

# About Us

**Caravan Electricals Private Limited** was established in the year 1995 and has been manufacturing fans under the brand, **Calcutta Fan** since inception. Operating for nearly three decades, we offer top quality and cost effective ventilation solutions.

We have been a pioneer in growth and innovation in the fan & blower industry becoming one of the fastest growing companies in this sector and supplying to over 15 countries worldwide.



IndustryOutlook Magazine listed Calcutta Fan as one of the **Top 10 Industrial Fan and Blower Manufactures** in India, 2020.



**INDUSTRIAL FAN  
CATALOGUE**



Air Circulator Fan

These fans are suitable where a relatively high volume of air displacement is required such as large auditoriums, warehouses, railway platforms, assembly shops, stadiums, depots, workshops and factories. These fans are made of metal for longevity and durability.



Salient Features

- Totally enclosed capacitor run copper wounded motor with double ball bearing
- The motors are provided with class 'E' insulation
- Dynamically balanced impellers
- Low power consumption

Wall Mounted / Bracket type

The bracket type fan can be installed on either a wall or pillar. These fans can be swivelled or tilted to the desired direction and is most suitable where there is a shortage of floor space.

Pedestal Type

The pedestal type fan can be easily shifted from one place to another place and is provided with a tilting facility. The fan comes with a three core PVC cable line chord along with a three pin moulded plug.

AIR CIRCULATOR FAN

Models	Sweep			A.C. Supply (50 Cycles)	RPM	Power Input Watts	Distance from Fan in Feet	CFM	M3/HR
	inch.	mm	wings						
Minor	18	450	3	220 / 415 V	1400	90	9	7050	12000
Minor H.S.	18	450	3	220/415 V	2100	120	9	8500	14450
Major	24	600	2	220 / 415 V	1400	115	12	10,000	17,000
Shakti	24	600	3	220 / 415 V	1400	125	12	11,000	18,000
Industrial	24	600	4	220 / 415 V	1400	160	12	12,000	20,400
Heavy Industrial	30	762	4	220 / 415 V	1400	200	15	16,000	27,200

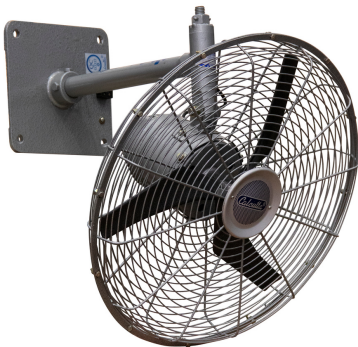
Performance as per IS : 2997



30" Wall Bracket Air Circulator Fan



24" Wall Bracket Air Circulator Fan



18" Wall Bracket Air Circulator Fan



18" Pedestal Air Circulator Fan



24" Pedestal Air Circulator Fan



30" Pedestal Air Circulator Fan

Mancooler Fan

As the name suggests, these fans are used for cooling purposes. While the primary function is to provide a cooling effect to manpower on the industrial shop floor, it can also be used for cooling machinery and equipment as well as drying of multiple products.

Application

- Any factory with a large workplace along with large number of workers and machinery
- Suitable for use in extremely hot, rough and rugged conditions
- Spot cooling of smelting areas in foundries, steel rolling mills, furnaces and casting industries
- Cooling purposes in brick fields, glass factories and rubber processing units
- Drying of coal, cement, sand in wet and humid conditions

Salient Features

- High velocity air stream over a widespread area
- Dynamically balanced impellers
- Energy efficient totally enclosed fan cooled motors



MANCOOLER FAN

Sweep		Volt/ Phase		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	R.P.M.	(Watts)	HP	C.F.M.	M / 3 hr.	(M/Min )	(M/Min )
18	457	230	Single	1440	375	0.5	7000	12000	200	150
18	457	415	Three	1440	375	0.5	7000	12000	200	150
18	457	415	Three	2900	1500	2.0	14000	24000	250	200
19	483	230	Single	1440	375	0.5	7300	12500	200	120
19	483	415	Three	1440	375	0.5	7300	12500	200	120
19	483	415	Three	2900	2200	3.0	14700	25000	250	200
24	600	230	Single	1440	750	1.0	16500	28000	250	150
24	600	415	Three	1440	750	1.0	16500	28000	250	150
30	750	415	Three	1440	1500	2.0	21500	37500	250	150
36	900	415	Three	960	1500	2.0	32500	55250	250	150
36	900	415	Three	1440	2200	3.0	37500	63750	275	175
39	1000	415	Three	960	3700	5.0	37000	63000	250	150
48	1200	415	Three	960	3700	5.0	43800	74500	250	150
48	1200	415	Three	1440	3700	5.0	48400	82300	250	150

