



High Efficiency Centrifugal Fans

*Laxmi Industries*

**Manufacturing All types of Industrial and Centrifugal Blowers, Tubeaxial & Dust Collector etc.**

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## INDUCED DRAFT FAN

HIGH VOLUME MEDIUM PRESSURE FAN

For Boilers, Incinerators, Bag Houses and other industrial application, Fan available in heavy duty construction with or without inlet box.

### DISTINCTIVE FEATURES

Available in V-Belt drive / Direct Couple drive arrangement. Designed for direct conveying of highly abrasive materials and heavy dust. For handling fibrous materials, the fan is constructed with special impeller design. Designed for handling gasses with high temperature (upto 400°C) specially designed fans, to handle even higher temperature can be supplied.



## FORCED DRAFT FAN

MEDIUM VOLUME MEDIUM PRESSURE FAN

For supply of air for combustion systems, Cooling, Drying, Conveying, Glass Blowing Burners, Cupolas and other Industrial Application.

### DISTINCTIVE FEATURES

DIRECT DRIVE :

Low running cost, Reliable operation, Low installation cost, Low Maintenance cost, It can also be available in Coupling Drive or V-Belt Drive. Interchangeable impeller : Easy to adapt to altered Flow & Pressure requirements.

Backward curved Impeller for High efficiency.



## PRIMARY AIR FAN

LOW VOLUME HIGH PRESSURE FAN

For supply of combustion, Burners, Pneumatic conveying etc. Available in Single and Multi Stage designs

### DISTINCTIVE FEATURES

DIRECT DRIVE :

Low running cost, Reliable operation, Low installation cost, Low Maintenance cost, It can also be available in Coupling Drive or V-Belt Drive. Interchangeable impeller : Easy to adapt to altered Flow & Pressure requirements.

Backward curved Impeller for High efficiency.

**To select the right fan for your requirement, please send the following information to us.**

- Application
- Static Pressure
- Total Pressure
- Temperature
- Dust Content & Type of Dust
- Discharge Position
- Any Special Requirement

**MATERIAL OF CONSTRUCTION : Carbon Steel, Stainless Steel, Aluminum etc.**

**DRIVE SYSTEM : Through V-Belts & Pulleys, Through Coupling, Direct Mounted on Motor shaft**

### APPLICATION

For Forced Draft, Induced Draft, Primary Air, Secondary Air, Fume Extration etc.

### RANGE

From 1 HP to 300 HP and Pressure up to 70" WG. in Single stage.

### DYNAMIC BALANCING

All Impellers are dynamically balanced

### BEARING HOUSING

One single piece C.I. bearing for two bearing for lasting performance, which is better than common plumber blocks.

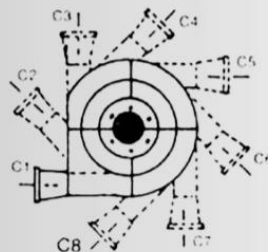
### WATER COOLING

Provided on all shafts of blowers handling hot gases above 250° C

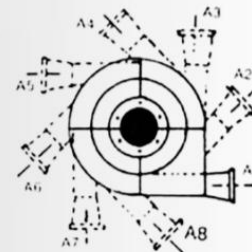
### TUBE AXIAL FANS

Tube axial fans of various ranges containing aluminum Impellers in M.S. casting offered. For bigger sizes, belt driven arrangement with external motor can be provided.

#### CUSTOMER TO SPECIFY ORIENTATION DURING ORDER PLACEMENT



Anti-clockwise direction of rotation viewed from Suction end.



Clockwise direction of rotation viewed from Suction end.

# CAPACITY CHART

PRESSURE IN INCHES W.G.	1"	2"	3"	4"	6"	8"	10"	12"	16"	20"	24"	28"	32"	36"	42"	48"	56"
MOTOR H.P.	<b>APPROXIMATE CAPACITIES IN CUBIC FEET PER MINUTE AT N.T.P</b>																
1/4	750	400															
1/2	1500	800	500	400													
1	3000	1600	1000	800	675	300	250	225	150								
2	6000	3200	2100	1600	1000	650	525	460	340	280							
3	8000	4800	3140	2400	1500	1080	1000	765	530	420	320						
5	11500	7350	5150	4000	3000	1800	1600	1350	900	720	600	500					
7.5	14500	10250	7500	5500	4000	3000	2550	2000	1490	1080	900	850	720				
10	20000	13400	9750	7750	5250	4000	3250	2900	2000	1575	1300	1175	1000	925			
12.5	27500	17000	12500	9750	6750	5100	4300	3575	2475	1970	1640	1400	1230	1150	900		
15	33000	20000	15250	12000	8250	6250	5500	4300	3100	2370	2025	1700	1550	1440	1180		
20	45000	20000	19500	15400	11000	7500	6800	5500	4320	3350	2700	2400	2100	1850	1440	1150	1000
25					12500	8750	8500	7200	5400	4250	3375	3000	2550	2325	1800	1250	1250
30						10500	9500	8500	6500	5200	4050	3500	3175	2800	2250	1800	1500
40							11200	10500	7800	6500	5200	4400	3850	3300	2800	2250	1900
50								12000	9500	8000	6750	5900	5250	4600	3700	3000	2450
60									11000	9300	7900	6600	6000	5250	4350	3250	
70										10500	9000	7300	6250	5400	4675		



IMPELLER FOR LOW  
PRESSURE CENTRIFUGAL  
FAN



ALUMINUM CAST  
IMPELLER FOR TUBE  
AXIAL FAN

