

TCL Light Commerical Units (T3 R410a on/off cooling only)

Technical specifications for Ducted Splits

Set Model		/	TCC-18D1CWA/UT-(C5)	TCC-24D1CWA/UT-(C5)	TCC-30D1CWA/UT-(C5)	TCC-36D1CWA/UT-(C5)	TCC-48D1CWA/U3T-(C5)	TCC-55D1CWA/U3T-(C5)
Power Supply (outdoor)		V~,Hz,Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	380-415V/50Hz/3Ph	380-415V/50Hz/3Ph
Capacity	Cooling (T1)	Btu/h	18000	22700	28700	34500	45000	52300
		W	5275	6653	8411	10111	13189	15328
	Cooling (T3)	Btu/h	16400	19700	25200	31300	40000	47200
		W	4805	5773	7385	9173	11723	13834
Performance (T1)	EER	Btu/h/W	12.43	12.09	12.06	12.01	12.08	11.92
Performance (T3)	EER	Btu/h/W	9.19	8.78	9.12	9.19	8.73	8.78
Electric Data (T1)	Rated Cooling Power Input	W	1448	1878	2380	2873	3725	4388
	Rated Cooling Current	A	6.6	8.2	10.6	12.6	7.7	7.9
Electric Data (T3)	Rated Cooling Power Input	W	1785	2244	2763	3406	4582	5376
	Rated Cooling Current	A	7.9	9.8	12.5	14.5	8.8	9.5
Indoor Air Flow(Hi/Mi/Lo)		m³/h	990/820/680	1350/1190/1040	1660/1400/1140	2050/1750/1300	2300/1900/1450	2950/2550/2130
Indoor sound pressure(S/H/M/L/Mute)		dB(A)	41/39/37/35/32	44/41/39/37/35	46/44/41/38/36	46/44/41/39/37	50/48/46/43/41	49/47/45/43/40
Indoor sound pressure(Standard rating conditions)		dB(A)	39	41	44	44	48	47
External Static Pressure(Rated)		Pa	25	25	37	37	50	50
External Static Pressure(Range)		Pa	0-160	0-160	0-200	0-200	0-200	0-200
Indoor Units	Net Dimension(W*D*H)	mm	920×700×245	920×700×245	1200x700x245	1400x700x245	1400x700x245	1400x800x380
	Packing Dimension(W*D*H)	mm	1140x830x290	1140x830x290	1420x830x290	1620x830x290	1620x830x290	1620×930×425
	Net Weight	Kg	28	28	38	42	42	63
	Gross Weight	Kg	33	33	44	49	49	70
Outdoor Units	Net Dimension(W*D*H)	mm	845×342×700	910×378×804	910×378×804	910×378×804	950×340×1330	940×390×1365
	Packing Dimension(W*D*H)	mm	960×430×732	1022x480x835	1022x480x835	1022x480x835	1080×430×1457	1080×470×1540
	Net Weight	kg	41	52	60	62	100	105
	Gross Weight	kg	45	56	64	66	110	117
Refrigerant	Type	/	R410A	R410A	R410A	R410A	R410A	R410A
	Charged Volume (factory)	kg	1.05	1.45	2	2.85	3.95	4.35
Refrigerant Piping	Liquid Side	mm/inch	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Side	mm/inch	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")	19.05 (3/4)
	Max. Length	m	35	35	35	35	60	60
	Max. Height	m	15	15	20	20	30	30
Ambient Temperature Range (Cooling/Heating)		°C	16 ~ 55	16 ~ 55	16 ~ 55	16 ~ 55	16 ~ 55	16 ~ 55

Remark:The above designs and specifications are subject to change of product improvement without prior notice.

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Worldwide Air Conditioner Partner

