

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](#)

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- Inverter R410A 50hz cooling&heating
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- On/off R410A 50hz cooling only
- On/off R410A 50hz cooling & heating low ambient model
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- 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**

**Smart manufacturing
and global supply chain layout**



Zhongshan factory 1



Zhongshan factory 2



TCL DeLonghi



SKD factory



2022 Indonesia factory



2022 CAC



2021 Electrical factory



Wuhan factory



Jiujiang factory



Compressor factory



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

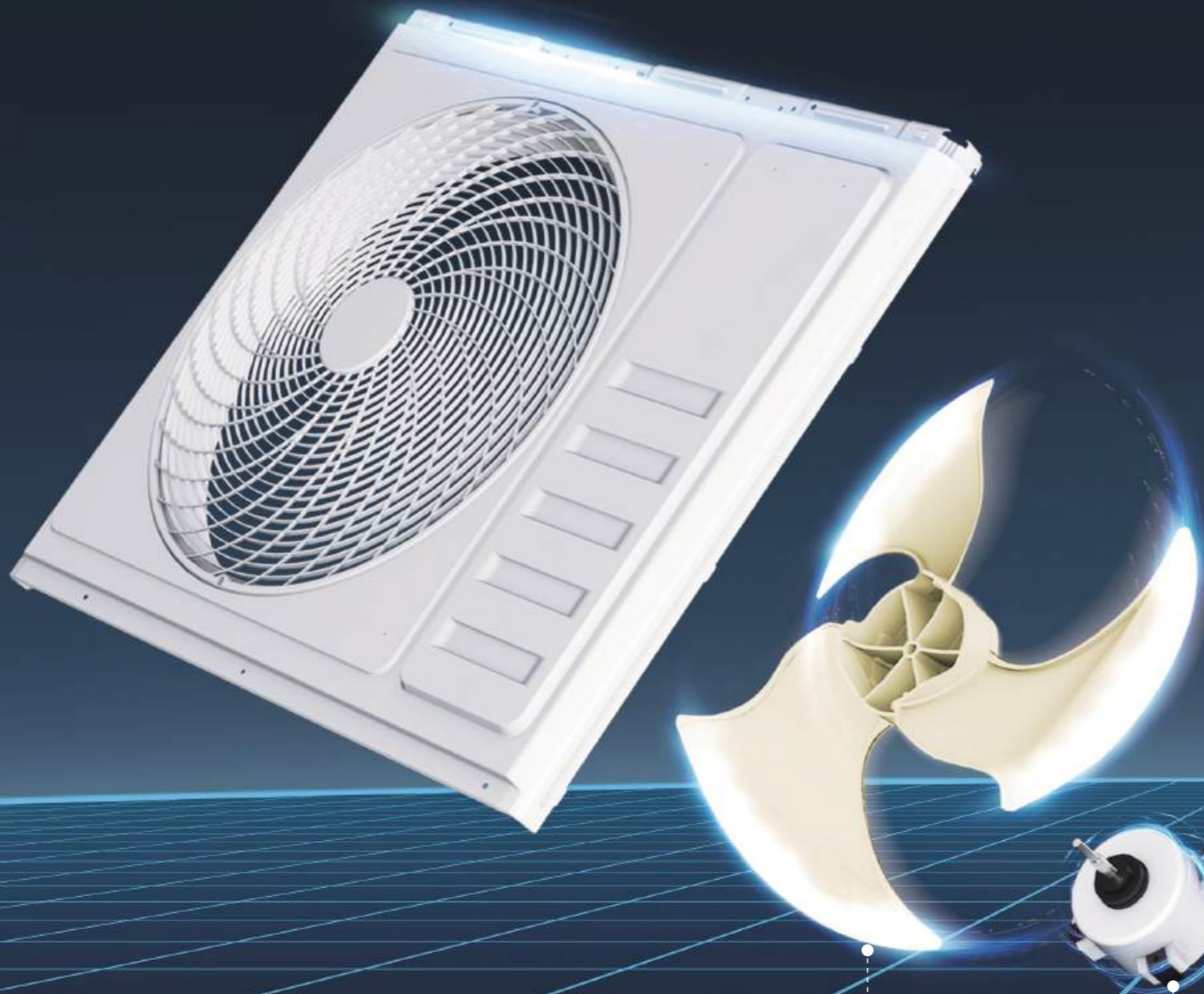
Industry-leading laboratories

- 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



Inverter Technology

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

Bionic fan
Advanced 3D propeller can enlarge the air volume and reduce the noise level.

DC motor

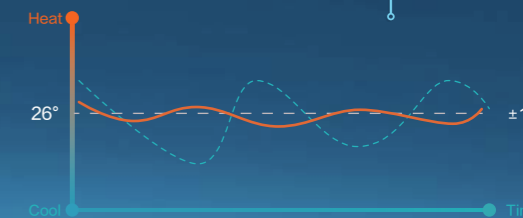
High Efficiency

Thanks for the full DC inverter technology and large heat exchange area, TCL air conditioner can achieve EERs 3.46 in cooling operation and COPs 3.63 in heating operation

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

DC inverter compressor

full DC inverter intelligent control

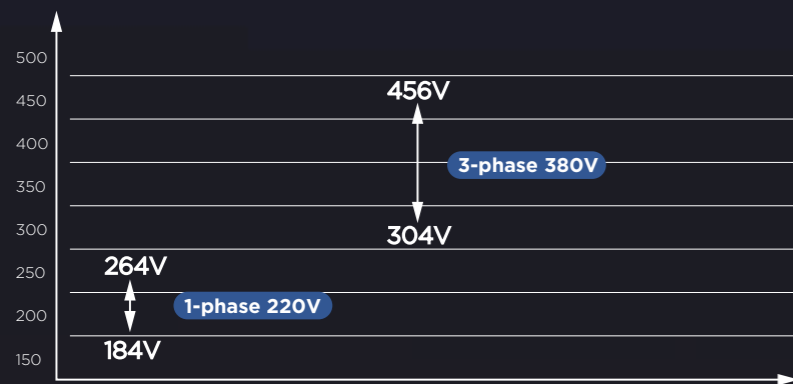


Precise temperature control, the deviation of indoor temperature and set temperature can be accurately controlled within 1°C

Famous 4-way valve brand

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.



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.



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.



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.



Overheating Protection

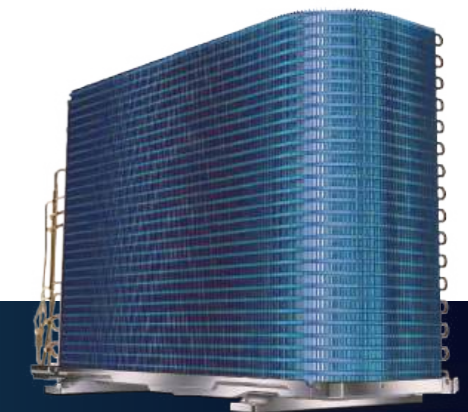
When the current is over the adjustment value, the motor temperature rises, and the motor is cut off during over-current operation to avoid burning of the motor due to overload.



