# Ceiling Concealed Duct

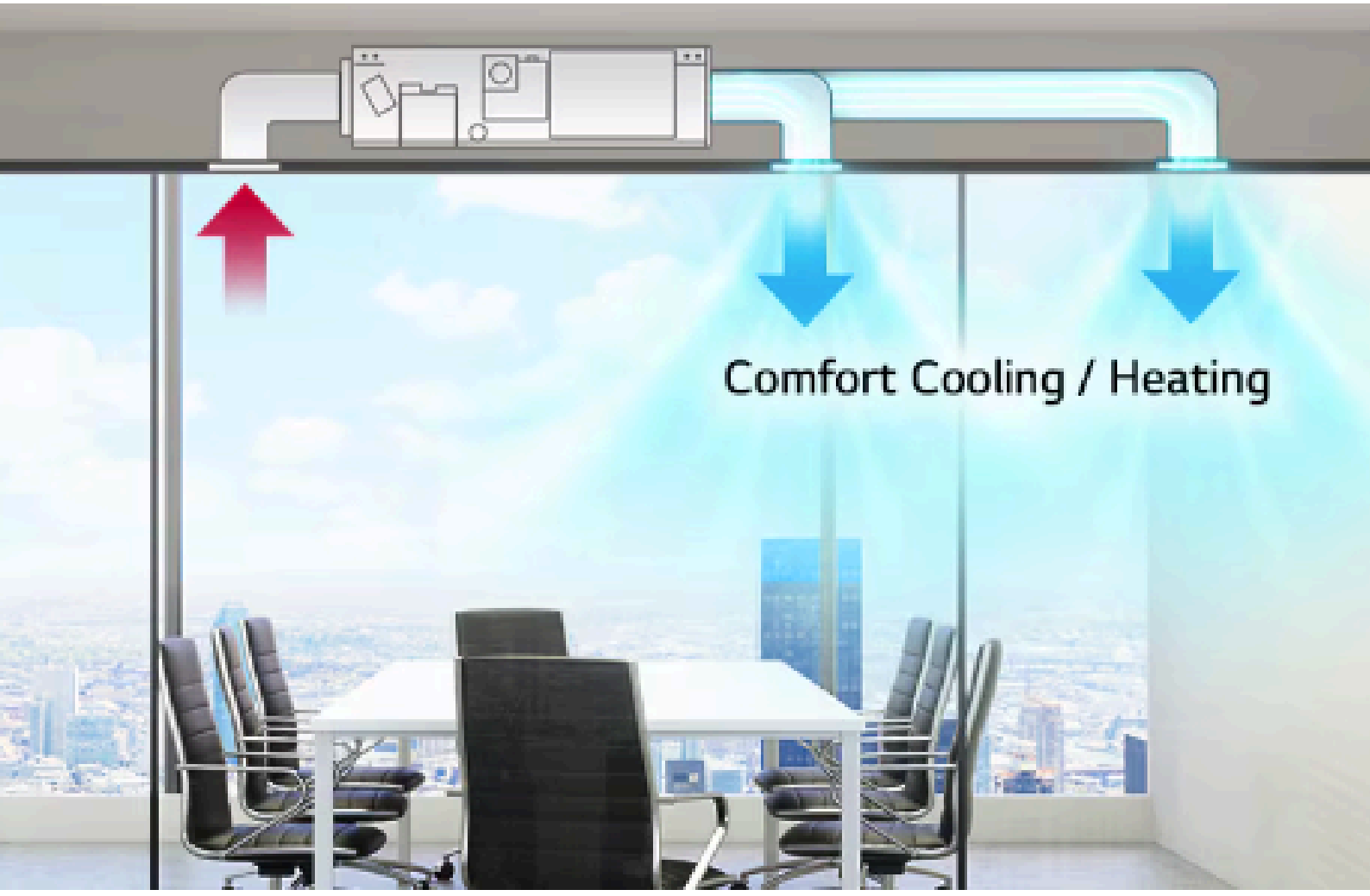
Invisible cooling solution suitable for applications that require interior aesthetics

# Operation for Multiple Rooms

Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling and heating for several rooms simultaneously.

# E.S.P. Control

E.S.P. (External Static Pressure) control function can make air volume controlled easily with remote controller. The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.