Technical specifications for Cassette Splits

Code	Set Model	/	TCC-18CCRA/UT-(C5)	TCC-24CCRA/UT-(C5)	TCC-30CCRA/UT-(C5)	TCC-36CCRA/UT-(C5)	TCC-48CCRA/U3T-(C5)
Power Supply (outdoor)		V~,Hz,Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph	380-415V/50Hz/3Ph
Capacity	Cooling (T1)	Btu/h	18000	23600	28500	33000	44000
		W	5275	6917	8353	9672	12896
	Cooling (T3)	Btu/h	16400	20600	24600	28000	38300
		W	4805	6037	7210	8206	11225
Performance	EER (T1)	Btu/h/W	12.67	12.40	12.04	11.98	12.13
	EER (T3)	Btu/h/W	9.39	9.26	8.68	8.70	8.82
Electric Data (T1)	Rated Cooling Power Input	W	1421	1903	2367	2755	3627
	Rated Cooling Current	A	6.4	8.4	10.4	12.5	7.4
Electric Data (T3)	Rated Cooling Power Input	W	1747	2225	2834	3218	4342
	Rated Cooling Current	A	7.7	9.8	13.1	13.8	8.1
Indoor Unit	Indoor Air Flow(Hi/Mi/Lo)	m³/h	990/880/690	1400/1250/1050	1780/1650/1530	1820/1690/1580	2000/1780/1680
	Indoor sound pressure(S/H/M/L/Mute)	dB(A)	42/40/39/37/34	49/47/44/40/38	51/49/47/45/43	51/49/47/45/43	53/51/48/46/44
	Indoor sound pressure(Standard rating conditions)	dB(A)	40	47	49	49	51
Indoor Unit	Net Dimension(W*D*H)	mm	840×840×245	840×840×245	840x840x290	840x840x290	840x840x290
	Packing Dimension(W*D*H)	mm	920×920×270	920×920×270	920x920x315	920x920x315	920x920x315
	Net Weight	Kg	23	23	26	28	28
	Gross Weight	Kg	28	28	30	32	32
Panel	Net Dimension (W*D*H)	mm	950×950×45	950×950×45	950×950×45	950×950×45	950×950×45
	Packing Dimension (W*D*H)	mm	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90	1055x1055x90
	Net weight	Kg	6	6	6	6	6
	Gross weight	Kg	9	9	9	9	9
Outdoor Unit	Net Dimension (W*D*H)	mm	845×342×700	910×378×804	910×378×804	910×378×804	950×340×1330
	Packing Dimension (W*D*H)	mm	960×430×732	1022x480x835	1022x480x835	1022x480x835	1080×430×1457
	Net weight	kg	41	52	60	62	100
	Gross weight	kg	45	56	64	66	110
Refrigerant Type/Quantity	Type	/	R410A	R410A	R410A	R410A	R410A
	Charged Volume (factory)	kg	1.05	1.45	2	2.85	3.95
	additional Volume/Beyond 5 meters	g/m	22	54	54	54	54
Refrigerant Piping	Liquid Side	mm/inch	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Side	mm/inch	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	19.05 (3/4")
	Max. Length	m	35	35	35	35	60
	Max. Height	m	15	15	20	20	30
Ambient Temperature Range (Cooling/Heating)		°C	16~55	16~55	16~55	16~55	16~55

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TCL Light Commercial Units (T3 R410a on/off cooling only)

Product Features

Outdoor Unit



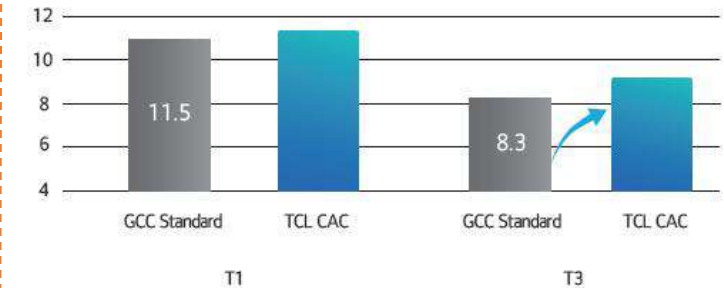
| Universal outdoor design

- The same ODU can match cassette and ducted indoor units, reducing stock and after-sales costs



| Scroll compressor (for 48/55K)

- Operating more smoothly
- More quiet
- More reliable



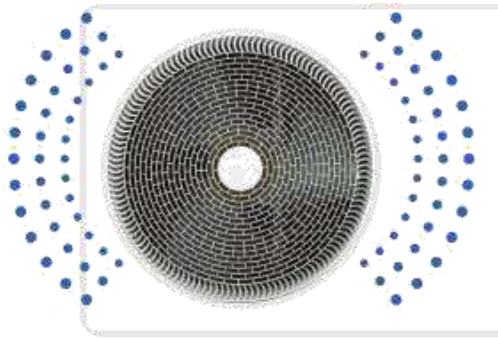
| High efficiency and comfortable

- High efficiency hydrophilic aluminum fin
- reduces the water resistance, wind resistance
- More than UAE energy efficiency standard

TCL Light Commercial Units (T3 R410a on/off cooling only)

Product Features

Outdoor Unit



| Optimized air-outlet grill

- Optimized air flow increases the air volume and the efficiency of heating exchange



| Wide operation temp. range

- Cooling ambient temperature ranges from 16°C to 55°C



| Long pipe length

- Pipe length reach 60m from ODU to IDU, height difference reach 30m
- Satisfying complicated installation scenario especially when it is required to install the ODU on the rooftop.

