 1250×560×1721 | outdoor1 1250×560×1721 outdoor2 1250×560×1721 |
| Refrigerant | Type | | R410A | |
| | Liquid side | mm | 2*9.52 | 2*9.52 |
| Refrigerant pipe | Gas side | mm | 2*19.05 | 2*19.05 |
| | Max. refrigerant pipe length | m | 30 | 25 |
| | Max. difference in level | m | 25 | 20 |
| | Drainage water pipe diameter | mm | DN25 | DN25 |
| Operation temperature range | | °C | -5~48 | -5~48 |
| Operation Control | | | Remote controller | |

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°C DB, 19°C WB; Outdoor temp: 35°C DB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°C DB; Outdoor temp: 7°C DB, 6°C WB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

Commercial Floor Standing

Business hall, Waiting rooms, Factory, Restaurant



The Appearance Is Fashionable

The appearance adopts the mainstream white, the shell adopts the pure sheet metal design, the structure strength is good, the texture is good.



Comfortable Air Supply

A wide Angle 180° of uniform air supply, the outlet with wide and high efficiency centrifugal fan design, can Long-distance air supply, double environmental comfort.



Easy Installation

Simple pipe connection and wiring operation can be completed on the ground. The installation process is simple, efficient short installation time and ensures installation quality.



Strong Cooling&Heating

The design of 10Ph power and super air capacity can achieve strong cooling and heating. Dustproof design, air guide bar is closed after stop.



10HP FLOOR-STANDING TYPE

FLOOR STANDING INDOOR & UNIVERSAL OUTDOOR

CB | RoHS | REACH



- 3D fan design
- Long life span
- Wide voltage operation
- Multiple protection
- Rapid start
- Energy saving
- Power-down intelligent defrosting
- High reliability
- 3D fan design
- Convenient maintenance
- Wide voltage operation
- Strong cooling & heating
- Comfort
- Timer