DC Inverter Compressor



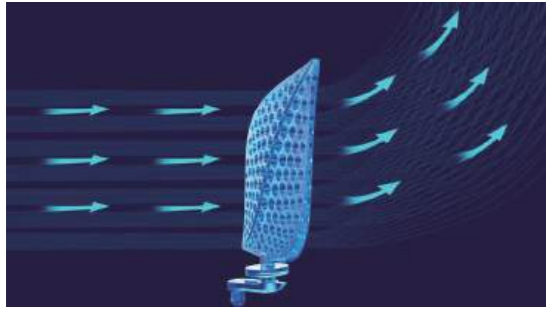
High/Low Pressure Switch



Hydrophilic Aluminum Fin

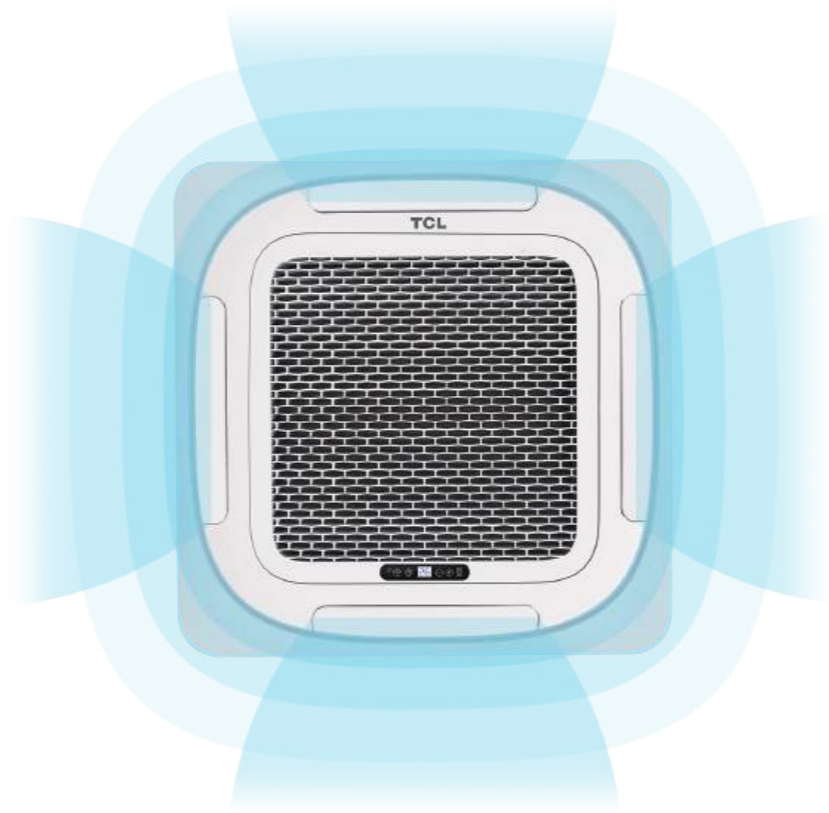
The TCL products use blue hydrophilic aluminum fin. Compared to traditional non-hydrophilic heat exchanger, hydrophilic can be increased by 68% and corrosion resistance by 3 times. The hydrophilic coating improves heat transfer efficiency while protecting the unit from unnecessary wear and corrosion

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

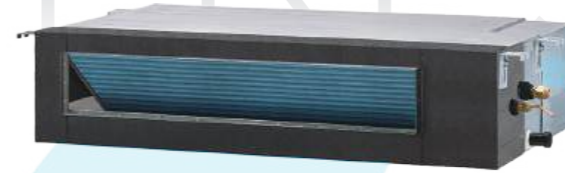
31dB

 <p>40db Library</p>		 <p>60-80db Nightclub</p>		 <p>130db Aircraft noise</p>
	 <p>60-80db Traffic noise</p>		 <p>110db Chainsaws</p>	

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



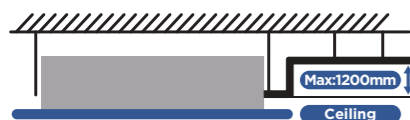
Super Slim Duct Type

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



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



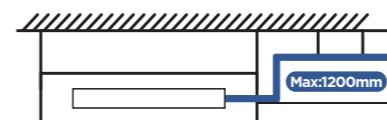
LED digital display

Real-time operating temperature and operation faults are clearly displayed



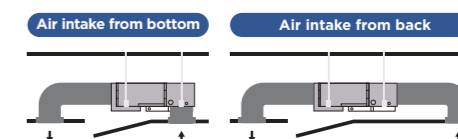
Optional water pump

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



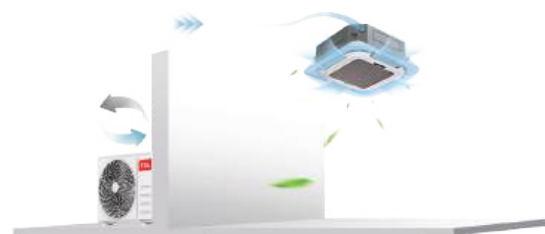
Flexible air intake

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



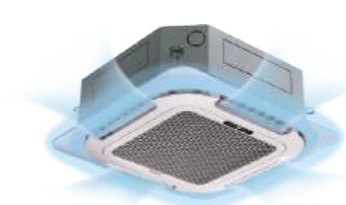
Reserved fresh air interface

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



360°surround air outlet

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



Reserved freshair interface

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



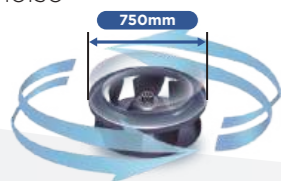
Dual drainage

It is more convenient and flexible in construction and installation



Ultra-low noise design

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



WiFi operation

Connect the device with one click to turn on



Ultra-thin design

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



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



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



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



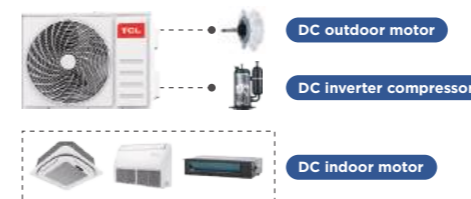
Flexible installation

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



Full DC inverter (applicable models)

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



Universal design

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



Dual drainage

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



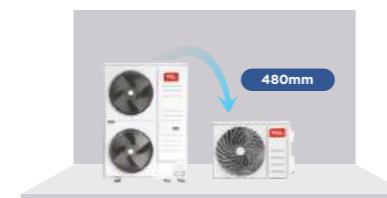
Ultra-thin design

Compact design which fits for various room styles.



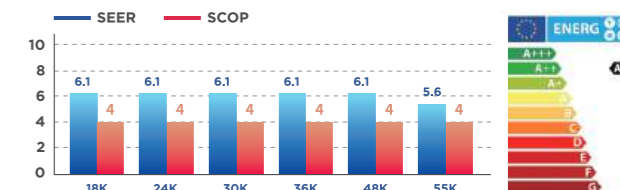
Single blade design (applicable to 36K~60K models)

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



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



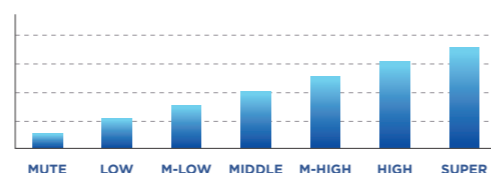
LED display

Two way display panel position option, meet differentiated appearance requirements



Seven gear wind speed (Applicable models of DC motor)

Seven gear wind speed (Applicable models of DC motor)



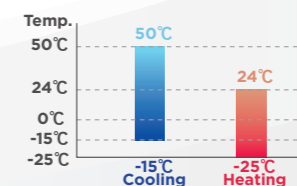
Long pipe length design

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.



