

# TCL

## High Static Ducted System

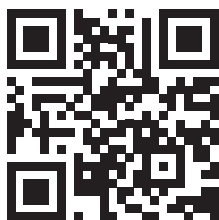
Reach Every Corner of Your Space

Strong Performance | Easy Installation | Smart Control

7.1kW | 8.5kW | 10kW | 12.5kW | 14kW | 16kW



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Full DC Design



Eco-friendly



Strong Cooling  
Strong Heating



Wide Airflow and  
Static Pressure Range



Wifi Smart Control



Split Design  
Easy Installation\*

\*10-16kW models only



Self-cleaning  
Function



Long Pipe  
Length Design



200 Pa High  
Static Pressure



Built-in  
Condensate Pump

# TCL Specifications of Ducted System

| Model No.                        |                        |       | R32 7.1KW                                | R32 8.5KW      | R32 10.0KW      | R32 12.5KW      | R32 14KW         | R32 16KW         |
|----------------------------------|------------------------|-------|------------------------------------------|----------------|-----------------|-----------------|------------------|------------------|
| Model                            |                        |       | TCD71D1HWH-DV                            | TCD85D1HWH-DV  | TCD100D1HWH-DV  | TCD125D1HWH-DV  | TCD140D1HWH-DV   | TCD160D1HWH-DV   |
| Indoor Unit                      |                        |       | TCD71D1HWH-DVI                           | TCD85D1HWH-DVI | TCD100D1HWH-DVI | TCD125D1HWH-DVI | TCD140D1HWH-DVI  | TCD160D1HWH-DVI  |
| Outdoor Unit                     |                        |       | TCD71D1HWH-DVO                           | TCD85D1HWH-DVO | TCD100D1HWH-DVO | TCD125D1HWH-DVO | TCD140D1HWH-DVO  | TCD160D1HWH-DVO  |
| 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)               | Hot/Average/Cold       |       | 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)                | Hot/Average/Cold       |       | 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                       | H × W × D              | mm    | 245×1200×700                             | 245×1200×700   | 380×1510×945    | 380×1510×945    | 380×1510×945     | 380×1510×945     |
| Packing dimensions               | H × W × D              | mm    | 310×1380×830                             | 310×1380×830   | 455×1620×1010   | 455×1620×1010   | 455×1620×1010    | 455×1620×1010    |
| Supply air opening flange        | H × W                  | mm    | 149×1022                                 | 149×1022       | 245×1152        | 245×1152        | 245×1152         | 245×1152         |
| Return air opening               | H × W                  | mm    | 215×1091                                 | 215×1091       | 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 pressure level@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            |
| Outdoor Unit                     |                        |       |                                          |                |                 |                 |                  |                  |
| Dimensions                       | H × W × D              | mm    | 910×804×378                              | 910×804×378    | 1010×858×436    | 1010×858×436    | 1330 × 950 × 340 | 1330 × 950 × 340 |
| Packing dimensions               | H × W × D              | mm    | 1022×955×480                             | 1022×955×480   | 1135×970×530    | 1135×970×530    | 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            |
| Compressor                       | 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           | g/m   | 30                                       | 30             | 30              | 30              | 30               | 30               |
| Cooling temperature              |                        | °C    | 16-50                                    |                |                 |                 |                  |                  |
| Heating temperature              |                        | °C    | -15-24                                   |                |                 |                 |                  |                  |
| Power supply side                |                        |       | Outdoor unit                             |                |                 |                 |                  |                  |

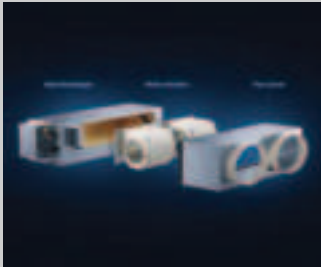
### 200PA High Static Pressure

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.



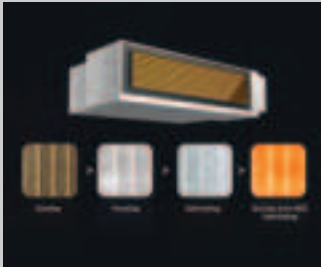
### Built-in Condensate Pump

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



### 48°C Self-cleaning

The evaporator features a self-cleaning process that includes dewing, frosting, defrosting, drying and 48°C sterilising to eliminate bacteria.



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