TCL

Worldwide Olympic Partner

200Pa High Static Pressure

Split Design

Smart Control

Ducted Air Conditioning

Strong Performance | Easy Installation | Smart Control

www.tcl.com/au

VERSION 2

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TCL

Introduction of TCL

TCL is a fast-growing consumer electronics company, and a leading player in the global TV industry.

The company was founded in 1981 in China and operates its own manufacturing and R&D centres worldwide, with products sold in more than 160 countries. TCL specialises in the research, development and manufacturing of consumer electronics products – including TVs, mobile phones, home appliances and smart home products. Through the strategy of 'AI x IOT, TCL strives to become a world-leading intelligent technology company that helps its consumers lead smarter and healthier lives.

Product Line

Experience powerful, eco-friendly comfort with the TCL High Static Ducted System.

Designed for strong performance in extreme temperatures, it delivers consistent airflow to every corner. With smart WiFi control, easy installation, and a wide static pressure range, it's the perfect blend of innovation, convenience, and efficiency.

Capacity	7.1kW	8.5kW	10kW	12.5kW	14kW	16kW
Indoor Unit						
Indoor Unit Dimensions (mm)	245×1200×700	245×1200×700	380×1510×945	380×1510×945	380×1510×945	380×1510×945
Power Supply	1 phase, 220-240 V, 50 Hz					
External Static Pressure (Range)	0-200pa					

Capacity	7.1kW	8.5kW	10kW	12.5kW	14kW	16kW
Outdoor Unit						
Outdoor Unit Dimensions (mm)	910×804×378	910×804×378	1010×858×436	1010×858×436	1330 × 950 × 340	1330 × 950 × 340
Power Supply	1 phase, 220-240 V, 50 Hz					
External Static Pressure (Range)	0-200pa					

Low-Profile Ducted System

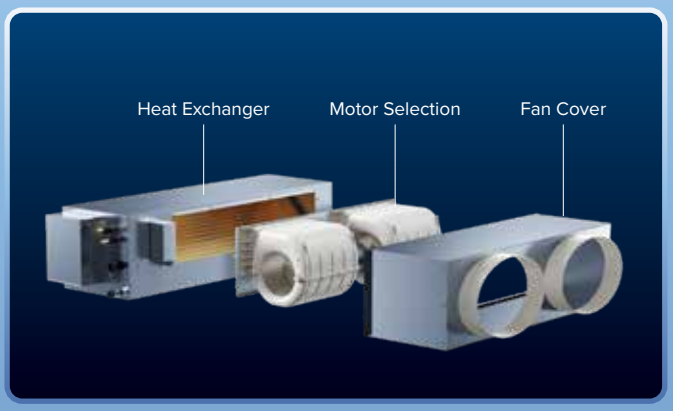
7.1 kW to 8.5 kW Capacity Range

High Static Ducted System

10 kW to 12 kW Capacity Range

14 kW to 16 kW Capacity Range

Features and Benefits



200PA High Static Pressure

With a Sirocco fan turbine, efficient motor and optimised duct design, this system delivers strong, consistent airflow — perfect for larger spaces or long duct runs.

Split Design | Easy Installation

The modular split design—featuring a separate heat exchanger, motor section and fan cover—offers enhanced flexibility and ease of installation, making it ideal for tight or complex spaces.

*Compatible only with 10-16 kW models

Full DC Design

Eco-friendly

Strong Cooling
Strong Heating

Wide Airflow and Static Pressure Range

Wifi Smart Control

Built-in Condensate Pump

The built-in condensate pump automatically removes moisture, providing efficient drainage and preventing condensate buildup.

Self-cleaning Function

The evaporator features a self-cleaning process that includes frosting, defrosting, drying and 48°C sterilising to eliminate bacteria. Our innovative Reverse Cleaning Technology effectively removes dust and debris from the outdoor unit.