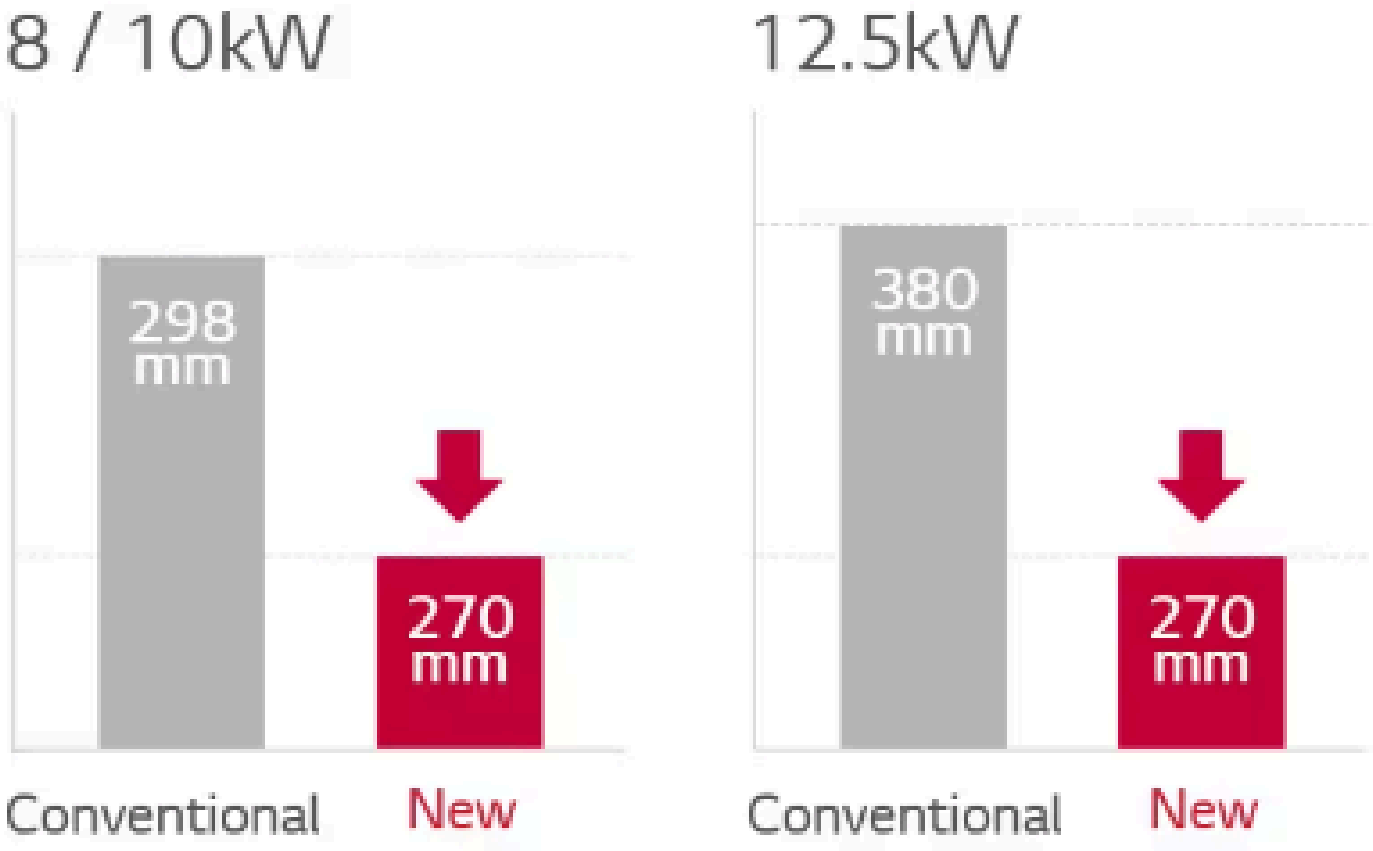


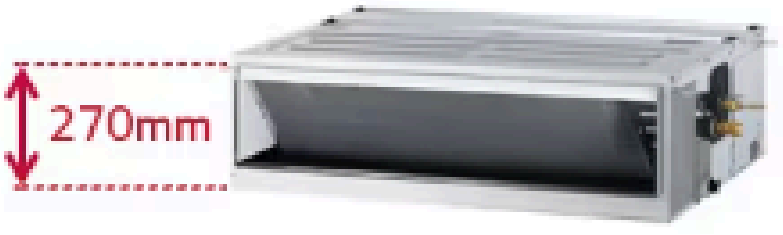
# Two Thermistors Control

The indoor temperature can be checked using the thermistors in the remote controller, as well as from the indoor unit to sensor temperature difference in one place. Two thermistors can optimize indoor air temperature for a more comfortable environment.