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

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	•	•	•
On/Off	R410A 50hz cooling & heating	Cassette	•	•	
		Duct	•	•	
		Ceiling&floor	•	•	
	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			



SUPER SLIM DUCT TYPE



FLOOR STANDING



High ESP DUCT

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



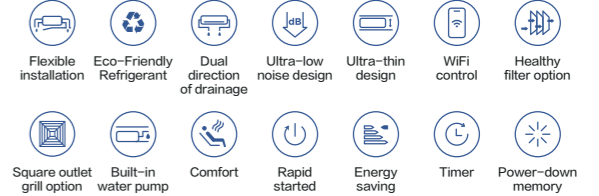
Model		TCD-12CHR/DV(Q8)	TCD-18CHR/DV(Q8)	TCC-18CHR/DV	TCC-24CHR/DV	TCC-30CHR/DV	TCC-36CHR/DV	TCC-42CHR/DV	TCC-48CHR/DV7	TCC-55CHR/DV7	
Declared cooling capacity	W	3780 (620-4900)	5280 (620-5500)	5300 (620-5580)	7030 (2200-7500)	8800 (2230-9380)	10550 (3080-12300)	12100 (3520-13200)	14070 (3520-15830)	16000 (4100-16710)	
Declared heating capacity	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/ML/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 Outdoor: 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"	5/8"
	Liquid	Inches	1/4"	1/4"	1/4"	1/4"	3/8"	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 pipelength	m	30	30	30	30	30	50	50	75	75	
Max. difference in level	m	15	15	15	15	15	25	25	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	Cooling:-15-58/Heating:-25-24									
	Indoor	Cooling:17-32/Heating:0-30									
Net dimensions (W x H x D)	Indoor	mm	570x570x245	570x570x245	840 x 840 x 245	840 x 840 x 245	840 x 840 x 245	840 x 840 x 290	840 x 840 x 290	840 x 840 x 290	840 x 840 x 290
	Outdoor	mm	780 x 605 x 307	780 x 605 x 307	780 x 605 x 307	845 x 700 x 342	845 x 700 x 342	910 x 804 x 378	910 x 804 x 378	1010 x 858 x 436	1010 x 858 x 436
	Panel	mm	650x650x57	650x650x57	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45
Net / Gross weight	Indoor	kg	14/17.5	14.5/18	23/27	24/28	24/28	26/31	26/31	28/33	28/33
	Outdoor	kg	30/32.5	30/32.5	30/33	40/44	41/45	55/60	55/60	77/89	83/95
Packing dimensions (W x H x D)	Indoor	mm	720x660x310	720x720x310	935 x 935 x 305	935 x 935 x 305	935 x 935 x 305	935 x 935 x 350	935 x 935 x 350	935 x 935 x 350	935 x 935 x 350
	Outdoor	mm	890 x 385 x 648	890 x 385 x 648	890 x 648 x 960	960 x 430 x 755	960 x 430 x 755	1022x860x480	1022x860x480	1135x970x530	1135x970x530
Loading Capacity	Indoor	mm	735x735x110	735x735x110	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055 x 1055 x 90	1055 x 1055 x 90
	Panel	mm	735x735x110	735x735x110	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055 x 1055 x 90	1055 x 1055 x 90
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

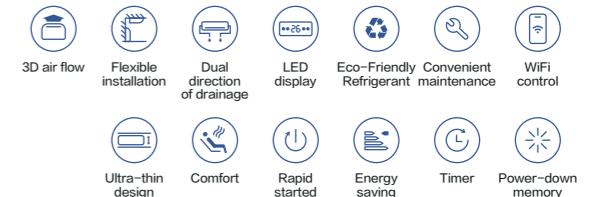


Model		TCC-12D2HWH/DV(02)	TCC-18D2HWH/DV(02)	TCC-24D2HWH/DV(02)	TCC-30D2HWH/DV(02)	TCC-36D2HWH/DV(02)	TCC-42D2HWH/DV(02)	TCC-48D2HWH/DV(02)	TCC-55D2HWH/DV(02)		
Declared cooling capacity	W	3770(600-4860)	5300(620-5580)	7030(2200-7500)	8800 (2230-9380)	10550(3080-12300)	12100(3520-13200)	14070(3520-15530)	16000(4100-17290)		
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)	18170(4400-20520)		
SEER/SCOP declared	W/W	6.1/4.0	6.3/4.0	6.2/4.0	6.2/4.0	6.1/4.0	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+		
Annual energy consumption	Cooling	kwh/a	284	294	402	530	605	643	800	949	
	Average	kwh/a	1475	1505	2075	2510	2902	3210	3900	4203	
Moisture removal	Liters/h	1.5	1.5	2.00	2.60	3.60	4.20	4.80	5.40		
Indoor sound pressure(S/H/ML/Mute)	dB(A)	43/41/39/37/35	43/41/39/37/35	48/45/43/38/36	47/45/44/40/38	52/49/47/45/44	52/50/48/45/43	53/51/49/47/45	53/52/50/48/46		
Indoor sound pressure	dB(A)	41	41	45	45	49	50	51	52		
Outdoor sound pressure	dB(A)	52	52	54	56	57	58	60	58		
Power supply		Indoor: 220-240V~/50Hz/1P , Outdoor: 220-240V~/50Hz/1P									
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor		
Voltage Range	V	176-265									
Cooling Operating current	A	8.2(2.0-13.0)	8.2(2.0-13.0)	10.5(4.0-15.0)	12.1(4.0-16.5)	16.2(1.2-21.0)	19.5(1.28-21.91)	8.4 (2.2-12.0)	11.2(2.6-13.2)		
Heating Operating current	A	8.6(1.8-11.0)	8.6(1.8-11.0)	11.5(4.2-14.0)	12.1(4.2-15.5)	16.2(1.6-17.4)	17.7(1.81-18.71)	8.5(0.5-1.6)	11.0(2.3-13.2)		
Max.current	A	13	13	15	16.5	21	21	12.0	12.0		
Indoor air circulation Cooling/heating	m³/h	700/800	800/900	1350/1550	1600/1800	1900/2000	2200/2200	2300/2300	2300/2500		
Outdoor air circulation	m³/h	2650	2650	3500	4000	5000	5000	5600	6000		
Refrigerant type		R32									
External Static Pressure(Rated)	Pa	25	25	25	37	37	50	50	50		
External Static Pressure(Range)	Pa	0-60	0-60	0-80	0-120	0-120	0-120	0-120	0-120		
Connecting Pipe	Gas	Inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"		
	Liquid	Inches	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		
Max. refrigerant pipe length	m	30	30	30	30	50	50	75	75		
Max. difference in level	m	15	15	15	15	25	25	30	30		
Operation temperature range	°C	16-31	16-31	16-31	16-31	16-31	16-31	16-31	16-31		
Ambient temperature range	Outdoor	Cooling:-15-58/Heating:-25-24									
	Indoor	Cooling:17-32/Heating:0-30									
Net dimensions (W x H x D)	Indoor	mm	920 x 210 x 570	920 x 570 x 210	920 x 570 x 270	1140 x 710 x 270	1140 x 710 x 270	1400 x 720 x 250	1400x720x250	1400x720x250	
	Outdoor	mm	780 x 605 x 307	780 x 605 x 307	845 x 700 x 342	845 x 700 x 342	910 x 804 x 378	910 x 804 x 378	1010 x 858 x 436	1010 x 858 x 436	
	Panel	mm	650x650x57	650x650x57	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45	
Net / Gross weight	Indoor	kg	24/28	24/28	26/31	36/41	36/41	38/43	38/43	38/43	
	Outdoor	kg	30/33	30/33	40/44	41/45	55/60	55/60	77/89	83/95	
Packing dimensions (W x H x D)	Indoor	mm	1120x690x281	1120x690x281	1120x690x341	1341 x 830 x 341	1341 x 830 x 341	1632x827x298	1632x827x298	1632x827x298	
	Outdoor	mm	890 x 385 x 648	890 x 648 x 385	960 x 430 x 755	960 x 430 x 755	1022x860x480	1022x860x480	1135x970x530	1135x970x530	
Loading Capacity	20/40/GQ/40/HQ		63/126/150	63/126/150	49/98/110	41/88/99	30/62/78	34/70/80	28/60/68	26/54/61	