Split Design Easy Installation*
*10-16kW models only

Self-Cleaning Function

Long Pipe Length Design

Built-in Condensate Pump

200 Pa High Static Pressure

Strong Heating at -15°C Low Ambient Temperature

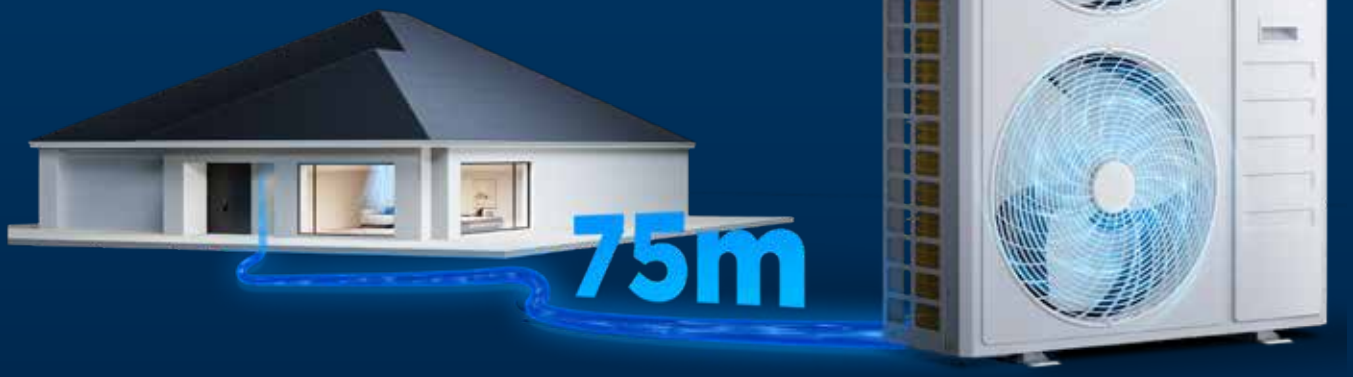
The outdoor unit features smart temperature detection, automatically defrosting in extreme cold to melt frost and ensure continuous, stable heating without interruption, providing reliable warmth even at -15°C low ambient temperature.

Strong Cooling at 50°C High Ambient Temperature

Designed for extreme climates, the air-cooled PCB technology integrated into the outdoor unit ensures continuous operation at up to 50°C high ambient temperature.

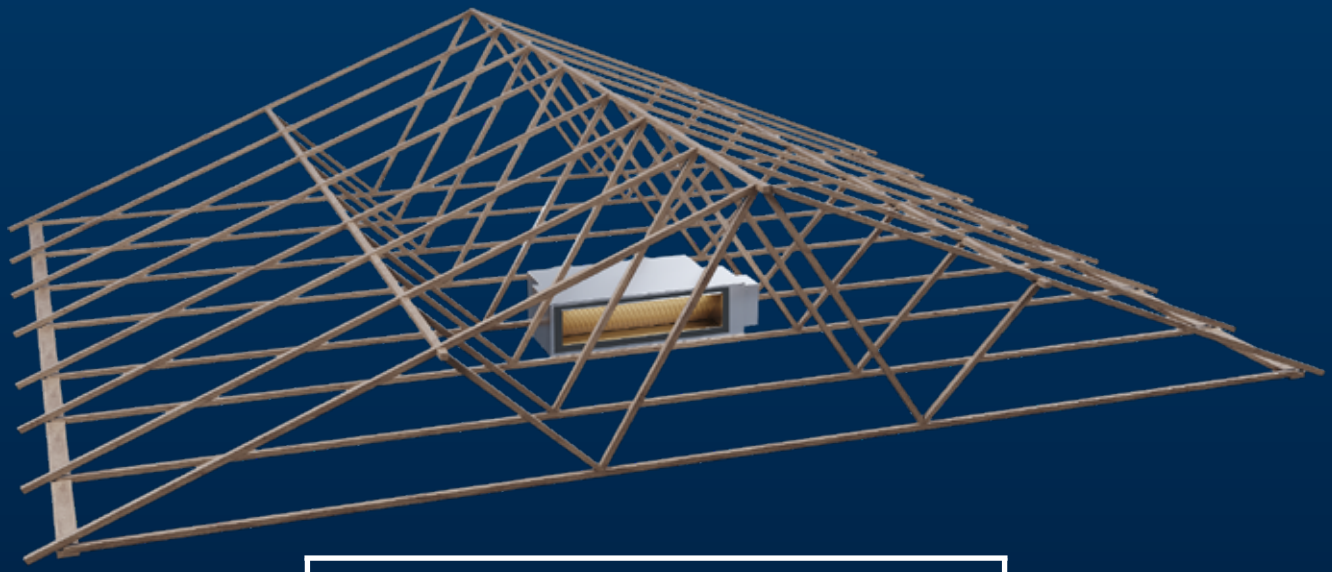
Long Pipe Run

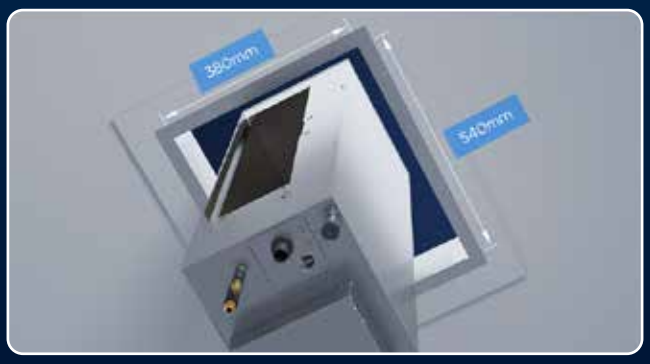
With a long pipe length of up to 75m and a 30m height difference capacity, you'll have the freedom to install it where it works best.



