

TCL

GD TCL INTELLIGENT HEATING & VENTILATING EQUIPMENT CO.,LTD.
Address: No.7 Yuanlin Road, Nantou, Zhongshan, Guangdong, PR China
Web : cac.tcl.com E- mail : hvac@tcl.com

 TCL CAC  TCL CAC  TCL CAC  HVAC-TCL  TCL- CAC











TCL

R32 All DC Inverter Air Conditioner

D1 Series Duct / Cassette / Floor & Ceiling Light Commercial AC



- | | | | |
|---|--|--|---|
|  Slim size 245mm |  Ceiling & Flooring |  Fresh air |  Snow blowing |
|  High ESP up to 200 Pa |  Multi-split |  WiFi App/OTA |  Airzone Solutions |

Catalogue

02-03

Introduction Of
TCL CAC



04-05

New R32 Air Conditioner
Features



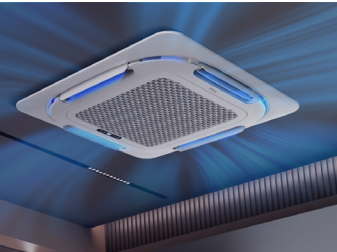
06-09

D1 series High Static
Pressure Duct Units



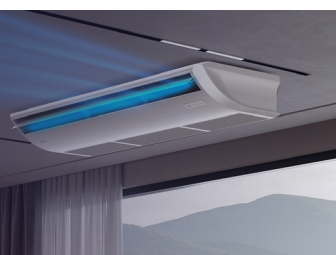
10-11

360° Air
Outlet Cassette



12-13

Floor & Ceiling
Type



14-15

Intelligent
Control



16-20

Product
Parameters



The Creative Life

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



30 million sets/year at 11 global production sites

11
Manufacturing
Centers

30M
2023 Annual
Production Capacity

Brazil factory

Jiujiang Jiangxi

Huizhou
Guangdong

Wuhan
factory

TCL

Zhongshan
factory 1/2

Zhongshan
SKD factory

Zhongshan
electrical factory

Zhongshan
DeLonghi

**The greater bay
area hinterland**



Indonesia
factory

Introduction Of TCL CAC

TCL Industry is a smart terminal business group that focus on building a full-scenario smart AI x IoT strategy, creating all smart product categories such as TV & air conditioners, platform support and eco-system service businesses.

TCL Air-conditioner is belong to TCL Industry, which is one of the core industries of TCL Groups.


TCL CAC 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. 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 serviceability, 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.


Smart Production Technology



 Facility Size
50 acres

 Annual Output Value:
¥5.8 billion


 Digital Production
Lines: **9**

 Capacity
3,000,000 Sets per year

Strong R&D Capabilities



 R&D Personnel:
300+

 Proprietary Intellectual
Property: **233 patents**

 Advanced
Labs: **16**

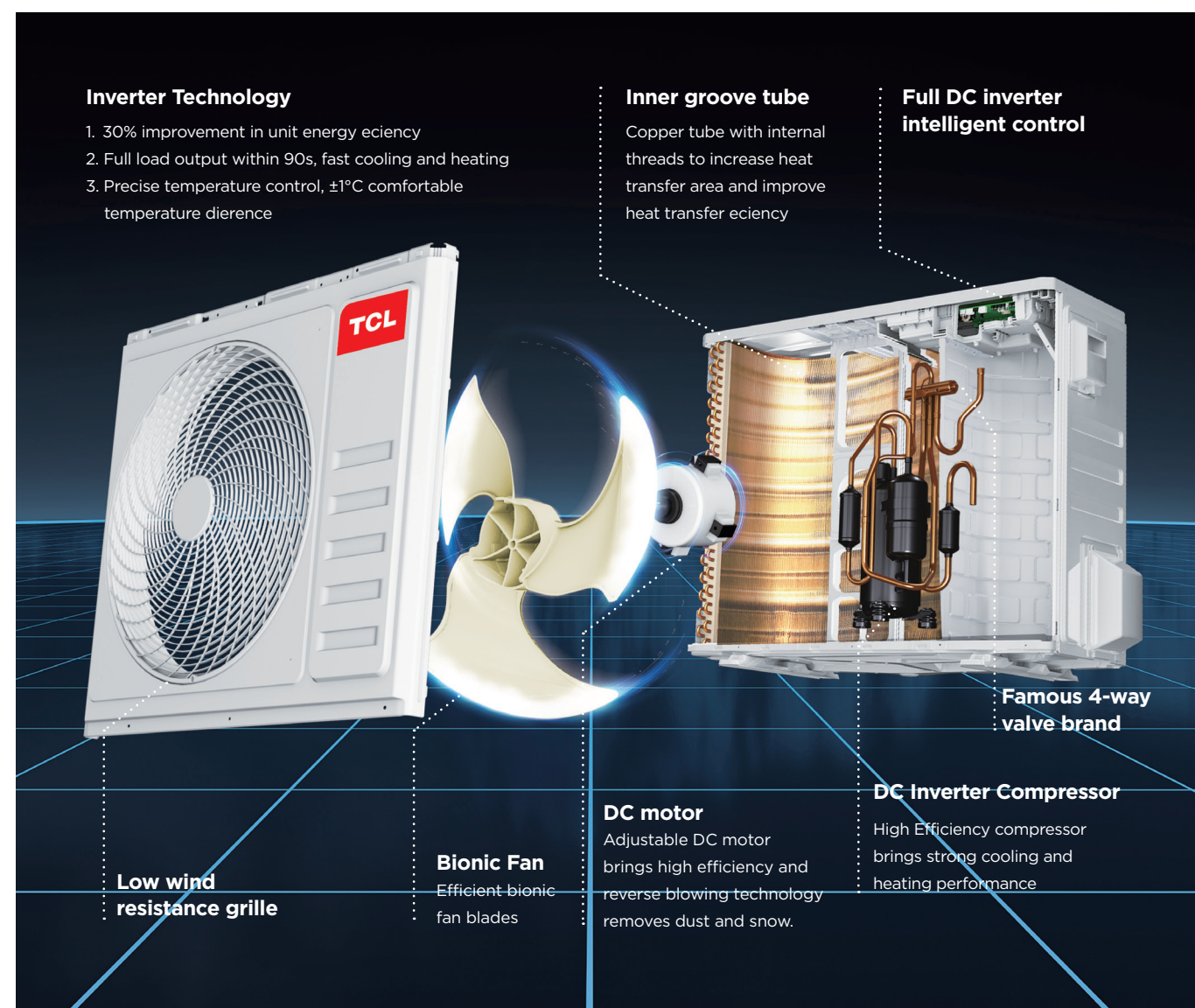
 Annual R&D Investment:
Over 300 million yuan for 3 years

NEW R32 AIR CONDITIONER FEATURES



Full DC Inverter

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



High efficiency

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



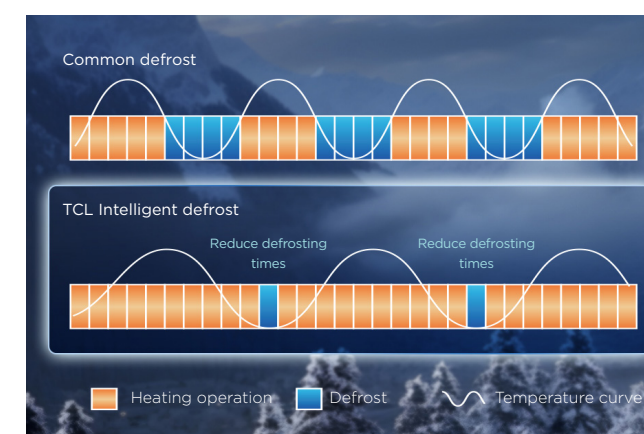
Ambient Temperature Cooling

Stable operation at 58°C ambient temperature. Enhanced stability of system. Fearless of various adverse weather.