CEILING&FLOOR TYPE INDOOR UNIT



CE | ErP | RoHS | REACH



Model		TCC-12ZHRH/DV(02)	TCC-18ZHRH/DV(02)	TCC-24ZHRH/D (02)	TCC-30ZHRH/DV(02)	TCC-36ZHRH/DV(02)	TCC-42ZHRH/DV(02)	TCC-48ZHRH/DV(02)	TCC-55ZHRH/DV(02)	
Declared cooling capacity	W	3770(600-4860)	5300(620-5580)	7030(2200-7500)	8800 (2230-9380)	10550(3080-12300)	12100(3520-13200)	14070(3520-15240)	16000(4100-16710)	
Declared heating capacity	W	4000(700-5400)	5800(760-6100)	7900(2320-8350)	9380 (2700-9730)	11720(3280-13500)	13500(3810-14950)	16120(4100-17000)	18170(4400-19640)	
SEER/SCOP declared	W/W	6.1/4.0	6.3/4.0	6.2/4.0	6.2/4.0	6.1/4.0	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+	
Indoor sound pressure	dB(A)	44	44	51	51	51	54	52	51	
Outdoor sound pressure	dB(A)	52	52	54	56	57	58	60	58	
Power supply		Indoor: 220-240V~/50Hz/1P , Outdoor: 220-240V~/50Hz/1P								
Cooling Operating current	Indoor	A	7.6(2.0-13.0)	7.6(2.0-13.0)	11.35(4.0-15.0)	12.95(4.0-16.5)	15.8(1.2-21.0)	18.15(1.35-21.6)	7.3 (2.3-11.2)	10.7 (2.5-12.8)
Heating Operating current	Outdoor	A	7.0(1.8-12.0)	7.0(1.8-12.0)	10.5(3.8-14)	12(3.8-15.4)	15.0(0.9-20.1)	17.3 (0.95-20.6)	6.3(1.7-9.8)	9.2(1.9-11.0)
Max.current	A	13	13	15	16.5	21	21	12.0	12.0	
Indoor air circulation Cooling/heating	m³/h	880/950	980/1050	1200/1350	1550/1700	1950/2000	2150/2150	2300/2300	2100/2300	
Outdoor air circulation	m³/h									

INVERTER R410A 50HZ COOLING & HEATING

CASSETTE TYPE INDOOR UNIT



CE | RoHS | REACH

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

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	5270 (1820-5460)	5270 (1820-5460)	7030 (2500-7450)	8800 (3100-9200)	10550 (3680-11000)	14060 (4900-14700)	16120 (5600-16800)
heating capacity	W	5700 (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	2.80/3.20	3.20/3.40	3.00/3.20	2.80/3.20	3.00/3.20
Indoor sound power(H/M/L)	dB(A)	45/42/41	39/38/27	44/41/37	49/47/44	49/47/44	51/48/45	51/48/45
Outdoor sound pressure	dB(A)	57	57	53	57	56	57	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)	8.2(3.0-9.4)
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)	8.1(3.2-9.4)
Max.current	A	12	12	15	17	17	9	10
Refrigerant type		R410A						
Indoor air circulation cooling/heating	m³/h	675	1000	1300	1600	1600	2000	2000
Outdoor air circulation	m³/h	3000	3000	3000	3600	3600	5000	5600
Net dimensions (W x H x D)	Indoor	mm 575×575×260	840×840×245	840×840×245	840×840×245	840×840×245	840×840×290	840×840×290
	Outdoor	mm 780×288×590	780×288×590	780×288×590	845×330×699	910×360×805	910×360×805	1010×410×850
	Panel	mm 650×650×30	950×950×45	950×950×45	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	30/35	30/36
	Outdoor	kg 28/30	28/30	31/33	43/46	47/51	65/70	75/83
	Panel	kg 2.5/4.5	6/9	6/9	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	935×935×305	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	1022×480×835	1135×530×877
	Panel	mm 735×735×130	1035×1035×80	1035×1035×80	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	15.88	15.88
	Liquid	mm 6.35	6.35	6.35	9.52	9.52	9.52	9.52
Max. refrigerant pipe length	m	30	30	30	30	30	50	50
Max. difference in level	m	15	15	15	15	15	30	30
Drainage water pipe dimension		OD32						
Ambient temperature range	Cooling/ Heating	°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.

DUCT TYPE INDOOR UNIT



CE | RoHS | REACH

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

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	3.20/3.40	3.00/3.20	2.80/3.20	3.00/3.20
Indoor sound power(H/M/L)	dB(A)	38/36/35	40/39/36	46/44/40	47/44/40	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	1200×800×300
	Outdoor	mm 780×288×590	780×288×590	845×330×699	910×360×805	910×360×805	1010×410×850
	Panel	mm /	/	/	/	/	/
Net/Gross weight	Indoor	kg 21.5/26.5	22/27	26/31	37/41	44/50	44/51
	Outdoor	kg 28/30	31/33	43/46	47/51	65/70	75/83
Packing dimensions (W x H x D)	Indoor	mm 1115×280×690	1115×280×690	1120×341×690	1341×341×830	1400×920×371	1400×920×371
	Outdoor	mm 890×385×628	890×385×628	960×430×732	1022×480×835	1022×480×835	1135×530×877
	Gas	mm 12.7	12.7	15.88	15.88	15.88	15.88
Connecting Pipe	Liquid	mm 6.35	6.35	9.52	9.52	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		OD25					
Ambient temperature range	Cooling/Heating	°C -15-50/-25-24					

CEILING&FLOOR TYPE INDOOR UNIT



CE | RoHS | REACH

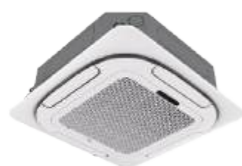
- 3D air flow
- Flexible installation
- Dual direction of drainage
- LED display
- Universal design
- Convenient maintenance
- Wire/Remote control
- Inverter technology
- Comfort
- Rapid started
- Energy saving
- Timer
- Power-down memory

model		TCC-18ZHRA/DV(I)(02)	TCC-24ZHRA/DV(I)(02)	TCC-30ZHRA/DV(I)(02)	TCC-36ZHRA/DV(I)(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	49/43/40	53/50/48	53/50/48	52/49/47	52/49/47
Outdoor sound pressure	dB(A)	57	53	57	56	57	58
Power supply		220-240V~/50Hz/1P				380-415V~/50Hz/3P	
Cooling Operating current	A	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)	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	900	1200	1600	1600	2000	2000
Outdoor air circulation	m³/h	3000	3000	3600	3600	5000	5600
Net dimensions (W x H x D)	Indoor	mm 1055×675×235	1055×675×235	1275×675×235	1275×675×235	1635×675×235	1635×675×235
	Outdoor	mm 780×288×590	780×288×590	845×330×699	910×360×805	910×360×805	1010×410×850
	Panel	mm 24/29	24/29	28/34	28/34	39/43	39/47
Net/Gross weight	Indoor	kg 24/29	24/29	28/34	28/34	39/43	39/47
	Outdoor	kg 28/30	31/33	43/46	47/51	65/70	75/83
Packing dimensions (W x H x D)	Indoor	mm 1130×748×305	1130×748×305	1350×748×305	1350×748×305	1710×748×305	1710×748×305
	Outdoor	mm 890×385×628	890×385×628	960×430×732	1022×480×835	1022×480×835	1135×530×877
	Gas	mm 12.7	12.7	15.88	15.88	15.88	15.88
Connecting Pipe	Liquid	mm 6.35	6.35	9.52	9.52	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		OD25					
Ambient temperature range	Cooling/Heating	°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.