Perfectly Suited for New Builds or Upgrades

Designed with flexibility in mind, the splittable indoor unit easily separates into three parts—perfect for tight roof spaces and renovation projects.





Compact Design

Convenient for Renovations

Split unit into three parts

Respectively place parts in roof truss

Reassemble unit in ceiling

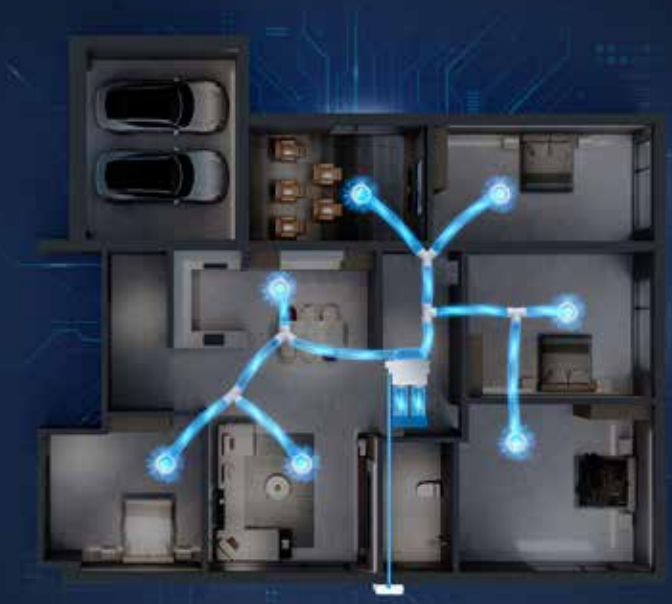
*Compatible only with 10-16 kW models

Controller

- Clear & easy to read LCD backlit display.
- Service code display for easier maintenance
- Turbo Heat and Cool Mode delivers a powerful boost to quickly reach your desired temperature, then automatically returns to normal operation.
- 9 Static pressure settings to maintain optimal airflow for the specific duct design.
- Room temperature display.
- Weekly timer.

Zone Control

Compatible with third-party zone controllers. It allows individual temperature control for different rooms.



*Compatibility and available functions may vary depending on the third-party zone controller used. Please consult with your installer or controller manufacturer for confirmation.

WiFi Operation

- WiFi operation, connect via TCL Home app
- Control temperature and switch on/off before you get home
- Connect with multiple devices

Long-Term Support You Can Rely On

Our extended 7-year warranty offers long-term protection and confidence in your product—because reliability matters.

Terms and conditions apply. Visit www.tcl.com/au/en for further details.

Why Choose TCL Air Conditioning

At TCL, we're redefining what comfort means with cutting-edge air conditioning solutions designed to support a healthier, greener lifestyle. With a focus on "Smart Health," our mission is simple: to make it easier for you to enjoy clean, fresh air every day.

From residential to commercial spaces, TCL offers a full range of innovative cooling solutions—including fresh air systems and heat pump technology—that lead the industry in performance and energy efficiency. Trusted in over 160 countries, TCL is now the world's #2 exporter of residential air conditioners and #3 in global sales volume.

Choose TCL for smarter air, better living.