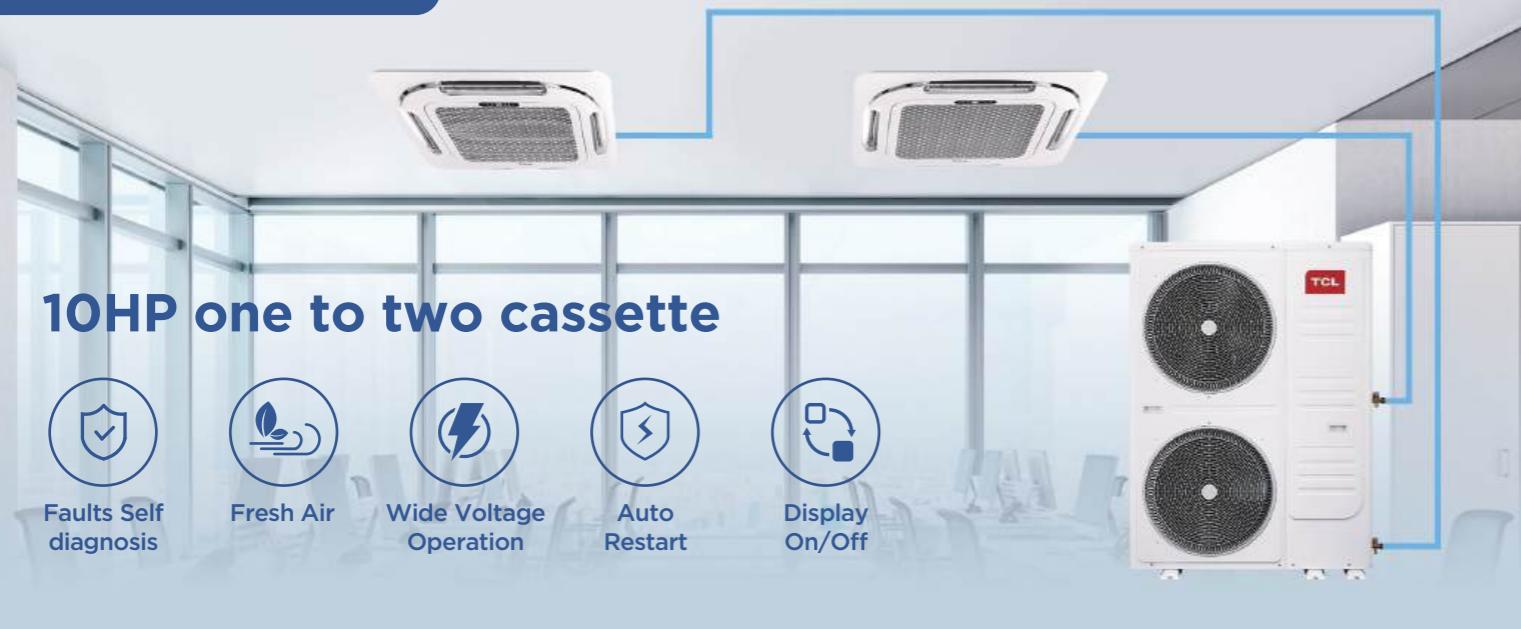
| Model name | Floor Standing Indoor | | TCB-96FCRA/U3(01) | TCB-96FHRA/U3(01) |
|---------------------------------------|-----------------------|---------|-------------------|-------------------|
| | Power supply | V/Ph/Hz | 220~240V/1P/50Hz | |
| Cooling | Capacity | Btu/h | 96000 | 96000 |
| | Capacity | W | 28136 | 28136 |
| | Input | W | 9650 | 9680 |
| | Rated current | A | 16.5 | 16.5 |
| | EER | W/W | 2.92 | 2.91 |
| Heating | Capacity | Btu/h | 98000 | / |
| | Capacity | W | 28722 | / |
| | Input | W | 9250 | / |
| | Rated current | A | 15.2 | / |
| | COP | W/W | 3.11 | / |
| Power supply | | V/Ph/Hz | 380~415V~/50Hz/3P | |
| Max. input consumption | | W | 15300 | 15300 |
| Max. current | | A | 20.0 | 20.0 |
| Starting current | | A | 62.0 | 62.0 |
| Max Operating Pressure(MPa) | Discharge | MPa | 4.5 | 4.5 |
| | Suction | MPa | 1.2 | 1.2 |
| Indoor/Outdoor air flow (Hi) | | m³/h | 4400/10425 | 4400/10425 |
| Indoor/Outdoor noise level (Hi/Mi/Lo) | | dB(A) | 61/63 | 61/63 |
| Indoor dimension | Unit (WxHxD) | mm | 1200*380*1850 | 1200*380*1850 |
| | Packing (WxHxD) | mm | 1330*450*2020 | 1330*450*2020 |
| Indoor weight | Net | kg | 131 | 131 |
| | Gross | kg | 148 | 148 |
| Refrigerant | | Type | R410A | |
| Refrigerant pipe | Liquid side | mm | 2*9.52 | 2*9.52 |
| | Gas side | mm | 2*19.05 | 2*19.05 |
| Ambient temperature range | Cooling | °C | 21~43 | 21~43 |
| | Heating | °C | -7~24 | / |
| Drainage water pipe diameter | | mm | φ25 | φ25 |
| Operation Control | | | Remote controller | |

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions: Indoor temp: 20° CDB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



10HP one to two cassette



Faults Self diagnosis



Fresh Air



Wide Voltage Operation



Auto Restart



Display On/Off

High efficiency compressor

Using strong power compressor which meets high efficiency , low noise and reliable electrical design



Higher lift water pump

Cassette built-in drain pump ,can lift water upto 1200mm which is convenient for installation and improve the drainage efficiency



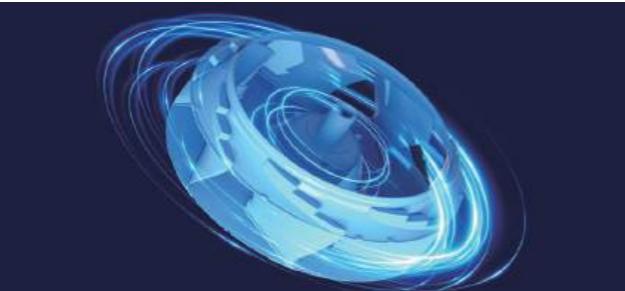
Two operating modes

There are two operating modes , one indoor operate with one fan running and two indoor units operate with two fans running ,which depen on user's requirement.