ON/OFF R410A 50HZ COOLING & HEATING

CASSETTE TYPE INDOOR UNIT



CB | RoHS | REACH

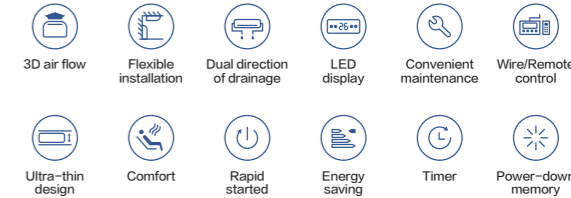


Model name	Cassette Indoor	TCC-18CHRA/UI (Q4)	TCC-18CHRA/UI (Sx)	TCC-24CHRA/UI (01)	TCC-36CHRA/UI	TCC-36CHRA/UI (04)	TCC-48CHRA/UI (04)	TCC-60CHRA/UI (04)	
Power supply	V/Hz/Ph	220-240V~/50Hz/1P							
Cooling	Capacity	Btu/h	18000	18000	24000	36000	36000	48000	55000
	Capacity	W	5175	5200	7000	10500	10500	14000	16119
	Input	W	1683	1732	2050	3850	3723	4636	5694
	Rated current	A	7.65	7.87	8.70	17.00	7.80	9.30	11.00
	EER	W/W	3.07	3.00	3.41	2.73	2.82	3.02	2.83
Heating	Capacity	Btu/h	18000	18000	24000	40000	40000	50000	60500
	Capacity	W	5200	5200	7000	12000	12000	14650	17731
	Input	W	1761	1671	1850	3650	3409	5079	5700
	Rated current	A	8.00	8.60	8.0	16.50	7.20	9.50	11.30
	COP	W/W	3.18	3.53	3.78	3.29	3.52	2.88	3.11
Indoor air flow (Hi/Me/Lo)	m ³ /h	720/680/600	1100/950/880	1250/1100/950	1600/1500/1400	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	45/43/41	47/44/43	
Indoor dimension	Unit (WxHxD)	mm	575 × 260 × 575	830 × 230 × 830	830 × 230 × 830	840 × 245 × 840	840 × 245 × 840	830 × 290 × 830	830 × 290 × 830
	Packing (WxHxD)	mm	725 × 300 × 725	925 × 290 × 925	925 × 290 × 925	935 × 305 × 935	935 × 305 × 935	925 × 360 × 925	925 × 360 × 925
Indoor weight	Gross	kg	19	22	22	26	26	28	28
	Net	kg	22	27	27	30	30	33	33
	Unit (WxHxD)	mm	650 × 30 × 650	950 × 45 × 950	950 × 45 × 950	950 × 45 × 950	950 × 45 × 950	950 × 45 × 950	950 × 45 × 950
Panel	Packing (WxHxD)	mm	690 × 65 × 690	1035 × 80 × 1035	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	6/9
Refrigerant pipe	Liquid side	mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	12.70	15.88	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	10~48	10~48
	Heating	°C				-7~24			

CEILING&FLOOR TYPE INDOOR UNIT



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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	10500	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 air flow (Hi/Me/Lo)	m ³ /h	900/800/700	1200/1050/900	1700/1300/1100	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	45/43/40	52/49/46	52/49/46	
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	23	29	29	40	38
	Gross	kg	29	29	35	35	46	44
	Type		R410A					
Refrigerant pipe	Liquid side	mm	φ 6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	φ 12.7	φ 15.88	φ 15.88	φ 15.88	φ 19.05	φ 19.05
Drainage water pipe diameter	mm	OD25						
Ambient temperature range	Cooling	°C	10~48	10~48	10~48	10~48	10~48	10~48
	Heating	°C					-7~24	

DUCT TYPE INDOOR UNIT



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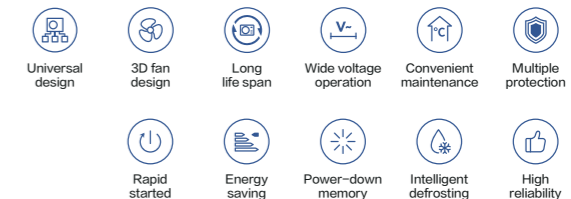


Model name	MESP Duct Indoor	TCC-18D2HRA/UI(01)	TCC-24D2HRA/UI(01)	TCC-36D2HRA/UI	TCC-36D2HRA/UI(04)	TCC-48D2HRA/UI(04)	TCC-60D2HRA/UI(04)	
Power supply	V/Hz/Ph	220-240V~/50Hz/1P						
Cooling	Capacity	Btu/h	18000	24000	36000	36000	48000	55000
	Capacity	W	5200	7000	10500	10500	14000	16119
	Input	W	1761	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 air flow (Hi/Me/Lo)	m ³ /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	
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	28	35	35	43	43
	Gross	kg	27	32	42	42	50	50
Refrigerant	Type	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						
Ambient temperature range	Cooling	°C	10~48	10~48	10~48	10~48	10~48	10~48
	Heating	°C				-7~24		

UNIVERSAL OUTDOOR UNIT



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Model name	Universal Outdoor Unit	TCC-18HA/UO(01)	TCC-24HA/UO(01)	TCC-36HA/U3O(01)	TCC-36HA/U3O(04)	TCC-48HRA/U3O(04)	TCC-60HRA/U3O(04)	
Power supply	V/Hz/Ph	220-240V~/50Hz/1P			380-415V~/50Hz/3P			
Max. input consumption	W	2200	2800	5500	6100	6600	9200	
Max. current	A	11.5	15.0	25.0	11.5	12.8	16.0	
Starting current	A	36.8	50.0	82	66	66.0	80.0	
Max Operating Pressure(MPa)	Discharge	MPa	4.2	4.5	4.2	4.2	4.2	
	Suction	MPa	1.5	1.5	1.5	1.5	1.5	
Outdoor air flow	m ³ /h	2400	4000	4900	4900	6300	6300	
Outdoor noise level	dB(A)	56	54	58	58	60	60	
Outdoor dimension	Unit (WxHxD)	mm	760 × 550 × 250	845 × 700 × 330	910 × 805 × 360	910 × 805 × 360	940 × 1250 × 340	940 × 1250 × 340
	Packing (WxHxD)	mm	863 × 590 × 361	960 × 735 × 430	1030 × 860 × 475	1030 × 860 × 475	1030 × 1365 × 430	1030 × 1365 × 430
Outdoor weight	Net	kg	34	47	59	60	81	91
	Gross	kg	37	50	63	64	90	102
Refrigerant	Type	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
Max. refrigerant pipe length	m	25	30	30	30	50	50	
	Max. difference in level	m	15	15	20	20	30	30
Ambient temperature range	Cooling	°C	10~48	10~48	10~48	10~48	10~48	10~48
	Heating	°C					-7~24	

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.