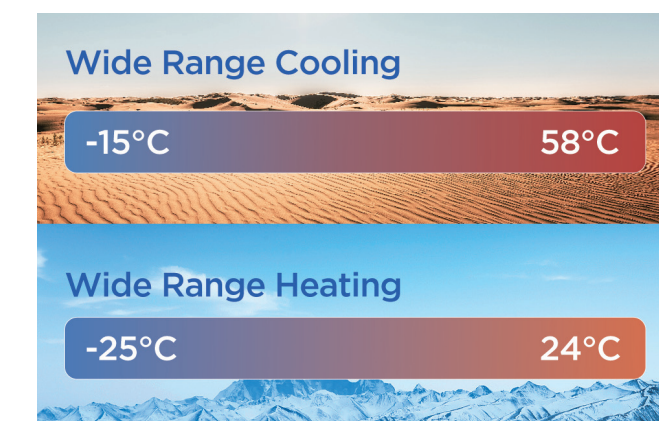
Smart Defrosting

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



Ambient temperature range

Cooling and heating steadily from -25 to 58°C . Meet various of working conditions and scenarios.



Snow blowing

Outdoor unit fan will blow in opposite during the winter to avoid snow accumulated on fins.

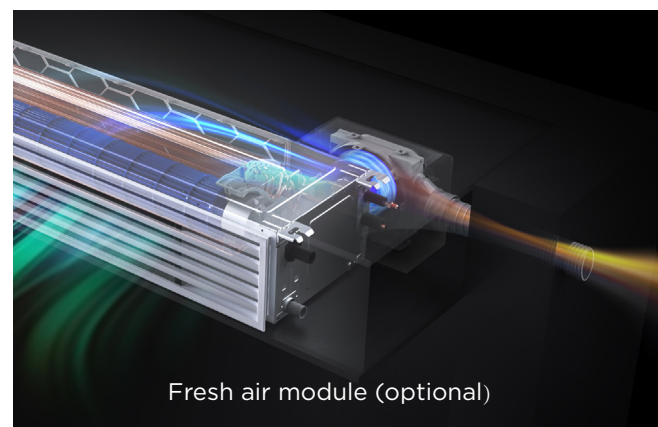


D1 series High Static Pressure Duct Units

Health

Fresh air

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



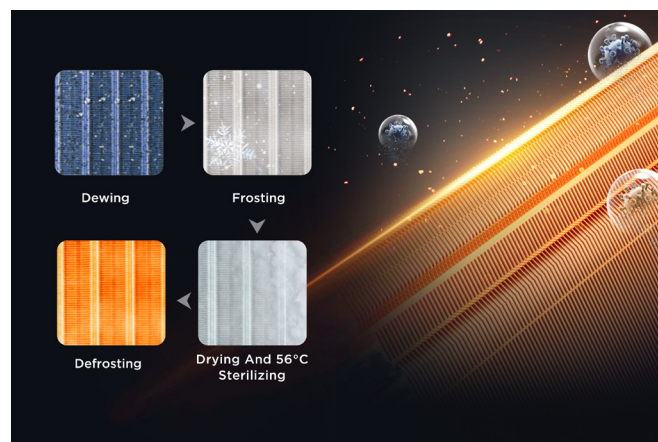
Fresh air module (optional)



Knock-off hole for fresh air

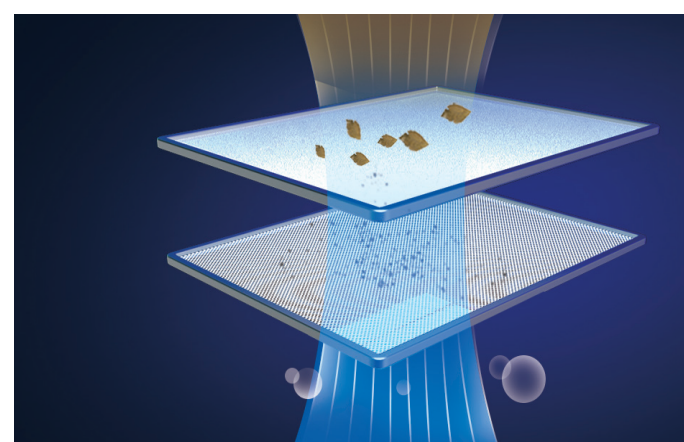
56°C Evaporator Self-cleaning

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



Health Filter(Optional)

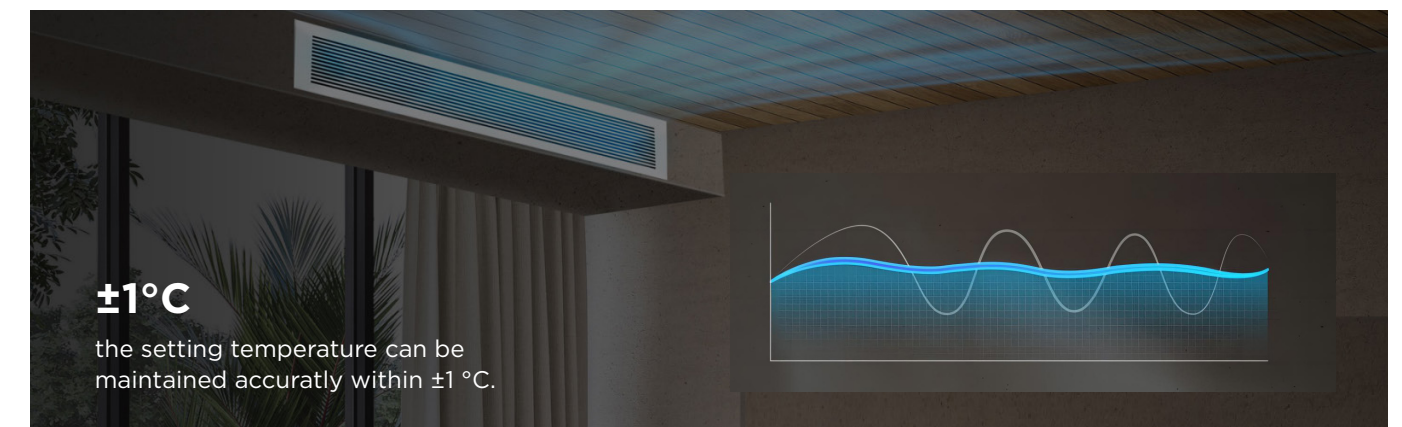
The filter panel full of silver ions and activated carbon will help you filter out most harmful bacteria and ensure the health of indoor air.