# Minimized Height

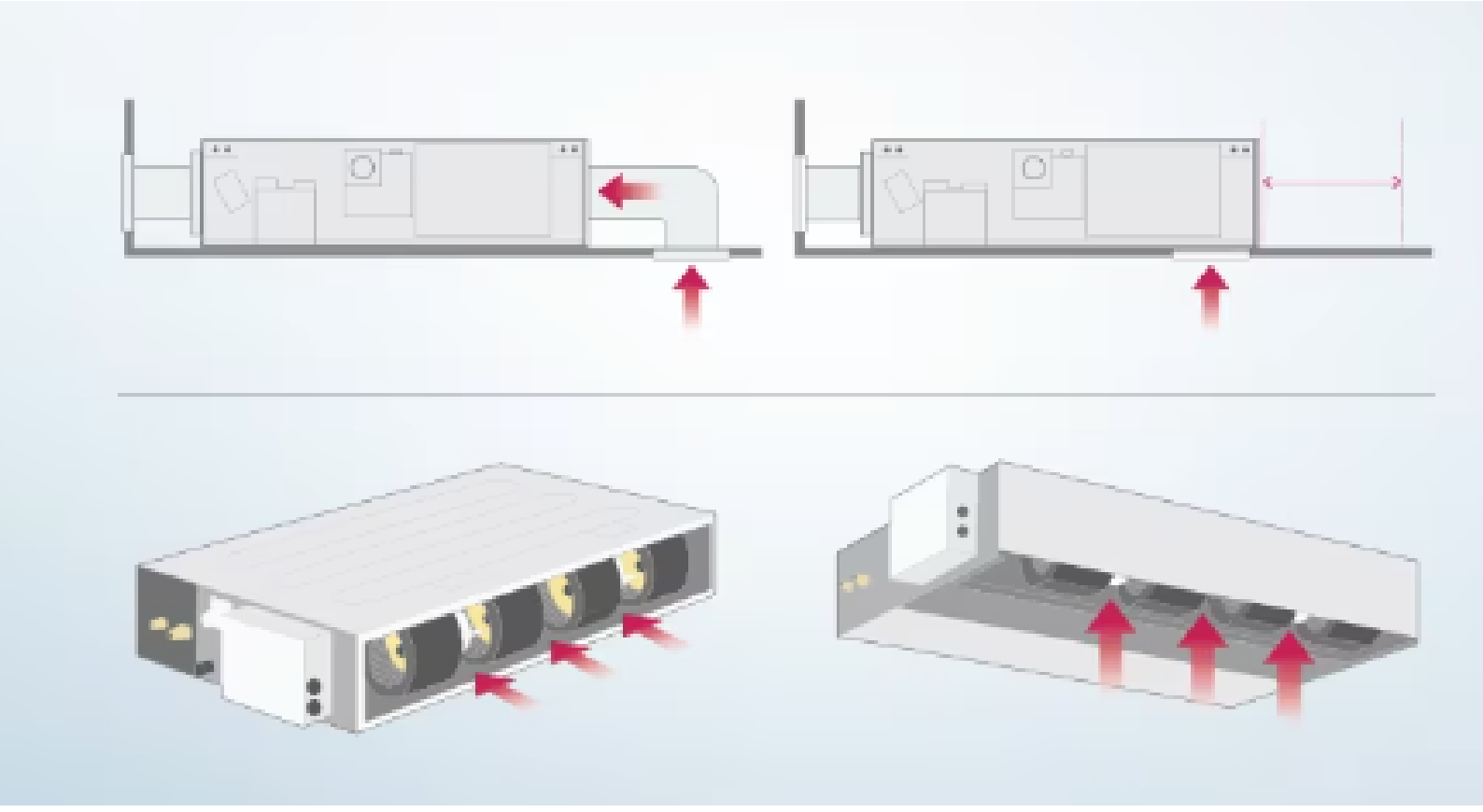
New mid-static ducts provide ideal solution for installation in limited space.