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.

ON/OFF R410A 50HZ COOLING ONLY

CASSETTE TYPE INDOOR UNIT

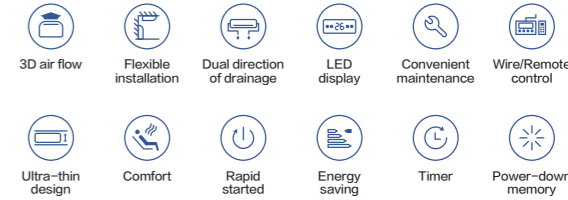
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Model name	Q8 Cassette Indoor	TCC-18CCRA/UI(01)	TCC-24CCRA/UI (02)	TCC-30CCRA/UI(01)	TCC-36CCRA/UI(03)	TCC-48CCRA/UI(03)	TCC-60CCRA/UI(03)		
Power supply		V/Hz/Ph 220-240V~50Hz/1P							
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000	
	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		Type	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		℃	10~48						

CEILING&FLOOR TYPE INDOOR UNIT

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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		Type	R410A						
Refrigerant pipe	Liquid side	mm	φ6.35	9.52	9.52	9.52	9.52	9.52	
	Gas side	mm	φ12.7	φ15.88	φ15.88	φ15.88	φ19.05	φ19.05	
Drainage water pipe diameter		mm	OD25						
Operation temperature range		℃	10~48						

DUCT TYPE INDOOR UNIT

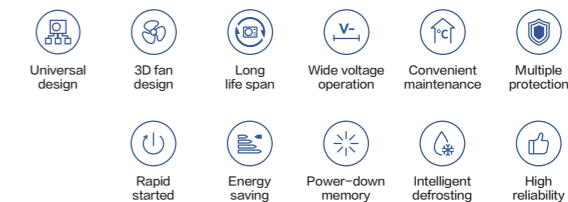
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Model name	MESP Duct Indoor	TCC-18D2CRA/UI(01)	TCC-24D2CWA/UI(02)	TCC-30D2CRA/UI(01)	TCC-36D2CRA/UI(03)	TCC-48D2CRA/UI(03)	TCC-60D2CRA/UI(03)		
Power supply		V/Hz/Ph 220-240V~50Hz/1P							
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000	
	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		Type	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		℃	10~48						

UNIVERSAL OUTDOOR UNIT

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Model name	Universal Outdoor Unit	TCC-18CA/UO(01)	TCC-24CA/UO (02)	TCC-30CA/UO(01)	TCC-36CA/U3O(03)	TCC-48CA/U3O(03)	TCC-60CA/U3O(03)		
Power supply		V/Hz/Ph 380-415V~50Hz/3P							
Max. input consumption		W	2200	3400	3800	4500	6000	8000	
Max. current		A	10.0	15.0	18.0	9.5	10.8	14.3	
Starting current		A	36.0	48.0	60.0	36	62.0	69.0	
Max Operating Pressure(MPa)	Discharge	MPa	4.5	4.5	4.5	4.5	4.5	4.5	
	Suction	MPa	1.5	1.5	1.5	1.5	1.5	1.5	
Outdoor air flow		m3/h	2100	4000	4000	4900	6300	6300	
Outdoor noise level		dB(A)	48	55	56	58	60	60	
Outdoor dimension	Unit (WxHxD)	mm	760 × 540 × 260	845 × 700 × 330	845 × 700 × 330	910 × 805 × 360	940 × 1250 × 340	940 × 1250 × 340	
	Packing (WxHxD)	mm	863 × 590 × 361	960 × 735 × 430	960 × 735 × 430	1030 × 860 × 475	1040 × 1362 × 430	1040 × 1362 × 430	
Outdoor weight	Net	kg	32	43	47	57	74	84	
	Gross	kg	35	47	50	61	84	94	
Refrigerant		Type	R410A						
Throttle type			Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	
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	
Refrigerant pipe	Max. refrigerant pipe length	m	25	30	30	30	30	30	
	Max. difference in level	m	15	15	15	20	30	30	
Ambient temperature range	Cooling	℃	10~48						
	Heating	℃	/						

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.

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.

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

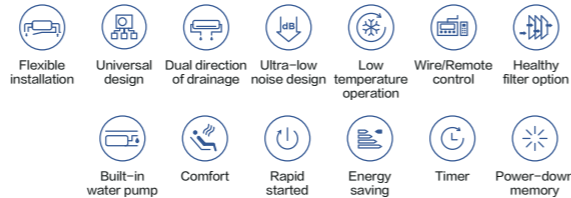
CASSETTE TYPE INDOOR UNIT



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Model name	Q8 Cassette Indoor	TCC-18CHRA/UI(Q4)(03)	TCC-18CHRA/UI(03)	TCC-24CHRA/UI(03)	TCC-36CHRA/UI(05)	TCC-48CHRA/UI(03)	TCC-60CHRA/UI(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)		m ³ /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
	Net/Gross	kg	2.5/4.5	6/9	6/9	6/9	6/9	6/9
Refrigerant pipe	Liquid side	mm	6.35	6.35	9.52	9.52	9.52	9.52
	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	-15~48					
	Heating	°C	-15~24					

DUCT TYPE INDOOR UNIT



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Model name	MESP Duct Indoor	TCC-18D2HRA/UI(03)	TCC-24D2HRA/UI(03)	TCC-36D2HRA/UI(05)	TCC-48D2HRA/UI(03)	TCC-60D2HRA/UI(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)		m ³ /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					

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.

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	50000	60500	
	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)		m ³ /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	φ 6.35	9.52	9.52	9.52	9.52	
	Gas side	mm	φ 12.7	φ 15.88	φ 15.88	φ 19.05	φ 19.05	
Drainage water pipe diameter		mm	OD25					
Ambient temperature range	Cooling	°C	-15~48					
	Heating	°C	-15~24					

UNIVERSAL OUTDOOR UNIT



CB | RoHS | REACH

Model name	Universal Outdoor Unit	TCC-18HRA/VO-L(02)	TCC-24HRA/VO-L(02)	TCC-36HA/U3O-L(05)	TCC-48HA/U3O-L(03)	TCC-60HA/U3O-L(03)	
Power supply		V/Hz/Ph	220-240V~/50Hz/1P		380-415V~/50Hz/3P		
Max. input consumption		W	2200	2800	6100	6600	9200
Max. current		A	11.5	15.0	11.5	12.8	16.0
Starting current		A	36.8	50.0	66	66.0	80.0
Max Operating Pressure(MPa)	Discharge	MPa	4.2	4.5	4.2	4.2	4.2
	Suction	MPa	1.5	1.5	1.5	1.5	1.5
Outdoor air flow		m ³ /h	2400	4000	4900	6300	6300
Outdoor noise level		dB(A)	56	54	58	60	60
Outdoor dimension	Unit (WxHxD)	mm	780 × 590 × 288	845 × 700 × 330	910 × 805 × 360	940 × 1250 × 340	940 × 1250 × 340
	Packing (WxHxD)	mm	890 × 628 × 385	960 × 735 × 430	1030 × 860 × 475	1030 × 1365 × 430	1030 × 1365 × 430
Outdoor weight	Net	kg	34.5	47	60	81	91
	Gross	kg	38.5	50	64	90	102
Refrigerant		Type	R410A				
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
Refrigerant pipe	Max. refrigerant pipe length	m	25	30	30	50	50
	Max. difference in level	m	15	15	20	30	30
Ambient temperature range	Cooling	°C	-15~48				
	Heating	°C	-15~24				

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.