(18/24K is 30/15m, 30/36K is 30/20m, 48/55K is 60/30m)

TCL Light Commercial Units (T3 R410a on/off cooling only)

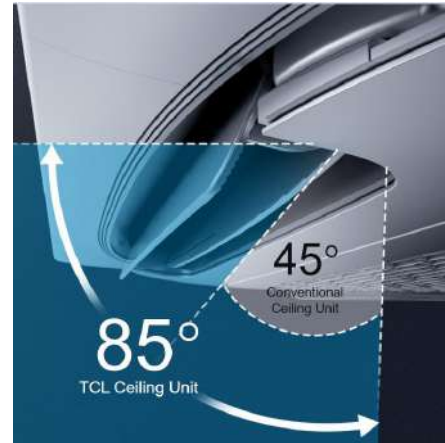
Product Features

DC Cassette Type



I Built-in drain pump

- The condensing water can be lifted up to 1200mm, which is convenient for installation



I Wide swing angle

- Swing angle from 0-85°, while traditional one is 0-45°
- Send soft air to any corner of the room easily.
- Almost horizontal wind avoids directly blow to people.



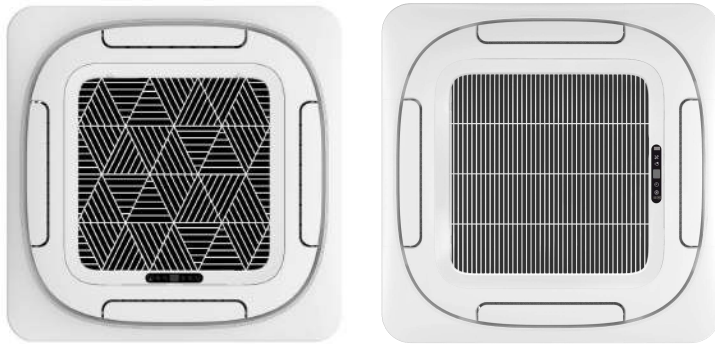
I Easily to clean filter

- Filters can be removed easily for cleaning and maintenance.
- When checking the indoor, no need disassembly panel

TCL Light Commercial Units (T3 R410a on/off cooling only)

Product Features

DC Cassette Type



| Different panel option

- Cassette can use round flow panel, and also different types of outlet grilles are available to meet the needs of different customer scenarios.

| WiFi control

- Connect the device with one click to turn on and update program of indoor unit online with OTA function

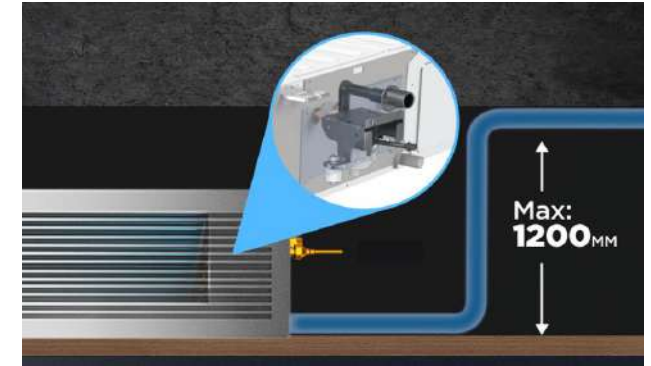
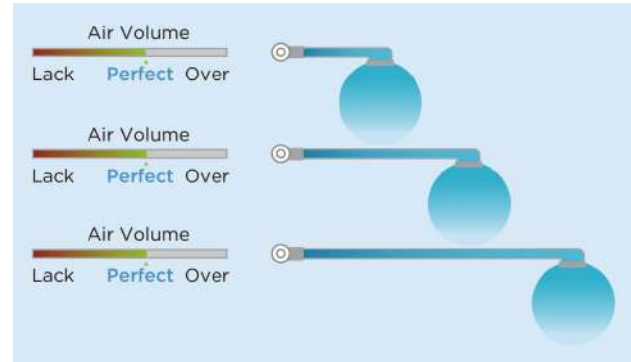
| Fresh air