Comfortable

Precise temperature control

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



$\pm 1^\circ\text{C}$

the setting temperature can be maintained accurately within $\pm 1^\circ\text{C}$.

7 Fan Speed Adjustable

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



Low noise

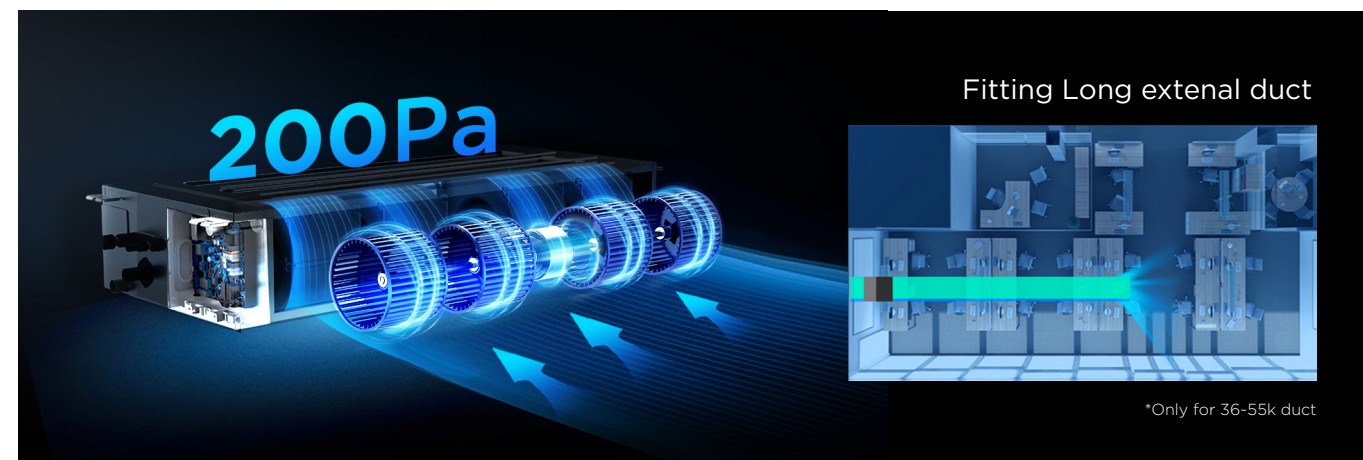
High efficiency DC fan motor and optimized air duct design realizes quiet operation, mute mode 18k operating noise 31dB*.



Flexible installation

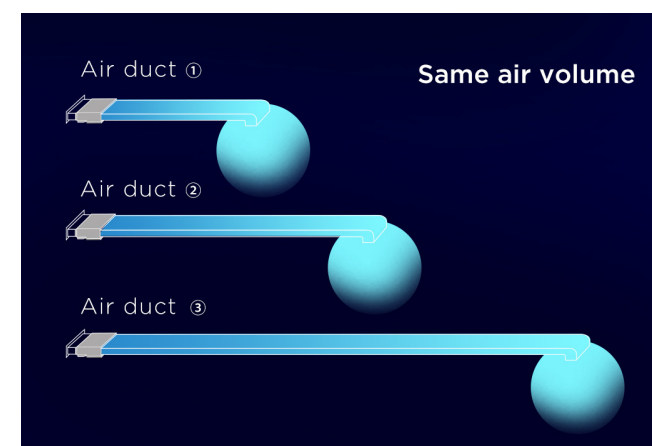
High ESP

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



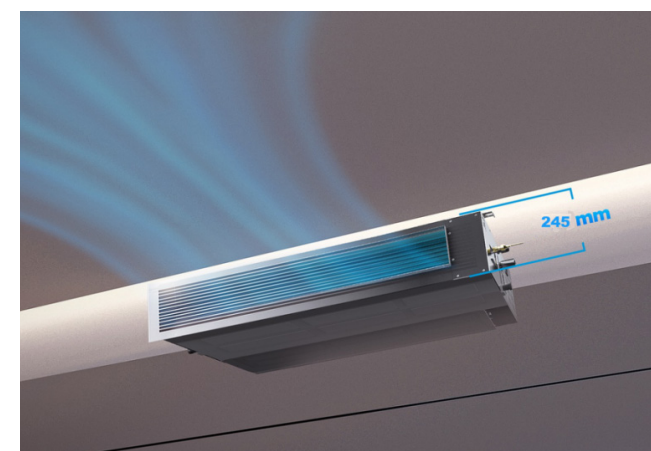
Constant air volume

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



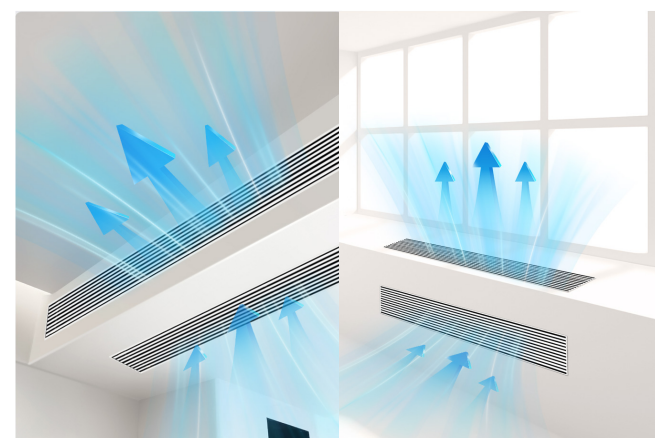
Slim Body 245mm

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



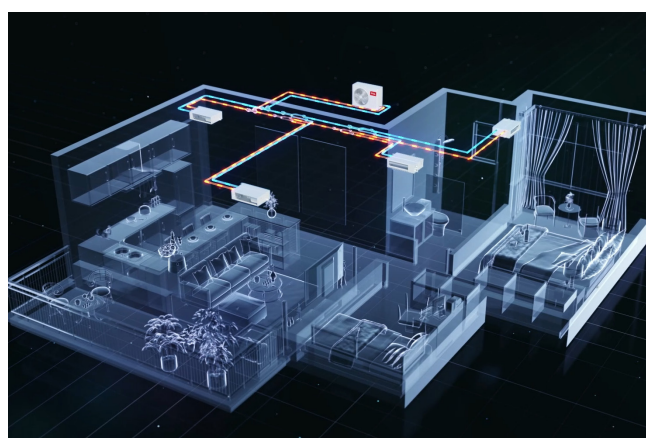
Ceiling & Floor installation

Support both ceiling concealed and floor concealed installation.



Multi-split

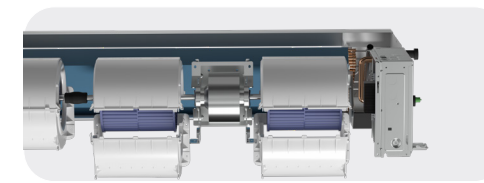
Connect 2-4 IDU, all indoor units ON/OFF at the same time.