Specifications

Specifications for Ducted System and Indoor Units

Model No.	R32 7.1KW	R32 8.5KW	R32 10.0KW	R32 12.5KW	R32 14KW	R32 16KW
Model	TCD71D1H WH-DV	TCD85D1H WH-DV	TCD100D1H WH-DV	TCD125D1H WH-DV	TCD140D1H WH-DV	TCD160D1H WH-DV
Indoor Unit	TCD71D1H WH-DVI	TCD85D1H WH-DVI	TCD100D1H WH-DVI	TCD125D1H WH-DVI	TCD140D1H WH-DVI	TCD160D1H WH-DVI
Type	Heat pump					
Control type	Wired controller standard with 15m cable					
Power Supply						
Indoor Unit	1 phase, 220-240 V, 50 Hz					
Outdoor Unit	1 phase, 220-240 V, 50 Hz					
Rated Capacity						
Cool(kw)	7.1	8.5	10.5	12.5	14	16
Heat(kw)	7.5	10	12.5	15	16.5	19
Capacity Range						
Cool(kw)	3.1~11	3.1~12.3	4.0~12.8	4.0~13.5	4.1-16	4.1-17.8
Heat(kw)	3.3~12	3.3~13.5	4.3~15	4.3~15.8	6.0-17.3	6.0-19.2
Power input (Rated)						
Cool(kw)	1.90	2.44	2.48	3.77	3.85	4.86
Heat(kw)	1.73	2.52	2.9	3.75	4.2	4.94
EER						
Cool(kw/kw)	3.78	3.48	4.23	3.31	3.64	3.29
COP						
Heat(kw/kw)	4.38	3.96	4.31	4.00	3.96	3.85
AEER	3.73	3.44	4.19	3.28	3.61	3.27
ACOP	4.32	3.92	4.27	3.96	3.93	3.83
TCSPF(Residential)	5.4/5.01 /5.2	5.14/4.71 /4.92	5.55/5.08 /5.18	4.71/4.37/ 4.56	5.23/4.85 /5.05	4.77/4.47 /4.67
HSPF(Residential)	4.71/4.32 /3.95	4.72/4.16 /3.65	4.85/4.44 /3.91	4.63/4.10 /3.52	4.44/4.03 /3.6	4.49/3.94 /3.45
Indoor Unit						
Dimensions (mm | HxWxD)	245×1200×700	245×1200×700	380×1510×945	380×1510×945	380×1510×945	380×1510×945
Packing Dimensions (mm | HxWxD)	310×1380×830	310×1380×830	455×1620×1010	455×1620×1010	455×1620×1010	455×1620×1010
Supply Air Opening Flange (mm | HxW)	149×1022	149×1022	245×1152	245×1152	245×1152	245×1152
Return Air Opening (mm | HxW)	247x1093	247x1093	2×400(Oval)	2×400(Oval)	2×400(Oval)	2×400(Oval)
Indoor Net Weight (Kg)	37	37	66	66	66	66
Gross Weight (Kg)	42	42	77	77	77	77
Airflow Rate (H/M/L | L/S)	560/435/275	560/435/275	785/650/460	785/650/460	1120/950/780	1120/950/780
Sound Presure @1.5m dB (A)	44	44	47	47	48	48
External Static Pressure (Rated | Pa)	25	37	37	50	50	50
External Static Pressure (Range | Pa)	0-200	0-200	0-200	0-200	0-200	0-200

Specifications for Ducted System Outdoor Unit

Model No.	R32 7.1KW	R32 8.5KW	R32 10.0KW	R32 12.5KW	R32 14KW	R32 16KW
Outdoor Unit	TCD71D1H WH-DVO	TCD85D1H WH-DVO	TCD100D1H WH-DVO	TCD125D1H WH-DVO	TCD140D1H WH-DVO	TCD160D1H WH-DVO
Dimensions (mm | HxWxD)	910×804×378	910×804×378	1010×858×436	1010×858×436	1330 × 950 × 340	1330 × 950 × 340
Packing Dimensions (mm | HxWxD)	1022x955x480	1022x955x480	1135x970x530	1135x970x530	1465 ×1080 × 430	1465 ×1080 × 430
Outdoor Net Weight (Kg)	53	53	73	73	101	101
Gross Weight (Kg)	57	57	85	85	107.5	107.5
Compresser (Type)	Rotary					
Sound Pressure Level						
Cooling/Heating dB (A)	56/57	56/57	57/58	57/58	58/59	58/59
Night Quiet Mode dB (A)	None	None	54	54	55	55
Sound Power Level dB (A)	67	67	70	70	74	74
Piping Connection						
Liquid (mm)	ø9.52/3/8"					
Gas (mm)	ø15.88/5/8"					
Refrigerant Control	EEV					
Ref. Piping						
Max Length (m)	50	50	50	50	75	75
Max Height Difference (m)	25	25	30	30	30	30
Refrigerant						
Type	R32					
Pre-Charge Pipe Length (m)	20	20	20	20	20	20
Extra Charge (gm/m)	30	30	30	30	30	30
Cooling temperature °C	16-50					
Heating temperature °C	-15~24					
Power Supply Side	Outdoor unit					

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EXPERIENCE MORE

Customer Service Hotline: 1300 738 149

To learn more about our new range of products, visit:

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