Low noise design

Low noise design adopts three-dimensional spiral blade technology to reduce air supply resistance, achieve low-noise operation of the entire machine, and enjoy a comfortable life in silence



CASSETTE INDOOR & UNIVERSAL OUTDOOR

| RoHS | REACH



- 3D fan design
- Long life span
- Wide voltage operation
- Multiple protection
- Rapid start
- Energy saving
- Power-down intelligent defrosting
- High reliability
- 3D fan design
- Convenient maintenance
- Wide voltage operation
- Strong cooling & heating
- Comfort
- Timer

| Model No. | | TCB-90CCRA/U3 | |
|-----------------------------------------------------|---------|-----------------------------------------------------------|--------------------------------------------|
| Type | | Cooling only | |
| Control type | | remote controller | |
| Declared cooling capacity | btu/h | 48000+48000 | |
| Declared cooling capacity | W | 14070+14070 | |
| EER | W/W | 2.88 | |
| Indoor sound pressure(Standard rating conditions) | dB(A) | 52 | |
| Outdoor sound pressure (Standard rating conditions) | dB(A) | 63 | |
| Power supply side | | Outdoor | |
| Power supply | | "Indoor: 220~240V~/50Hz/1P Outdoor: 380~415V~/50Hz/3P" | |
| Voltage Range | V | "Indoor :187~253 Outdoor :340~440" | |
| Cooling Operating current | A | 9.57+9.57 | |
| Cooling Power consumption | W | 5035+5035 | |
| Max. powercon sum | W | 5500+5500 | |
| Max.current | A | 10+10 | |
| Connecting Wiring | Indoor | Core x Size | 5*1.5mm ² |
| | Outdoor | | 6*2.5mm ² +6*2.5mm ² |
| Connecting Pipe | Gas | Inches | 3/4"+3/4" |
| | Liquid | Inches | 3/8"+3/8" |
| Max. refrigerant pipe length | m | 50 | |
| Max. difference in level | m | 30 | |
| Ambient temperature range | Indoor | °C | 17~32 |
| | Outdoor | °C | 21~48 |
| Net dimensions (W x H x D) | Indoor | mm | 840x840x290 |
| | Panel | mm | 950x950x45 |
| | Outdoor | mm | 1120×400×1560 |
| Net weight | Indoor | kg | 28 |
| | Panel | kg | 6 |
| | Outdoor | kg | 146 |
| Loading Capacity | 40HQ | set | 31 ODUs+62 IDUs |

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions: Indoor temp: 20° CDB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m (horizontal)

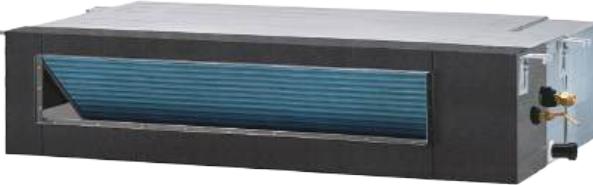
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



SHOPPING MALL / SCHOOL

Duct type and cassette type systems provides appropriate air conditioning for large space with high ceiling and glass-sided without overwhelming the design aesthetic of the interior.



OFFICE / STUDIO

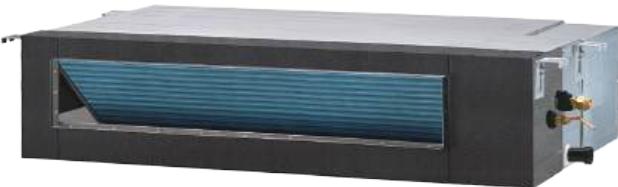
The Cassette and ceiling&floor type brings a whole new level of control and comfort. The large outlet angle can be adjusted to breezeless, wind-avoid, wind-direct mode, catering to different needs in the office.