Easy Maintenance

Disassemble motor easily

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



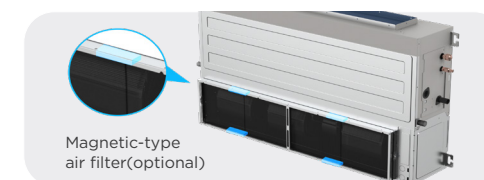
Fire-prove control box

The control board panel is easy to disassemble with only 2 screws. The electric control box could be take out entirely for inspection.



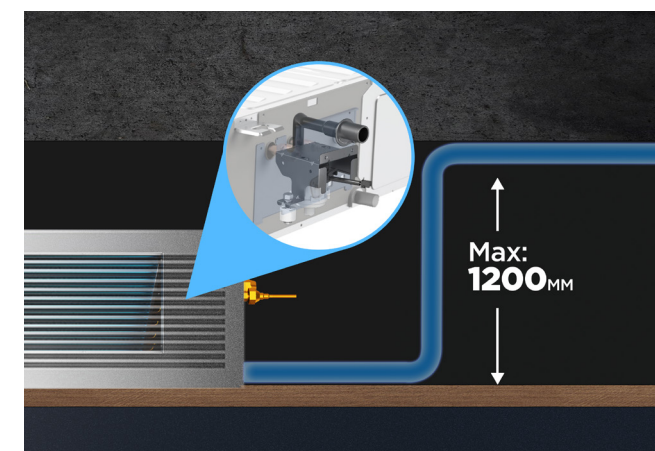
Replace filter easily

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



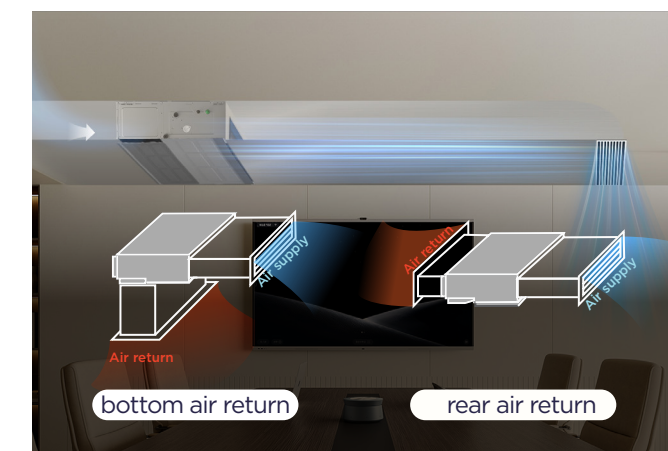
High efficiency water pump (optional)

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



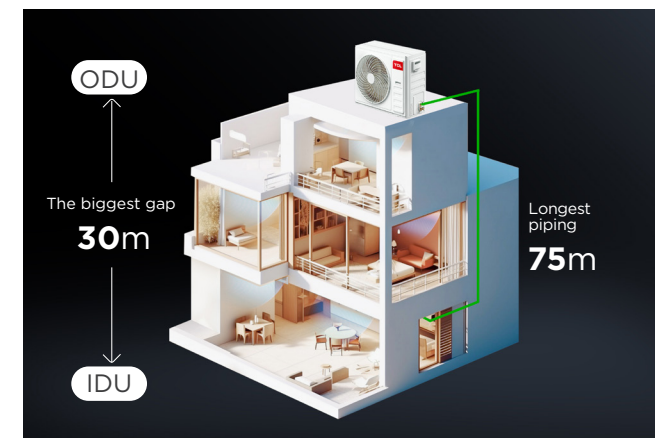
2 Air Return for Option

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



Long Piping Length

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



Refrigerant Recovery

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

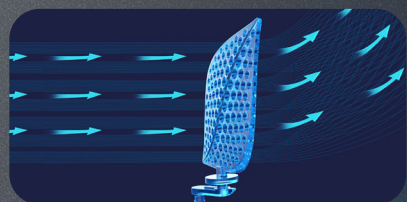


360° Air Outlet Cassette



Comfortable

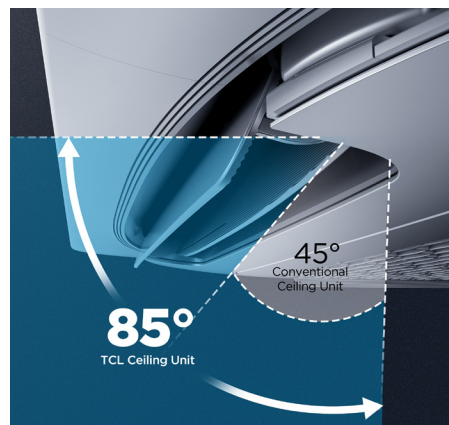
Soft wind panel (optional)



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



Wide range of swing angle



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



When cooling, let cool air drop from the sky.



When heating, let warm air rise from the ground.

Comfortable

Low noise design

TCL products through the reasonable air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise, which can be as low as 32dB(A)*.