- A knock-off hole is reserved on the unit casing for fresh air.
- Maximum fresh air volume is 15% to make indoor air healthy and comfortable

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Product Features

DC Duct Type



I High ESP

- Optimized volute design and enlarged impeller bring high ESP
- Connect longer external duct length and fit complicated installation scenario.
- 18~24K duct up to 160Pa, 30~55K duct up to 200Pa

I Constant air volume

- The fan motor can auto-adjust its speed by wire controller according to the real-time duct resistance, to provide the same air volume to the room.

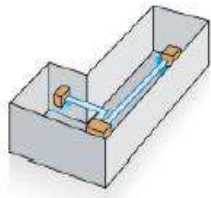
I Build-in water pump

- Optional built-in drain pump, can lift water up to 1200mm, ensure drainage efficiency.
- Integrated water pump module is convenient for installation and maintenance.

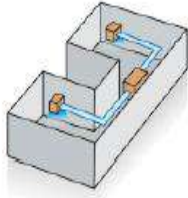
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Product Features

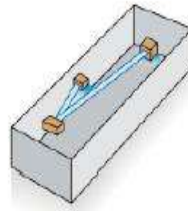
DC Duct Type



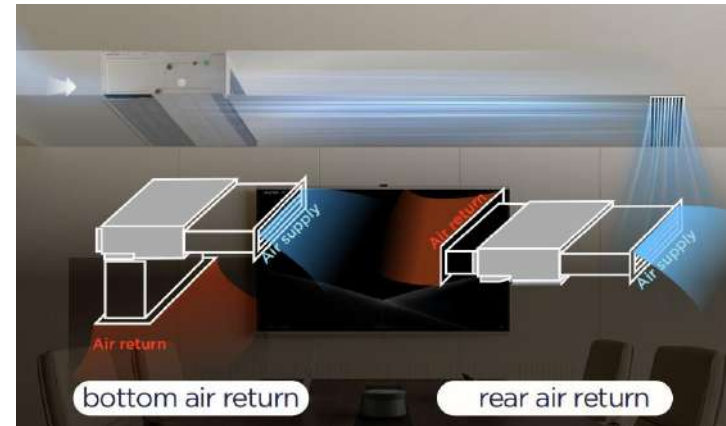
"L" Type



"U" Type



"Long" Type



| Various air supply types

- The air flow organization is reasonable
- Enjoying the pleasant comfortable environment

| Flexible air return optional

- Flexible return air options, supporting bottom and rear air return, to meet different installation requirements

| WiFi control

- On-the-air upgrading program via Wifi APP
- No need to manipulate on electrical control board convenient for afterservice

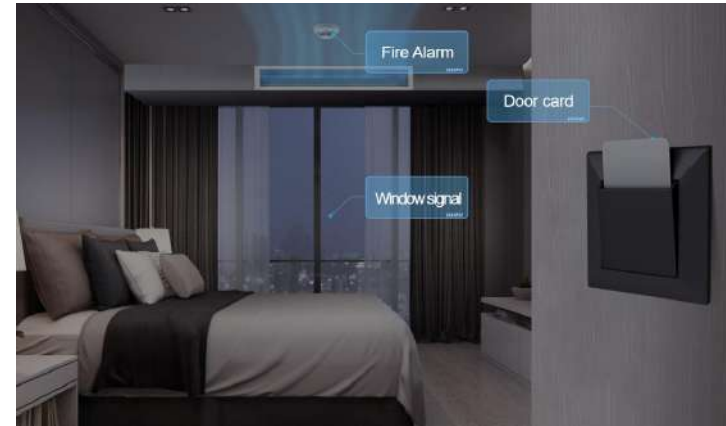
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Control Solutions



| BMS Control

- Easy to connect from PCB to 3rd party Building Management System, no need to connect another BMS gateway, realize centralized control via BMS



| Dry Contact

- Door Card / Window / Fire-alarm signal could connect to PCB of indoor unit.
- The system can be turned on/off per door or window open or shut, or shut down when fire alarm occurs.



| WiFi control

- Connect the device with APP by one click, remotely turn on/off and set schedule or timer, and monitor running data & operation history.