HOTEL / GUESTHOUSE

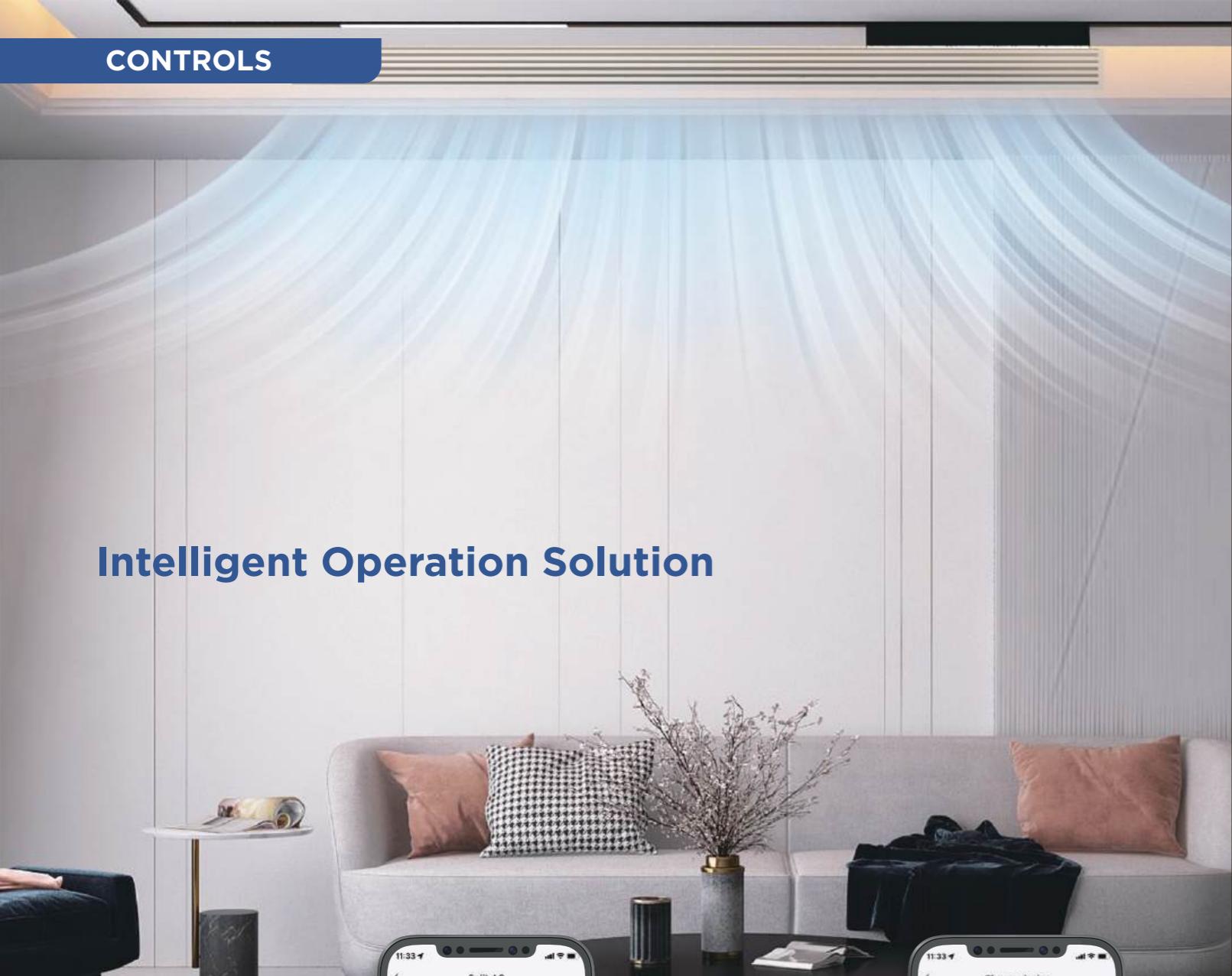
For public place: Middle ESP duct and cassette type single split system are suitable for large spaces with high ceiling like the reception and lobby. For guest room: Low ESP duct performs excellent comfort, energy saving, low noise and easy installation.



VILLA / RESIDENTIAL

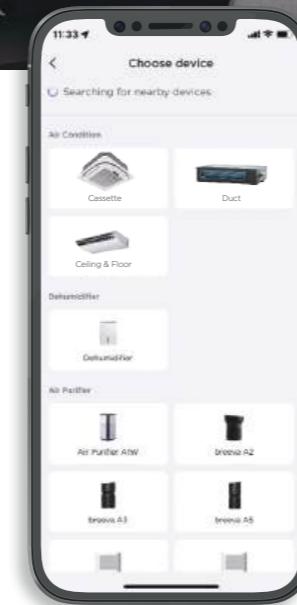
The duct type can match the space capacity and noise requirement, from living room where the whole family relax to small room such as bedroom and children's room





Intelligent Operation Solution

APP control
Applicable models



Centralized control Applicable models

7 inches and colorful screen display, beautiful appearance, touch screen and easy operation. A variety of combinations, single or multiple machines can be operated simultaneously, has the schedule setting and historical fault query function.



Card control

For places in the hotel where an access control system is needed, this function provides an interface, which can cooperate with the hotel room card to operate the air-conditioning system to power on or off with the plugging state of the room card.

When insert the key card, air conditioner will start automatically



CONTROLS



OPTIONAL ACCESSORIES



Optional Solutions



Remote controller
(standard)



360° new panel
(optional)



wired controller
(optional)



Golden fin
(optional)



Centralized controller
(optional)



Healthy filter for
cassette & duct unit
(optional)

WiFi Operation Solution

WiFi control: No matter when and where, you can control and monitor the running status of the air conditioner after we connect the WiFi by our mobile phone