3D fan blade selection

*For 18k cassette



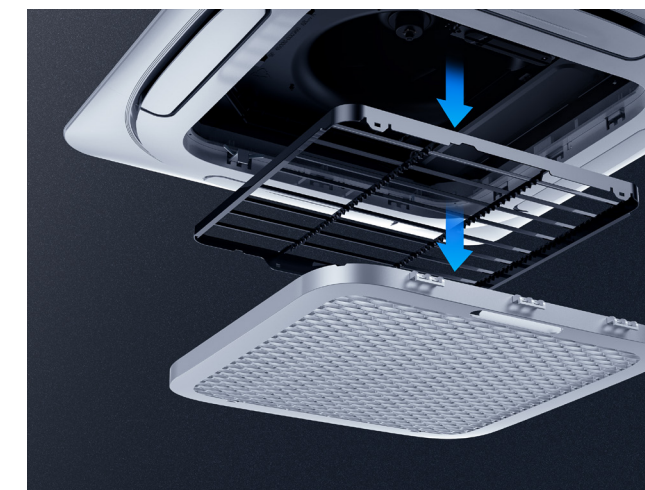
Fresh air

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



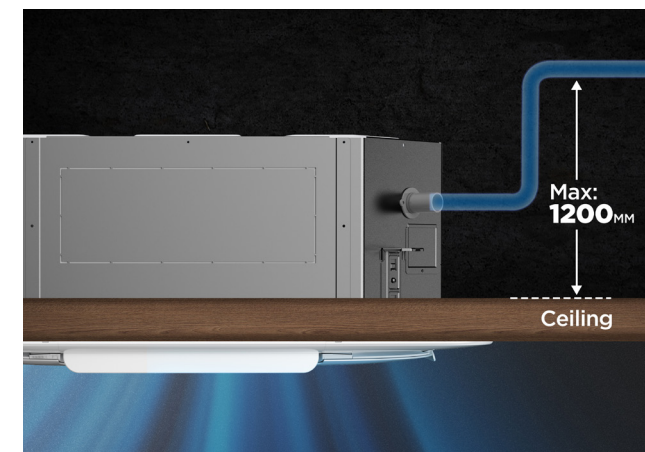
Easy to Clean filter

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



1200mm water pump lift

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



Water-full protection

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



Floor & Ceiling Type

Flexible Installation

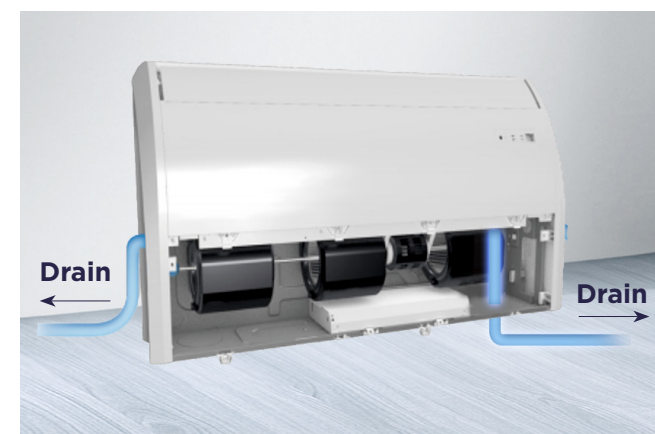
Floor & Ceiling

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



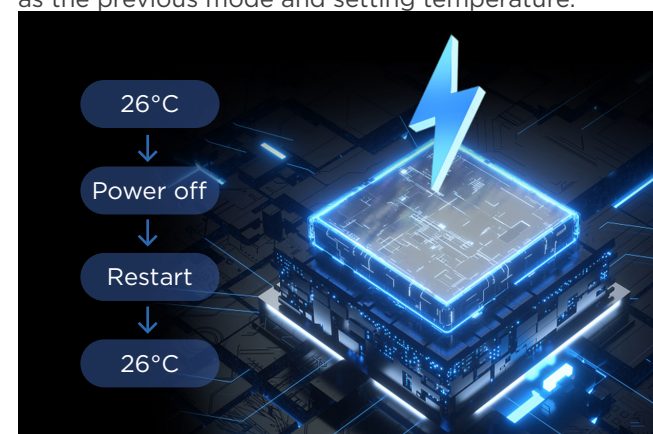
2 direction drainage

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



Power off memory

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



Comfortable

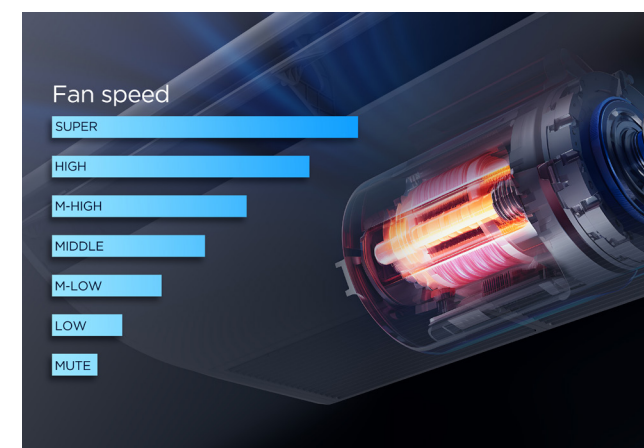
3D air flow

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



Seven gear wind speed

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



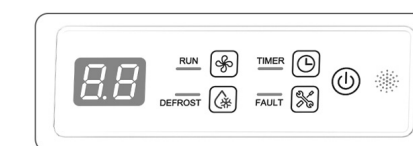
Rapid started

One click TURBO button to enter highest compressor frequency and highest fan speed to cool the room rapidly.



LED display

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



Multiple Protection, Stable and Reliable

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



Pressure protection



Temperature protection



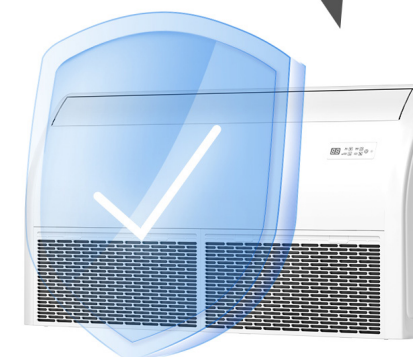
Current protection



Communication fault



Drive board Protection



Intelligent Control



WiFi control & OTA

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

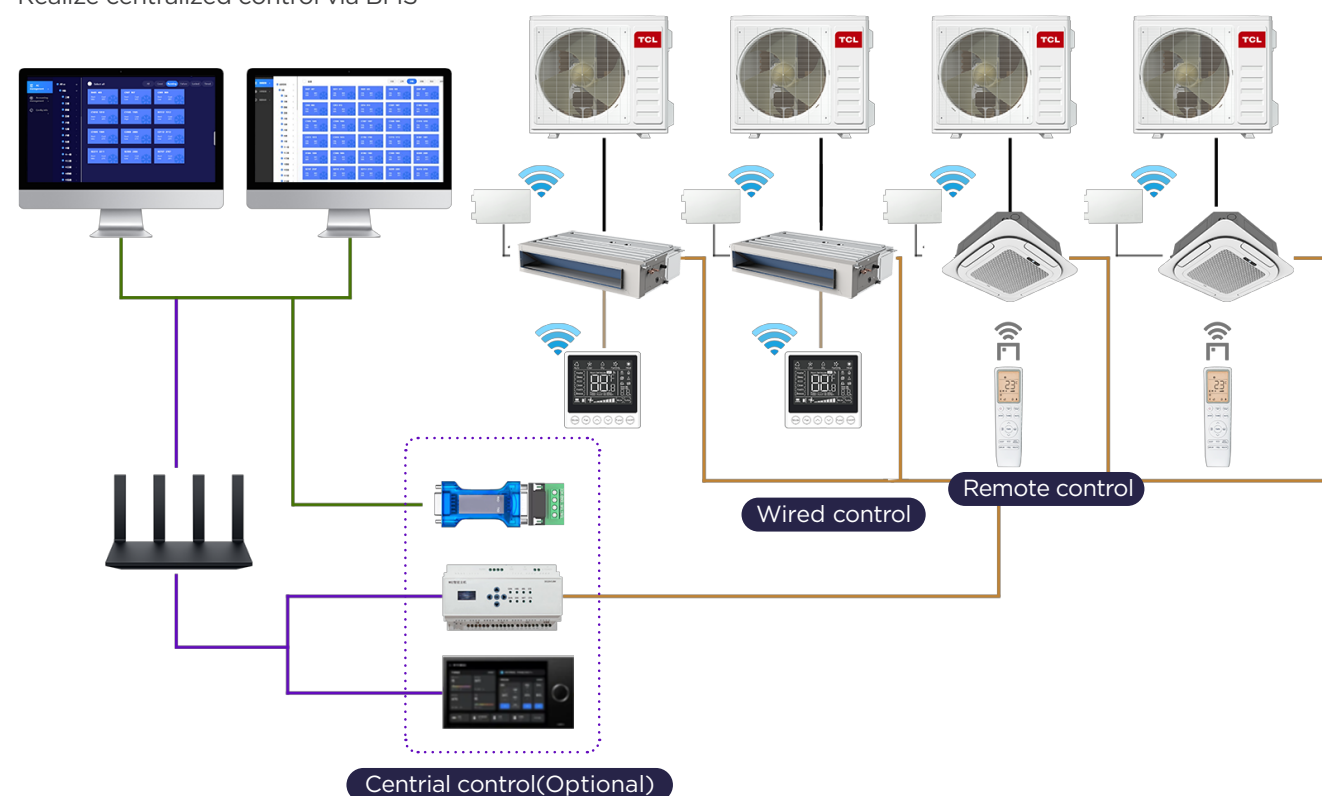


Multiple control modes

Various of controllers meets different users' demand.Including Wired controller, Wireless controller, central control and BMS control.