# Flexible Installation (Low Static Duct Only)

The new low static duct allows the air intake at the rear or bottom under installation condition.



# Ceiling Concealed Duct Line Up

| kW | 1.5 | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 6.2 | 7.1 | 8.2 | 9.0 | 10.6 | 12.3 | 14.1 | 15.8 | 22.4 | 28.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type / Btu/h | 5k | 7k | 9k | 12k | 15k | 18k | 21k | 24k | 28k | 30k | 36k | 42k | 48k | 54k | 76k | 96k |
| Mid / High Statics  | | ■ | ■ | ■ | ■ | ■ | | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ |
| Low Statics  | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | |
| Built-in  | | ■ | ■ | ■ | ■ | ■ | | ■ | | | | | | | | |
| High Sensible  | | ■ | ■ | ■ | ■ | ■ | | ■ | ■ | | ■ | | | | | |

## CAPACITY

| | | | |
|---|---|---|---|
| **Cooling - kW** | 22.4 | **Cooling - kcal/h** | 19,300 |
| **Cooling - Btu/h** | 76,400 | **Heating - kW** | 25.2 |
| **Heating - kcal/h** | 21,700 | **Heating - Btu/h** | 86,000 |

## POWER INPUT

| | |
|---|---|
| **Power Input(H / M / L) - W** | 765 / 500 / 500 |

## CASING

| | |
|---|---|
| **Casing** | Galvanized Steel Plate |

## DIMENSIONS (W × H × D)

| | | | |
|---|---|---|---|
| **Body - *mm*** | 1,562 × 460 × 688 | **Body - inch** | 61-1/2 × 18-1/8 × 27-3/32 |

## COIL

| | | | |
|---|---|---|---|
| **Rows × Columns × FPI** | 3 × 21 × 19 | **Face Area - m²** | 0.59 |

## FAN

| | | | |
|---|---|---|---|
| **Type** | Sirocco Fan | **Motor Output × Number - W × No.** | 375 × 2 |
| **Running Current - A** | 5.2 | **Air Flow Rate(H / M / L) (High Mode-Factory Set) - m³/min** | 60.0 / 50.0 / 50.0 |
| **Air Flow Rate(H / M / L) (High Mode-Factory Set) - ft³/min** | 2,119 / 1,766 / 1,766 | **External Static Pressure (High Mode) - mmAq(Pa)** | 22 (216) |
| **Air Flow Rate (H / M / L) (Standard Mode) - m³/min** | 64.0 / 50.0 / 50.0 | **Air Flow Rate (H / M / L) (Standard Mode) - ft³/min** | 2,260 / 1,766 / 1,766 |
| **External Static Pressure (Standard Mode) - mmAq(Pa)** | 15 (147) | **Drive** | Direct |
| **Motor type** | BLDC | | |

## TEMPERATURE CONTROL

| | |
|---|---|
| **Temperature Control** | Microprocessor, Thermostat for cooling and heating |

## SOUND ABSORBING THERMAL INSULATION MATERIAL

| | |
|---|---|
| **Sound Absorbing Thermal Insulation Material** | Foamed polystyrene |

## SAFETY DEVICE

| | |
|---|---|
| **Safety Device** | Fuse |

## PIPE CONNECTIONS

| | | | |
|---|---|---|---|
| **Liquid Side - mm(inch)** | Ø 9.52 (3/8) | **Gas Side - mm(inch)** | Ø 19.05 (3/4) |
| **Drain Pipe(Internal Dia.) - mm(inch)** | Ø 25 (1) | | |

## NET WEIGHT

| | |
|---|---|
| **Body - kg(lbs)** | 87.0 (192) |

## SOUND PRESSURE LEVELS

| | |
|---|---|
| **H / M / L - dB(A)** | 45 / 41 / 40 |

## SOUND POWER LEVELS

| | |
|---|---|
| **H / M / L - dB(A)** | 67 / 62 / 60 |

## POWER SUPPLY

| | |
|---|---|
| Power Supply - Ø, V, Hz | 1, 220-240, 50<br>1, 220, 60 |

## REFRIGERANT CONTROL

| | |
|---|---|
| Refrigerant Control | EEV |

## TRANSMISSION CABLE

| | |
|---|---|
| Transmission Cable - $mm^2$ × Cores | 1.0-1.5 × 2C |