



Heavy Duty Fans @ Light Duty Prices<sup>®</sup>  
**Powervent**  
[www.powerventfans.com](http://www.powerventfans.com)



**BRACKET**



**TUBULAR**



**PEDESTAL**

# MANCOOLER

The Solution to Industrial Heat Problems



## NEED

Workers tend to lose energy and get exhausted while working in the intense heat on the shopfloors. This results in loss of productive capacity, decrease in output and strain in human relations. So a cooling appliance becomes essential. This is where **Powervent Mancooler** steps in.

## QUALITY

The **Powervent** Mancooler is superbly designed and manufactured to provide the best cooling comfort and is useful even in areas of high temperature such as steel plants and foundries. It cools the body by producing a high velocity air stream with maximum reach. The blast of air provided by it sets in motion the surrounding air, which increases as it covers distance.

## APPLICATIONS

- All shopfloors, specially those with furnaces, foundries and heat producing apparatus.
- Factories with large number of workers and machines.

- Cooling of brick kilns, cooling bottles in glass works, tempering furnaces and electrical equipment.
- Industrial cooling of castings, generators and other machines.
- Dehydration in cold storage of perishable and edible products.

## BENEFITS

It increases productive capacity and at the same time, improves industrial relations. It acts as the substitute for several fans of other types.

## VARIANTS

**A. PEDESTAL TYPE :** It is designed to be placed on the floor. The impeller and Motor are mounted on a heavy base and a robust supporting column.

**B. BRACKET TYPE :** It is useful where adequate floorspace is not available and it is fixed to the wall or column.

**C. TUBULAR TYPE :** In this type the Impeller and Motor Assembly is placed in a Tubular Casing having a provision for angular adjustment so as to channelise the air stream in the required direction. It is portable and stands steadily even on rough surface.

## TECHNICAL DATA

| Sweep |      | Supply  |              | Speed | Power |      | Total Air Delivery at 10 times Blade Sweep |                    | Minimum Peak Air Delivery at a distance of |                      |
|-------|------|---------|--------------|-------|-------|------|--|--------------------|--|----------------------|
|       |      |         |              |       |       |      |  |                    | 10 times Blade Sweep                       | 15 times Blade Sweep |
| Inch  | mm   | Volts   | Phase        | rpm   | Watts | HP   | C.F.M.                                     | m <sup>3</sup> /hr | m <sup>3</sup> /min                        | m <sup>3</sup> /min  |
| 12    | 300  | 230/415 | Single/Three | 2850  | 250   | 0.33 | 5250                                       | 9000               | 250  | 200                  |
| 19    | 480  | 230     | Single       | 1440  | 375   | 0.5  | 7000                                       | 12000              | 200  | 120                  |
| 19    | 480  | 415     | Three        | 1440  | 375   | 0.5  | 7000                                       | 12000              | 200  | 120                  |
| 19    | 480  | 415     | Three        | 2900  | 1800  | 3.0  | 13000                                      | 22000              | 250  | 200                  |
| 24    | 600  | 230     | Single       | 1440  | 500   | 1.0  | 16500                                      | 28000              | 250  | 150                  |
| 24    | 600  | 415     | Three        | 1440  | 500   | 1.0  | 16500                                      | 28000              | 250  | 150                  |
| 30    | 750  | 415     | Three        | 1440  | 1400  | 2.0  | 21500                                      | 37500              | 250  | 150                  |
| 36    | 900  | 415     | Three        | 960   | 1500  | 2.0  | 32500                                      | 55250              | 250  | 150                  |
| 36    | 900  | 415     | Three        | 1440  | 2000  | 3.0  | 37500                                      | 63750              | 275  | 175                  |
| 40    | 1000 | 415     | Three        | 960   | 3500  | 5.0  | 37000                                      | 63000              | 250  | 150                  |
| 48    | 1200 | 415     | Three        | 960   | 3700  | 5.0  | 43800                                      | 74500              | 250  | 150                  |

Generally conforming to IS : 6272

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DEALER

Since continuous development for improvements is a way of life with us, the product supplied may differ in minor details from what has been described in this leaflet