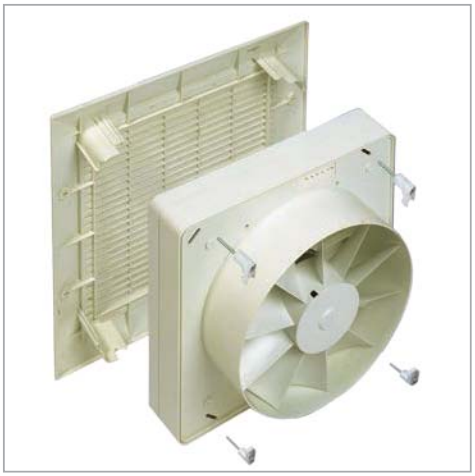
# Commercial Series Wall Fans
## Commercial Range

COMT/TK150/230/300







- The commercial series of built-in wall fans has been designed for flush fitting into external walls, fitting through most wall thicknesses using zinc coated metal telescopic wall liners. Installation is made simple in solid or cavity walls 155–300mm thick, or in walls up to 553mm thick using an extension sleeve.
- The extractor fan unit and internal grille are also available separately as they are designed to retro fit into most leading commercial wall fan liners, which minimises the need for making good and redecoration or removal of existing wall liners.
- The internal and external grilles are a single tough moulding. This greatly reduces vandalism and increases building security whilst only 23mm in profile. They have a 50mm flange for a smooth finish, which will blend unobtrusively into most backgrounds.
- Incorporating the latest ventilation technology and stylish design, these high performance extractor fans have an extract rate up to 278m$^3$/hr, 77 litres per second for the 150mm unit, 668m$^3$/hr, 185 litres per second for the 230mm units and 1100m$^3$/hr, 306 litres per second on the larger 300mm.
- In the 230mm and 300mm models power is provided by a 4 pole single phase induction motor with pre-oiled bearings for a long, maintenance free life. The 150mm version is fitted with a shaded pole motor with ball bearings.
- Models in the range include the standard unit, which has fixed louvres that also provide a natural source of trickle flow ventilation when the fan is switched off. The automatic model with thermo-activated internal backdraught shutters open shortly after the fan has been switched on.
- There is a variable speed and airflow direction option available on the 230mm and 300mm units, using the new stylish Manrose speed controller. This can be flush mounted into a standard single gang 35mm deep metal wall box.
- Designed for heavy-duty and extensive usage, the commercial units provide excellent ventilation in public and commercial sector applications such as hospitals, schools, railway stations, restaurants, public houses, offices, hotels and factories.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning. ABS is an easily recyclable material.
- Designed to comply with the Building Regulations on Ventilation (F1).

**The models shown are in white for photographic purposes only, models will be supplied in pebble grey**

EASY INSTALLATION

# Technical Details

## Cat. No. Product type

**WALL PANEL FAN UNIT**

| | |
|---|---|
| **COMT150** | Standard model with fixed grille |
| **COMT150A** | Automatic model with internal thermo-activated shutters |
| **COMT230** | Standard model with fixed grille |
| **COMT230A** | Automatic model with internal thermo-activated shutters |
| **COMT300** | Standard model with fixed grille |
| **COMT300A** | Automatic model with internal thermo-activated shutters |

**WALL FAN KIT**

| | |
|---|---|
| **COMTK150** | Standard model with fixed grille |
| **COMTK150A** | Automatic model with internal thermo-activated shutters |
| **COMTK230** | Standard model with fixed grille |
| **COMTK230A** | Automatic model with internal thermo-activated shutters |
| **COMTK300** | Standard model with fixed grille |
| **COMTK300A** | Automatic model with internal thermo-activated shutters |

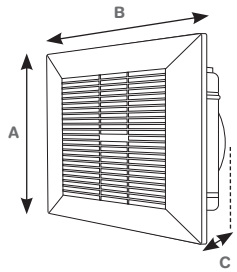
**ACCESSORIES**

| | |
|---|---|
| **COMTSCVR** | Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans |
| **COMTSCV** | Variable Speed Controller Extract with neon light for 150mm (6") fans |
| **1302/3/4/5** | 2.5/5/10/25m 5 Core Flexible Cable |
| **Comtkes150**<br>**Comtkes230**<br>**Comtkes300** | Extension sleeve for walls up to 533mm |

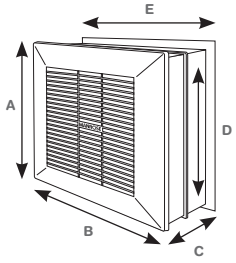
## Dimensions (mm)

| PRODUCT | A | B | C | D | E |
|---|---|---|---|---|---|
| COMT150 | 310 | 310 | 110 | | |
| COMT230 | 390 | 390 | 138 | | |
| COMT300 | 470 | 470 | 154 | | |
| COMTK150 | 310 | 310 | 160-290 | 275 | 288 |
| COMTK230 | 390 | 390 | 160-290 | 359 | 366 |
| COMTK300 | 470 | 470 | 160-290 | 440 | 447 |

**COMT Series**

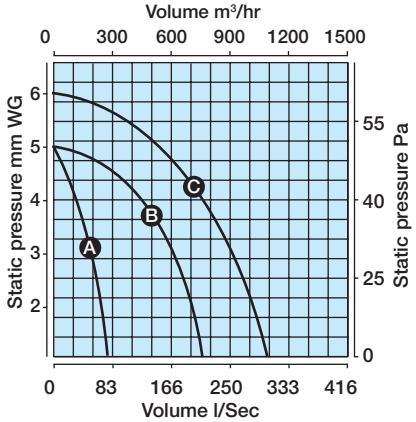



**COMTK Series**




## Performance Graph

(A) COMT150 Range 278m³/hr, 77 litres per second
(B) COMT230 Range 668m³/hr, 185 litres per second
(C) COMT300 Range 1100m³/hr, 306 litres per second




## Packaging

In outers of 1. Contact our Technical Department for packaging dimensions.

## Installation

The COMT fans are designed to retro fit into most leading commercial wall fan liners which minimises the requirement for making good and redecoration, or removal of existing wall liners. Contact our Technical Department for further details.

The telescopic body of the COMTK built-in wall fan allows easy installation in solid or cavity walls from 155mm to 300mm thick. The external and internal grilles have a 50mm flange for a smooth finish.

## Additional Data

**COMT150**
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature 40ºC

**COMT230**
Maximum pressure: 50 p.a.
Fan speed: 1600 r.p.m.
Sound volume: 53.0 dB(A)
Maximum operating temperature 40ºC

**COMT300**
Maximum pressure: 60 p.a.
Fan speed: 1300 r.p.m.
Sound volume: 60.0 dB(A)
Maximum operating temperature 40ºC

## Electrical

220-240V - AC. 50Hz ⧈. Single phase consuming 20W on 150mm Series, 41W on the 230mm Series and 68W on the 300mm Series. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should NOT be accessible to a person using either the shower or bath and mounted a minimum of 1.8m from the floor.