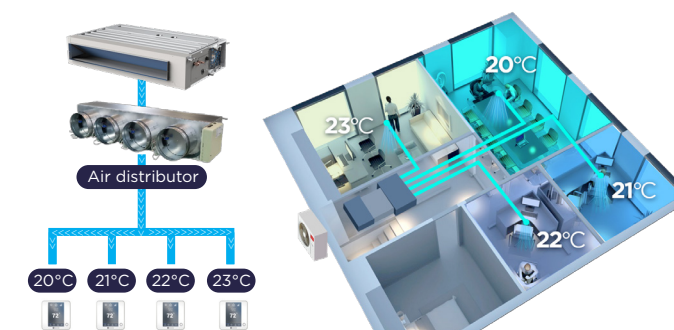
BMS control

It is easy to connect from PCB to 3rd party Building Management System. Realize centralized control via BMS



Airzone Solutions

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



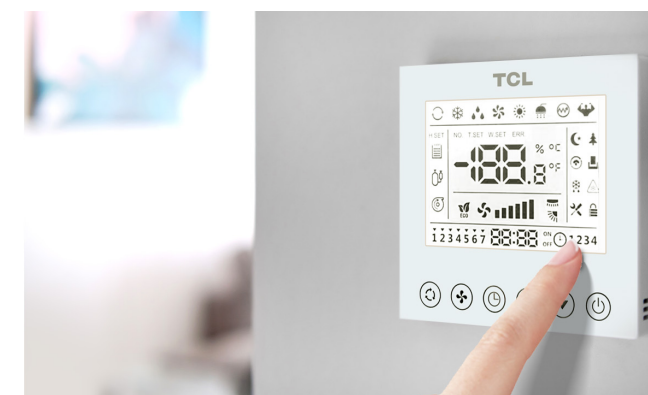
Double Wired Controller

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



ESP adjust on wired controller

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



Dry contact

Reserved port on board to wiring with room card/Fire alarm.



Optional Accessories

Wired Controller



Remote Controller



WiFi Control (Optional)



Water Pump (Duct optional)



Panels (Cassette optional)



Condenser Golden Fin (Outdoor unit optional)



Features List

		Duct	Cassette	Floor & ceiling
Flexible installation	High ESP up to 200 Pa	√	Not involved	Not involved
	Long piping design	√	√	√
	2 direction drainage	√	Not involved	√
	Ceiling & Floor installation	√	Not involved	√
	Multi-split	√	√	√
	Integrated water pump module	Optional	√	No
Intelligent control	AI Energy saving	√	√	√
	Constant air volume	√	Not involved	Not involved
	Dry contact	√	√	√
	ESP Adjustment from Wire Controller	√	Not involved	Not involved
	Auto dust-removing	√	√	√
	Power-down memory	√	√	√
	Wired controller	standard	Optional	Optional
	Remote controller	Optional	standard	standard
	Wifi APP controller	Optional	Optional	Optional
Comfortable	OTA	Optional	Optional	Optional
	Fresh air	Optional	Optional	No
	56°C Evaporator Self-cleaning	√	√	√
	58°C High temperature cooling	√	√	√
Health filter		Optional	Optional	No

Product Parameters


D1 series High Static Pressure Duct Units





model		TCC-12D1HWH/DV(04)	TCC-18D1HWH/DV(04)	TCC-24D1HWH/DV(04)	TCC-30D1HWH/DV7(04)	TCC-36D1HWH/DV(04)	TCC-42D1HWH/DV(04)	TCC-48D1HWH/DV7(04)	TCC-55D1HWH/DV7(04)
Cooling capacity	W	12860	18000	24000	30000	36000	42000	48000	55000
Heating capacity	W	13640	20500	27300	32000	40000	46000	55000	62000
EER	W/W	3.06	3.21	3.21	3.19	3.00	3.00	2.90	2.73
SEER	W/W	6.1	6.6	6.8	6.2	6.3	6.1	6.1	6.1
Energy Class (cooling)	/	A++	A++	A++	A++	A++	A++	A++	A++
COP	W/W	3.07	3.20	3.48	3.25	3.35	3.48	3.25	3.00
SCOP	W/W	4.00	4.00	4.1	4.0	4.1	4.0	4.0	4.0
Energy Class (heating)	/	A+	A+	A+	A+	A+	A+	A+	A+
Indoor sound power (S/H/M/L/Mute)	dB(A)	43/41/39/37/35	38/36/34/32/31	45/43/41/40/39	47/45/44/40/38	52/48/47/45/44	52/50/48/45/43	53/51/49/47/45	53/52/50/48/46
Outdoor sound power (Standard rating conditions)	dB(A)	52	52	54	56	57	58	60	58
Power supply		Indoor: 20-240V~/50Hz/1P			Outdoor: 220-240V~/50Hz/1P			Indoor: 220-240V~/50Hz/1P Outdoor: 380-415V/50Hz/3P	
Max.current	A	13	13	15	16.5	21	21	12.0	12.0
Indoor air circulation Cooling/heating	m³/h	750/850	800/900	1350/1400	1600/1800	1900/2000	2200/2200	2100/2100	2500/2500
Indoor Speed (S/H/M/L/Mute)	rpm	850/800/750/700/650	940/810/750/690/670	1220/1100/1000/900/850	1050/1000/950/850/770	1180/1050/1000/950/850	1200/1050/1000/960/930	1300/1200/1080/1020/990	1450/1130/1070/1000/970
Compressor Type	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
External Static Pressure(Rated)	Pa	25	25	25	37	37	50	50	50
External Static Pressure(Range)	Pa	0-160	0-160	0-160	0-160	0-200	0-200	0-200	0-200
Connecting Wiring	Core x Size	outdoor: 3*2.5mm²; outdoor to indoor: 5*1.5mm²				outdoor: 3*2.5mm²; outdoor to indoor: 3*1.5mm²+3*0.75		Outdoor: 5*2.5mm² outdoor to indoor: 3*1.0mm²+3*0.75	
Connecting Pipe	Gas	Inches	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	5/8"
	Liquid	Inches	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"
Max. refrigerant pipe length	m	30	30	30	30	75	75	75	75
Max. difference in level	m	20	20	20	20	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	°C	Cooling:-15-58/Heating:-25-24						
	Indoor	°C	Cooling:17-32/Heating:0-30						
Net dimensions (W x H x D)	Indoor	mm	920×700×245	920×700×245	920×700×245	920×700×245	1200×700×245	1200×700×245	1400×700×245
	Outdoor	mm	780×605×307	780×605×307	845×700×342	845×700×342	910×804×378	910×804×378	1010×858×436
Net weight	Indoor	kg	24	27.5	29	30	36	38	42
	Outdoor	kg	30	30	40	41	55	55	83
Packing dimensions (W x H x D)	Indoor	mm	1100×830×310	1100×830×310	1100×830×310	1100×830×310	1380×830×310	1380×830×310	1580×830×310
	Outdoor	mm	890×385×648	890×648×385	960×430×755	960×430×755	1022×860×480	1022×860×480	1135×970×530
Gross weight	Indoor	kg	28	32.5	34	35	42	43	49
	Outdoor	kg	33	33	44	45	60	60	95