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

CASSETTE TYPE INDOOR UNIT



CB | RoHS | REACH | ESMA | PAI



Model name	Cassette Indoor	TCC-18CCRA/UT1-(C4)	TCC-24CCRA/UT1-(C4)	TCC-30CCRA/UT1-(C4)	TCC-36CCRA/UT1-(01)(C4)	TCC-48CCRA/UT3TI-(C4)	
Power supply		V/Ph/Hz		220-240V/1Ph/50Hz			
Cooling	Capacity	Btu/h	18000	23600	28500	42200	
	Capacity	W	5272	6915	8350	12364	
	Input	W	1520	1940	2370	3645	
	Rated current	A	6.7	8.5	10.4	11.9	
	EER	(Btu/h)/W	11.842	12.165	12.025	11.964	11.578
Cooling(T3)	Capacity	Btu/h	15600	20300	24600	36700	
	Capacity	W	4570	5945	7210	10753	
	Input	W	1820	2330	2840	4390	
	Rated current	A	8.0	10.7	13.1	13.9	
	EER	(Btu/h)/W	8.571	8.712	8.662	8.711	8.360
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	830 × 830 × 290
	Packing (WxDxH)	mm	925 × 925 × 285	925 × 925 × 285	925 × 925 × 355	925 × 925 × 355	925 × 925 × 355
Indoor weight	Net	kg	24	24	29.5	29.5	31
	Gross	kg	27	27	34	34	35
Panel	Unit (WxDxH)	mm	950 × 45 × 950	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	1035 × 90 × 1035
Refrigerant pipe	Net/Gross	kg	6/9	6/9	6/9	6/9	6/9
	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	/	/	/	/	/
Operation temperature range		°C	16~55				

DUCT TYPE INDOOR UNIT



CB | RoHS | REACH | ESMA | PAI



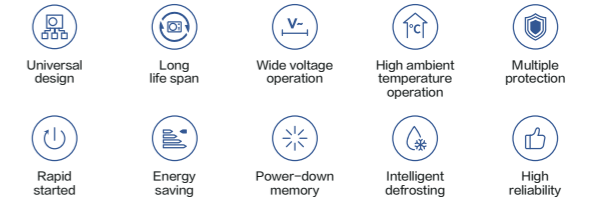
Model name	MESP Duct Indoor	TCA-18D2CWA/UT1-(C4)	TCA-24D2CWA/UT1-(C4)	TCA-30D2CWA/UT1-(C4)	TCA-36D2CWA/UT1-(01)(C4)	TCA-48D2CWA/UT3TI-(C4)	TCA-55D1CWA/UT3TI-(C4)	
Power supply		V/Ph/Hz		220-240V/1Ph/50Hz				
Cooling(T1)	Capacity	Btu/h	18000	22500	28700	33500	44800	
	Capacity	W	5275	6595	8410	9820	13125	
	Input	W	1533	1916	2400	2850	3860	
	Rated current	A	6.7	8.2	10.5	12.4	17.1	
	EER	(Btu/h)/W	11.742	11.743	11.958	11.754	11.606	
Cooling(T3)	Capacity	Btu/h	15700	19400	24800	29100	40000	
	Capacity	W	4460	5685	7270	8530	11720	
	Input	W	1850	2290	2910	3400	4650	
	Rated current	A	8.1	9.9	12.5	14.8	19.9	
	EER	(Btu/h)/W	8.486	8.472	8.522	8.559	8.602	
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	
Indoor noise level (Hi/Me/Lo)		dB(A)	43/40/38	47/43/41	47/43/41	50/47/45	51/49/47	
Indoor dimension	Unit (WxDxH)	mm	920 × 610 × 270	920 × 610 × 270	1200 × 840 × 300	1200 × 840 × 300	1200 × 840 × 300	
	Packing (WxDxH)	mm	1120 × 690 × 340	1120 × 690 × 340	1400 × 920 × 371	1400 × 920 × 371	1400 × 920 × 371	
Indoor weight	Net	kg	26	26	46	45	46	
	Gross	kg	31	31	51	50	51	
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



Model name	Universal Outdoor Unit	TCA-18CA/UTO-(C4)	TCA-24CA/UTO-(C4)	TCA-30CA/UTO-(C4)	TCA-36CA/UTO-(01)(C4)	TCA-48CA/UT3TO-(C4)	TCA-55CA/UT3TO-(C4)
Power supply		V/Ph/Hz	220-240V/1Ph/50Hz			380-415V/3Ph/50Hz	
Max. input consumption		W	2260	2726	3360	3940	5350
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		m3/h	2500	4000	4000	4000	6500
Outdoor noise level		dB(A)	54	57	57	60	59
Outdoor dimension	Unit (WxDxH)	mm	900 × 650 × 315	900 × 805 × 360	900 × 805 × 360	940 × 910 × 340	940 × 1250 × 340
	Packing (WxDxH)	mm	1015 × 720 × 425	1020 × 860 × 475	1020 × 860 × 475	1040 × 1040 × 430	1060 × 1380 × 430
Outdoor weight	Net	kg	46	55	61	72	97.5
	Gross	kg	50	59	65	79	107
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
Max. refrigerant pipe length		m	25	25	30	30	50
Max. difference in level		m	15	15	20	20	30
Ambient temperature range	Cooling	°C	16~55				
	Heating	°C	/				

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.

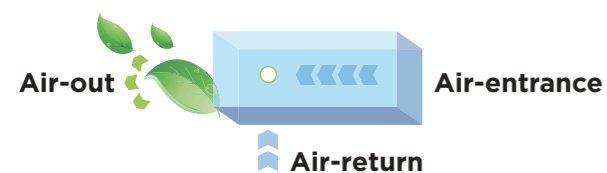
High Static Pressure Duct

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.



High Static Pressure Design To Meet Various Space Requirements

Long distance air flow with a high pressure static from 100-196Pa.

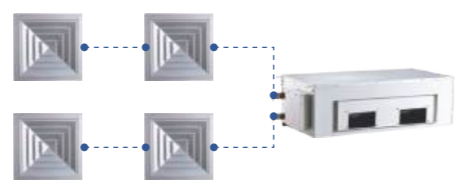
Long-shaped room



L-shaped room



Big room



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.



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/Me/Lo)		dB(A)	58/56/53	68
Indoor/Outdoor air flow (Hi/Me/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	
Refrigerant pipe	Liquid side	mm	2*9.52	2*9.52
	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° 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.

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.



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.



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.



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



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	/
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/Me/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	℃	21~43	21~43
	Heating	℃	-7~24	/
Drainage water pipe diameter		mm	φ 25	φ 25
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



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.