Performance as per IS : 6272



Mancooler Fan

Mancooler Fans are available in Wall Bracket, Pedestal and Tubular variants.



MANCOOLER FAN



24" Wall Bracket Mancooler Fan



30" Wall Bracket Mancooler Fan



36" Wall Bracket Mancooler Fan



24" Tubular Mancooler Fan



30" Tubular Mancooler Fan



36" Tubular Mancooler Fan



24" Pedestal Mancooler Fan



30" Pedestal Mancooler Fan



36" Pedestal Mancooler Fan



Heavy Duty Exhaust Fans

Being multipurpose, it is the perfect solution for removal of steam and smoke as also for fresh air ventilation in Kitchen, Factory, Office, Laboratory, Toilet and Warehouses.



HEAVY DUTY  
EXHAUST FANS

Salient Features

- Totally enclosed capacitor run motor with double ball bearings.
- The motors are provided with class ‘E’ insulation.
- Dynamically balanced blades made of deep drawing metal sheets.
- Special treatment for use in corrosive and acidic environment can be provided.

Sweep		Speed	Volts	Power Consumption (Watts)	Air Delivery	
Inch	(mm)	R.P.M.			C.F.M.	M3 per Hour
9	(230)	1350	220	40	440	750
12	(305)	1400	220	80	1120	1900
15	(381)	900	220	85	1450	2460
15	(381)	1400	220	160	2350	4000
18	(457)	900	220/415	130	2550	4340
18	(457)	1400	220/415	370	4000	6800
24	(610)	700	220/415	240	4650	7900
24	(610)	900	220/415	500	6150	10450
36	(914)	550	415	700	12900	22100
36	(914)	700	415	1200	16500	28000

Performance as per IS : 2312



Front



Back



## Withering Trough Fans

Withering of green leaves is one of the important parts in the process of tea manufacturing and it requires withering trough fans to be installed to ensure evaporation of moisture from the green leaves.



## WITHERING TROUGH FANS

### Salient Features

- The mild steel casing of the fan is provided with flanged ends ensuring additional strength.
- Aerodynamically balanced impellers made of aluminium alloy.
- Reversible starters can be provided to enable clockwise and anti-clockwise rotation.
- Suitable protective guard is provided for safety.
- Energy efficient totally fan cooled motor.

Sweep		Motor	Pressure	CFM
36"	915mm	3HP/ 960 RPM	½ " WG	16000
39"	1000mm	3HP/ 960 RPM	½ " WG	18000
48"	1220mm	3HP/ 960 RPM	½ " WG	26000
48"	1220mm	5HP/ 960 RPM	½ " WG	33000
48"	1220mm	7.5HP/ 960 RPM	½ " WG	37000
48"	1220mm	10HP/ 960 RPM	½ " WG	40000
52"	1330mm	7.5HP/ 960 RPM	½ " WG	42000
54"	1370mm	7.5HP/ 960 RPM	½ " WG	45000

Performance as per IS :3588



Reversable Switch

DOL Starter



Axial Flow Fans

The fully cased axial flow fan is specially designed to meet the demands of industrial ventilation for removal of dust and fumes in hot, humid, dusty and corrosive environments where conventional Exhaust fans will not serve the purpose.

Salient Features

- The mild steel casing of the fan is provided with flanged ends ensuring additional strength.
- The unique axial impeller is manufactured from high pressure die-cast aluminium.
- Aerodynamically balanced impellers to ensure minimum vibration levels.
- The fans can be either direct driven or V-belt driven
- Energy efficient totally fan cooled motor.