Product Parameters


360° Air Outlet Cassette

- 

360° Round Air Outlet
- 

Wide range of swing angle
- 

Built-in water pump
- 

WiFi control
- 

Inverter technology



model		TCD-12CHRH/ DV(Q8)	TCD-18CHRH/ DV(Q8)	TCC-18CHRH/ DV(02)	TCC-24CHRH/ DV(02)	TCC-30CHRH/ DV(02)	TCC-36CHRH/ DV(02)	TCC-42CHRH/ DV(02)	TCC-48CHRH/ DV7(02)	TCC-55CHRH/ DV7(02)
Cooling capacity	btu/h	12910	18000	18000	24000	30000	36000	42000	48000	55000
Heating capacity	btu/h	13800	19000	19800	26900	32000	40000	46000	55000	62000
Cooling capacity	W	3780	5280	5300	7030	8800	10550	12100	14070	16000
Heating capacity	W	4040	5570	5800	7900	9380	11720	13500	16120	18170
EER	W/W	3.11	3.12	3.15	3.00	3.15	3.20	3.16	3.00	3.00
SEER	W/W	6.3	6.30	6.3	6.2	6.2	6.2	6.1	6.1	6.1
Energy Class (cooling)	/	A++	A++	A++	A++	A++	A++	A++	A++	A++
COP	W/W	3.15	3.29	3.45	3.25	3.44	3.55	3.66	3.22	3.06
SCOP	W/W	4.00	4.00	4.00	4.0	4.0	4.1	4.0	4.0	4.0
Energy Class (heating)	/	A+	A+	A+	A+	A+	A+	A+	A+	A+
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
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	
Max.current	A	13	13	13	15	16.5	21	21	12	12
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
Indoor Speed (S/H/M/L/Mute)	rpm	760/670/ 570/530/500	820/760/ 670/570/530	560/500/ 450/350/320	680/590/ 500/430/360	700/610/ 520/450/380	800/720/ 680/620/520	840/730/ 680/640/560	880/800/ 720/680/600	880/800/ 750/680/600
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Connecting Wiring	Core x Size	outdoor:3*2.5mm²;outdoor to indoor:5*1.5mm²				outdoor:3*2.5mm²; outdoor to indoor: 5*2.5mm²		outdoor:3*2.5mm²; outdoor to indoor:3*1.5mm²+3*0.75		Outdoor:5*2.5mm² outdoor to indoor: 3*1.0mm²+3*0.75
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"
Max. refrigerant pipe length	m	30	30	30	30	30	75	75	75	75
Max. difference in level	m	20	20	20	20	20	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	°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	840×840×245	840×840×245	840×840×245	840×840×290	840×840×290	840×840×290
	Outdoor	mm	780×605×307	780×605×307	780×605×307	845×700×342	845×700×342	910×804×378	910×804×378	1010×858×436
	Panel	mm	650x650x57	650x650x57	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45	950x950x45
Net weight	Indoor	kg	14	14.5	23	24	24	26	26	28
	Outdoor	kg	30	30	30	40	41	55	55	83
	Panel	kg	2.7	2.7	6	6	6	6	6	6
Packing dimensions (W x H x D)	Indoor	mm	720x720x310	720x720x310	935×935×305	935×935×305	935×935×305	935×935×350	935×935×350	935×935×350
	Outdoor	mm	890×385×648	890×385×648	890×648×385	960×430×755	960×430×755	1022x860x480	1022x860x480	1135x970x530
	Panel	mm	735x735x110	735x735x110	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90
Gross weight	Indoor	kg	17.5	18	27	28	28	31	31	33
	Outdoor	kg	32.5	32.5	33	44	45	60	60	95
	Panel	kg	4.3	4.3	9	9	9	9	9	9

