

## MAN COOLER For comfort of workmen



- Ruggedly built with heavy duty motor.
- Wide industrial application.
- Also ideal for cooling brick kilns, cooling bottles in glass works, external cooling of annealing furnaces, cooling industrial electrical apparatus etc.
- Minimum maintenance.
- Available in three categories : Pedestal, Bracket & Tubular.
- Cast aluminium high grade alloy aerofoil impeller.
- Also available with flame proof motors.

### TECHNICAL SPECIFICATION

Nominal Sweep (Inches/mm)	Speed (R.P.M.)	Motor Rating H.P.	Total Air Delivery at 10 times Blade Sweep (m <sup>3</sup> /h)	Minimum Peak Air Velocity at a distance of	
				10 times Blade Sweep (m/min.)	15 times Blade Sweep (m/min.)
19" (483 mm)	2900	3	22000	250	200
24" (610 mm)	1440	1	28000	250	150
30" (762 mm)	1440	2	37500	250	150
36" (914 mm)	960	2	56000	250	150
	1440	3	65000	275	175
48" (1220 mm)	960	5	74500	250	150

بروفين للتجارة العامة (ش.ذ.م.م.)

**PROFEN** GENERAL TRADING L.L.C  
 PROFESSIONAL ENGINEERS

Tel: +971 4 2289927, Fax: +971 4 2289947, P.O. Box 181926

Email : Sales@profenuae.com, website: www.profenuae.com

## SHOP FLOOR COMFORT

Workmen's health and well-being are essential for consistent quality output. MARATHON ELECTRIC MOTORS Man Coolers provide the necessary fresh air, so essential for upkeep of workmen's health in humid and dusty environment.

The MARATHON ELECTRIC MOTORS Industrial Cooling Fan is excellently engineered for such a cooling need and finds acceptance in high temperature environments such as steel plants and foundries. These fans play an effective part in cooling the body by producing a high velocity air stream over long distances to rapidly vaporize perspiration. The air stream sets in motion the surrounding air which becomes progressively greater in volume with the distances covered.

## BRACKET TYPE

The Bracket Type Man Cooler is suitable for mounting on the wall or



the column. A heavy steel tubular support is provided for mounting the fan. The air stream may be adjusted in horizontal and vertical plane by providing filtering arrangement. Wire-guard is also provided for both sides of the impeller for protection.

## TUBULAR TYPE

In Tubular Type Man Cooler, impeller and motor assembly are placed in a tubular cradle fitted with heavy feet for floor mounting.



Easily moveable from place to place, arrangement can be made, if necessary, for adjustment of the air stream through vertical plane only.

Wire-guards are provided at both sides of the casing which houses the fan assembly. This long casing helps to channelise the air stream effectively over a long distance.

## PEDESTAL TYPE

Pedestal Type Man Cooler is designed to be placed on the floor. Impeller and the Motor are mounted on a heavy base and steel supporting column. Wire guard is provided of both sides of the impeller for protection.

The air stream may be adjusted in vertical and horizontal plane by providing filtering head arrangement.



**NOTE :** The Company's policy is one of continuous development and improvement of its products and therefore, the right is reserved to supply products which may differ from those described and illustrated in this publication.

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## MARATHON Electric Air Circulators Fans

MARATHON Electric Air circulator Fans are the ultimate choice and find acceptance in high temperature environments. The air stream sets in motion the surrounding air which becomes progressively greater in volume with the distance covered and having relatively high air velocities in the Axial direction. Air circulator fans reduce the intense heat on the shop floor of the factory.

MARATHON Electric Air circulator fans are ideal choice for factories, cinemas, auditoria, schools, open air theatres, exhibition halls, hotels and for all applications where large amount of air is needed with relatively quite operation.

### Features

- Confirms to IS 2997-1969 standards.
- Uniquely designed impeller for maximum air thrust without distortion of blade profile.
- Facility to adjust angle of air stream.
- Low power consumption/Silent performance.
- Extension column with telescopic adjustment for heights between 1400mm to 1650mm and 1500mm to 1950mm
- Double shield bearings.
- Six chaise models :  
2 Blades 610mm Id. Pedestal/bracket.  
4 Blades 610mm Id. Pedestal/bracket.

4 Blades 750 mm Id.  
Pedestal/bracket.

- All these models are suitable for single phase and three phase power supply.
- Genuine 1 year guarantee.

### Pedestal Type

Pedestal type Air circulator Fans are designed to be placed on the floor. Cast aluminium alloy aerofoil section impeller and the totally enclosed squirrelcage Motor are mounted on a heavy base and steel supporting column. Wire guard is provided at both sides of the impeller for protection. The air stream may be adjusted in vertical and horizontal plane by providing head arrangement.

### Bracket Type

The Bracket type Air circulator Fans are suitable for mounting on the wall or the column. A heavy steel tubler support is provided for mounting the fan. The air stream may be adjusted in horizontal and vertical plane by



Wall Mounted Type



### Pedestal Type

providing tilting head arrangement. Wire guard is provided for both sides of the impeller for protection.

### Motor

The motors are totally enclosed, squirrel cage induction type. The single phase motors being capacitor start and run type is supplied with inbuilt condensers. The motor windings are insulated and impregnated with materials selected for high resistance to heat and humidity.