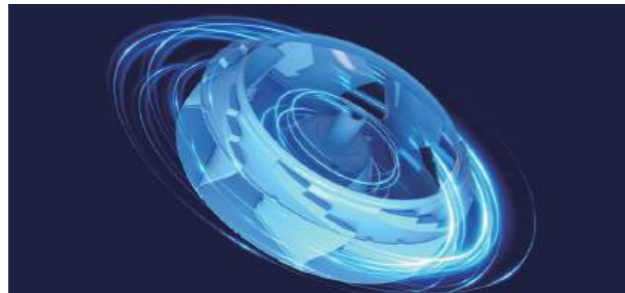
Higher lift water pump

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



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

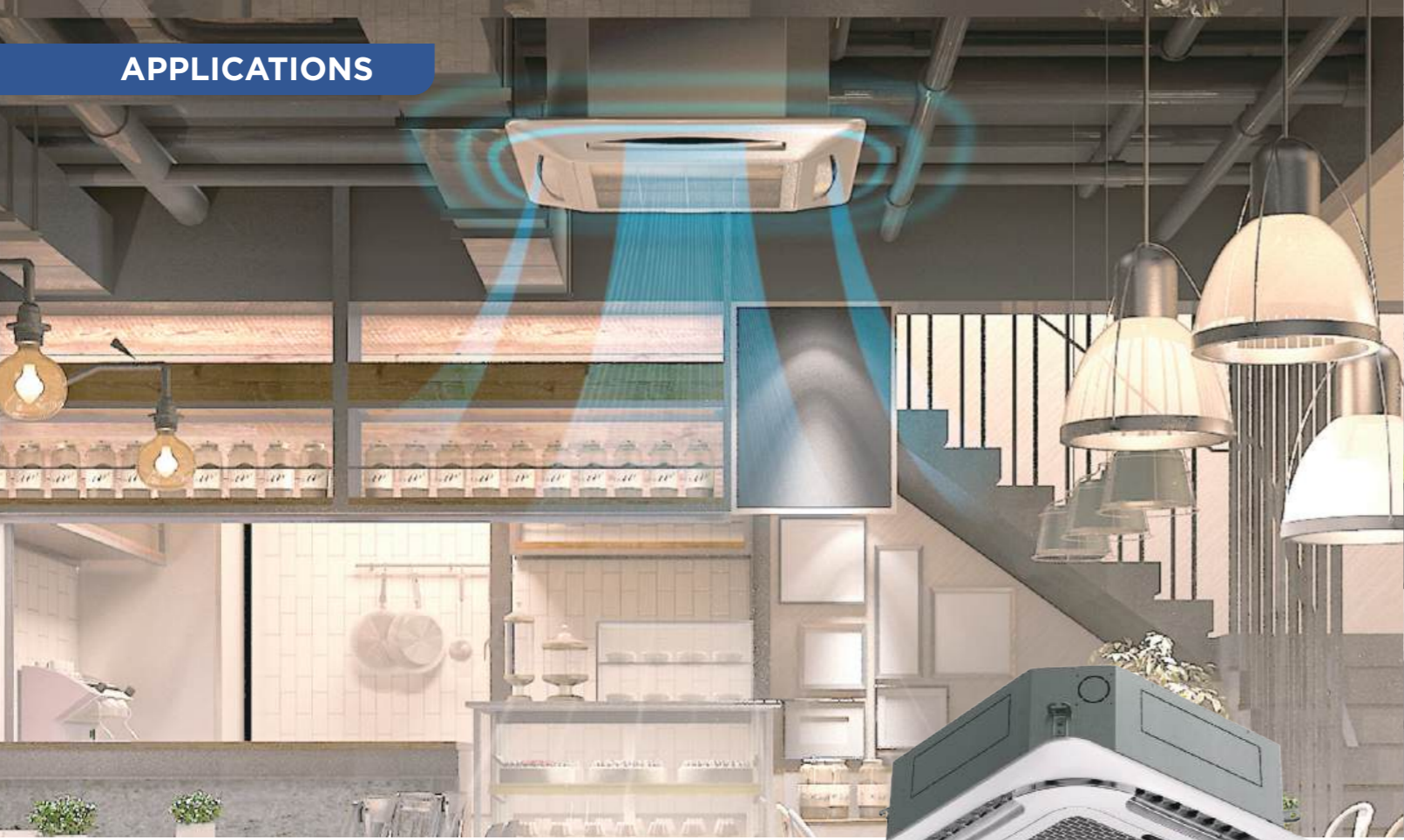
RoHS REACH



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

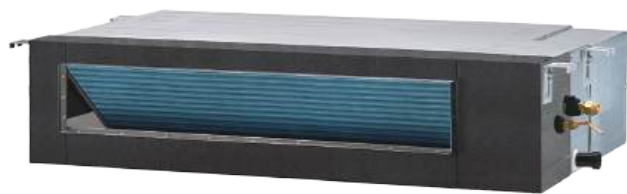
Model No.		TCB-90CCRA/U3	
Type		Cooling only	
Control type		remote controller	
Declared cooling capacity	btu/h	48000+48000	
Declared cooling capacity	W	14070+14070	
EER	W/W	2.88	
Indoor sound pressure(Standard rating conditions)	dB(A)	52	
Outdoor sound pressure (Standard rating conditions)	dB(A)	63	
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. power consumption	W	5500+5500	
Max.current	A	10+10	
Connecting Wiring	Indoor	Core x Size	5*1.5mm ²
	Outdoor		
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 x 400 x 1560
Net weight	Indoor	kg	28
	Panel	kg	6
	Outdoor	kg	146
Loading Capacity	40HQ	set	31 ODU+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

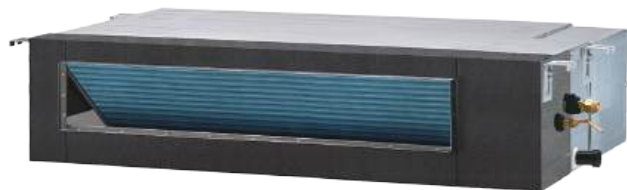
The Cassette and ceiling&floor type brings a whole new level of control and comfort. The large outlet angle can be adjusted to breezeless, wind-avoid, wind-direct mode, catering to different needs in the office.





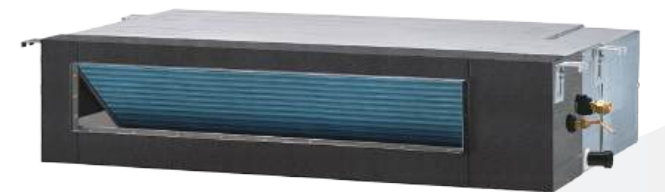
HOTEL / GUESTHOUSE

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



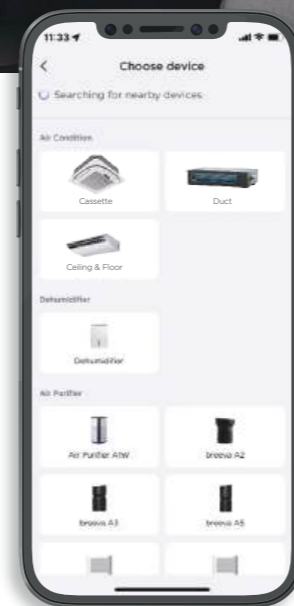
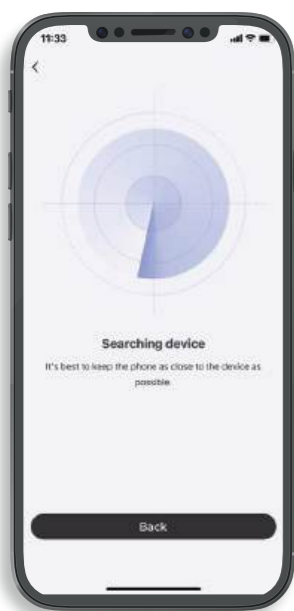
Intelligent Operation Solution



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.

APP control Applicable models



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





Optional Solutions

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



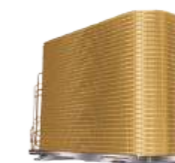
Remote controller (standard)



360° new panel (optional)



wired controller (optional)



Golden fin (optional)



Centralized controller (optional)



Healthy filter for cassette & duct unit (optional)