Product Parameters

Floor & Ceiling Type

- 

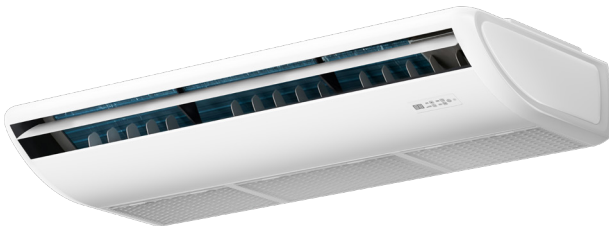
3D air flow
- 

Flexible installation
- 

Rapid started
- 

Ultra-thin design
- 

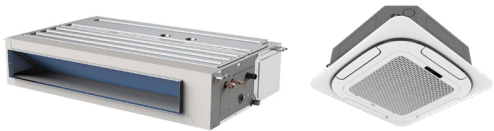
WiFi control



model		TCC-12ZHRH/ DV(02)	TCC-18ZHRH/ DV(02)	TCC-24ZHRH/ DV(02)	TCC-30ZHRH/ DV(02)	TCC-36ZHRH/ DV(02)	TCC-42ZHRH/ DV(02)	TCC-48ZHRH/ DV7(02)	TCC-55ZHRH/ DV7(02)
Cooling capacity	btu/h	12860	18000	24000	30000	36000	42000	48000	55000
Heating capacity	btu/h	13640	19800	26900	32000	40000	46000	55000	62000
Cooling capacity	W	3770	5300	7030	8800	10550	12100	14070	16000
Heating capacity	W	4000	5800	7900	9380	11720	13500	16120	18170
EER	W/W	3.21	3.21	3.00	3.12	3.15	3.04	3.00	3.00
SEER	W/W	6.1	6.3	6.2	6.2	6.1	6.1	6.1	6.1
Energy Class (cooling)	/	A++	A++	A++	A++	A++	A++	A++	A++
COP	W/W	3.14	3.14	3.00	3.16	3.35	3.62	3.00	3.00
SCOP	W/W	4.00	4.00	4.0	4.0	4.0	4.0	4.0	4.0
Energy Class (heating)	/	A+	A+	A+	A+	A+	A+	A+	A+
Indoor sound pressure (S/H/M/L/Mute)	dB(A)	49/44/ 42/39/35	49/44/ 42/39/35	54/51/ 47/43/40	53/51/ 48/45/40	55/51/ 49/45/42	56/54/ 52/50/43	53/52/ 49/46/45	54/51/ 49/46/44
Outdoor sound pressure(Standard rating conditions)	dB(A)	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
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
Indoor Speed (S/H/M/L/Mute)	rpm	1050/880/ 820/750/650	1050/880/ 820/750/650	1300/1150/ 1000/900/800	1300/1170/ 1050/950/800	1400/1200/ 1080/980/850	1250/1030/ 980/900/830	1280/1200/ 1100/1000/950	1320/1250/ 1150/1050/950
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Connecting Wiring	Core x Size	outdoor:3*2.5mm²; outdoor to indoor:5*1.5mm²			outdoor:3*2.5mm²; outdoor to indoor: 5*2.5mm²	outdoor:3*2.5mm²; outdoor to indoor: 3*1.5mm²+3*0.75		outdoor:5*2.5mm²; outdoor to indoor: 3*1.5mm²+3*0.75	
Connecting Pipe	Gas	Inches	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid	Inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. refrigerant pipe length	m	30	30	30	30	75	75	75	75
Max. difference in level	m	20	20	20	20	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	°C	Cooling:-15-58/Heating:-25-24						
	Indoor	°C	Cooling:17-32/Heating:0-30						
Net dimensions (W x H x D)	Indoor	mm	1055×675×235	1275×675×235	1275×675×235	1635x675x235	1635x675x235	1635x675x235	840×840×290
	Outdoor	mm	845×700×342	845×700×342	910×804×378	910×804×378	1010×858×436	1010×858×436	910×804×378
	Panel	mm	845×700×342	845×700×342	910×804×378	910×804×378	1010×858×436	1010×858×436	910×804×378
Net weight	Indoor	kg	26	30	30	35	38	38	26
	Outdoor	kg	40	41	55	55	77	83	55
	Panel	kg	4.3	4.3	9	9	9	9	9
Packing dimensions (W x H x D)	Indoor	mm	1130x748x305	1350x748x305	1350x748x305	1710x748x305	1710x748x305	1710x748x305	935×935×350
	Outdoor	mm	960×430×755	960×430×755	1022x860x480	1022x860x480	1135x970x530	1135x970x530	1022x860x480
	Panel	mm	735x735x110	735x735x110	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90
Gross weight	Indoor	kg	17.5	18	27	28	28	31	31
	Outdoor	kg	32.5	32.5	33	44	45	60	60
	Panel	kg	4.3	4.3	9	9	9	9	9

Product Parameters

High efficiency series
With dedicated high efficiency design
to meet rebate requirement



model			TCC-09D2HWH/ DV(001708)	TCC-12D2HWH/ DV(001708)	TCC-18D2HWH/ DV(001720)	TCC-24D1HWH/ DV(080019)	TCC-24CHRH/ DV(001836)	KFR-70GW/ YXDBp(E)(011733)
Control type			Wired controller Optional Remote Controller				remote controller	
Cooling capacity	btu/h		9210	12010	16050	24000	24000	24000
Heating capacity	btu/h		9550	12140	16050	24000	24000	24000
Cooling capacity	W		2700	3520	4700	7030	7030	7030
Heating capacity	W		2800	3560	4700	7030	7030	7030
EER	W/W		3.90	3.35	3.20	3.3	3.3	3.3
SEER	W/W		7.0	6.5	6.1	6.1	6.1	6.1
Energy Class Cooling	/		A++	A++	A++	A++	A++	A++
COP	W/W		4.10	3.96	3.20	3.8	3.8	3.8
SCOP	W/W		4.0	4.0	4	4.0	4.0	4.0
Energy Class Heating	/		A+	A+	A+	A+	A+	A+
Capacity(-10°C)	W		2100	2100	3700	5900	5900	5900
Moisture removal	Liters/h		1.50	1.70	2.00	2.00	2.00	2.00
Indoor sound pressure (S/H/M/L/Mute)	dB(A)		43/41/ 37/30/27	43/41/ 37/30/27	46/43/ 38/32/28	51/48/44/ 40/37	51/48/44/ 40/37	50/48/43/ 39/35
Indoor sound pressure(Standard rating conditions)	dB(A)		43	43	46	48	48	48
Outdoor sound pressure(Standard rating conditions)	dB(A)		52	52	55	60	60	60
Power supply			Indoor:220-240V~/50Hz/1P				Outdoor:220-240V~/50Hz/1P	
Max.current	A		8	9	12	15.5	15.5	15.5
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Indoor air circulation Cooling/heating	m³/h		600	600	850	1350/1400	1400/1500	1050/1000
Indoor fan speed S/H/M/L/Mute	rpm		1140/1050/ 870/700/700	1140/1050/ 870/700/700	1180/1100/ 1050/980/920	1220/1100/ 1000/900/850	630/590/ 500/430/360	1220/1130/ 990/850/750
External Static Pressure(Rated)	Pa		25	25	25	25	/	/
External Static Pressure(Range)	Pa		0-100	0-100	0-100	0-160	/	/
ODU to IDU Connecting Wiring			4×0.75mm²	4×0.75mm²	4×0.75mm²	5*1.5mm²	5*1.5mm²	5*1.5mm²
Connecting Pipe	Gas	Inches	3/8"	3/8"	3/8"	5/8"	5/8"	5/8"
	Liquid	Inches	3/8"	1/4"	1/4"	3/8"	3/8"	3/8"
Max. refrigerant pipe length	m		30	30	30	30	30	30
Max. difference in level	m		20	20	20	20	20	20
Operation temperature range	°C		16-31	16-31	16-31	16-31	16-31	16-31
Ambient temperature range	Outdoor	°C	Cooling:-15-53/Heating:-20-30				Cooling:-15-58/Heating:-25-24	
	Indoor	°C	Cooling:17-32/Heating:0-30				Cooling:17-32/Heating:0-30	
Net dimensions (W x H x D)	Indoor	mm	700×490×200	700×490×200	920×490×200	920×700×245	840×840×245	1097×332×222
	Outdoor	mm	777×498×290	777×498×290	853×602×349	845×700×342	845×700×342	845×700×342
	Panel	mm	/	/	/	/	950x950x45	/
Net weight	Indoor	kg	15	15	18	32	24	14
	Outdoor	kg	22	22	30	40	40	40
	Panel	kg	/	/	/	/	6	/
Packing dimensions (W x H x D)	Indoor	mm	900×555×250	900×555×250	1120×555×250	1100×830×310	935×935×305	1165×295×405
	Outdoor	mm	818×515×325	818×515×325	890×628×385	960×430×755	960×430×755	960×430×755
	Panel	mm	/	/	/	/	1055x1055x90	/
Gross weight	Indoor	kg	18	18	21	36	28	18
	Outdoor	kg	24	24	32.5	44	44	44
	Panel	kg	/	/	/	/	9	/