AXIAL FLOW FANS

Impeller Dia (mm)	Motor Rating		Rated Speed (RPM)	Free Air Delivery at F.I.	Air Delivery in CMH at different static pressure in mm of swg							
	KW	(HP)			5	10	15	20	25	30	40	50
380	0.37	(0.5)	1420	3000	2550	2000	-	-	-	-	-	-
380	0.75	(1)	2800	5300	4950	4550	4400	4250	4000	3750	-	-
482	0.37	(0.5)	1420	6000	5600	4500	3000	-	-	-	-	-
482	0.75	(1)	1420	7000	6400	5800	4200	-	-	-	-	-
482	1.50	(2)	1420	9500	9000	8200	7750	7100	6600	6000	5200	-
482	2.20	(3)	2850	11000	10700	10500	10000	9600	9000	8500	7700	6200
482	3.70	(5)	2850	14500	14300	14100	13800	16500	13100	12700	12000	11200
610	0.75	(1)	950	10000	9000	7500	-	-	-	-	-	
610	0.75	(1)	1420	10500	10000	9200	7800	6500	-	-	-	-
610	1.10	(1.5)	1420	13200	13000	12500	10800	8500	-	-	-	-
610	1.50	(2)	1420	14500	13800	13200	11700	10000	-	-	-	-
610	2.20	(3)	1420	16000	1500	15000	14700	13500	-	-	-	-
610	5.50	(7.5)	2850	19500	19200	19000	18800	18500	17500	17000	16000	15000
610	7.50	(10)	2850	23000	22750	22600	22400	22000	21500	20900	20000	19500
760	0.75	(1)	950	13000	11500	10000	7800	-	-	-	-	-
760	1.10	(1.5)	950	16000	15000	13500	10000	-	-	-	-	-
760	1.50	(2)	950	18000	16500	15500	11800	-	-	-	-	-
760	1.50	(2)	1425	15000	14500	14000	13000	11800	-	-	-	-
760	2.20	(3)	1425	20000	19500	18600	17700	16500	14200	12000	-	-
760	3.70	(5)	1425	24000	23000	22000	21000	20000	17000	15500	-	-
760	5.50	(7.5)	1425	30000	29500	29000	27300	26700	26000	24000	-	-
914	1.50	(2)	710	22100	21200	18700	15300	-	-	-	-	-
914	2.20	(3)	710	24000	23800	22000	18500	-	-	-	-	-
914	2.20	(3)	950	25000	24600	23200	19000	17200	-	-	-	-
914	3.70	(5)	950	32000	30600	28900	27000	25200	-	-	-	-
914	5.50	(7.5)	950	40000	38200	37300	34000	30000	-	-	-	-
914	7.50	(10)	1425	38500	38000	37400	36900	35500	33000	30000	28100	24000
914	11.0	(15)	1425	46500	43800	44500	43500	42400	41200	40000	35700	32000
1220	5.50	(7.5)	710	60000	58000	52000	45000	40000	-	-	-	-
1220	7.50	(10)	710	68000	65000	60000	56000	43000	-	-	-	-
1220	5.50	(7.5)	960	60000	57000	54000	50000	44000	40000	35000	30000	-
1220	7.50	(10)	960	75000	73000	65000	59000	53000	48000	44000	41000	-

Performance as per IS :3588



Floor Mounted



Wall Mounted



## Centrifugal Fans

Centrifugal fans are offered in an extensive range for efficient handling of smoke and heat, dust particles, corrosive and heavy fumes in industries. The fans are designed with different blade configurations such as radial, forward curved, backward curved and aerofoil, which are used for different purposes, some for high air flow with high static pressure and others for low flow rates. Centrifugal fans can be fabricated from different materials - Mild Steel, Stainless Steel or High tensile steel.

### Salient Features

- Designed and fabricated according to customer specifications.
- Made to perform in harsh environments such as high temperatures and corrosive ones.
- Dampers can be provided for duty regulation.
- Speed control can be done by using Belt and pulley arrangement
- Energy efficient totally enclosed fan cooled motor.



## CENTRIFUGAL FANS





**WE PROVIDE COMPLETE CUSTOMISED  
VENTILATION SOLUTIONS FOR YOUR  
DIVERSE INDUSTRIAL NEEDS.**



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