

## OTHER OFFERINGS

[www.cheemaboilers.com](http://www.cheemaboilers.com)

### CPP / IPP

- Powerpac Boilers
  - Atmospheric Fluidized Bed Combustion Boiler (AFBC)
  - Travelling Grate/ Dumping Grate/ Pulsating Grate/ Reciprocating Grate Boiler
- Slop Fired Boilers
- Waste Heat Recovery Boiler (WHRB)

### Process Industrial Boiler

- Hypac- AFBC
- Energypac- Grate Fired
- Energypac Plus/ Effypac - Manual/ Auto Fired
- Oilpac / Gaspac

### Retrofit & Spares

- Spares for Boiler Pressure Parts/ Non Pressure Parts
- Spares for Fuel Feeding Systems
- Structures
- Autoclave Heating Units
- Boilers Services
  - Annual Service Contract
  - Engineering and Operation audit of Boilers
  - O&M Services
  - RLA/ Health audit of Boiler
- Pollution Control Equipment's
  - Electrostatic Precipitators (ESP)
  - Bag Filter
  - Cyclones
  - Wet Scrubber



CBL quality standards are inspected and certified by prestigious global agencies like:



### CHEEMA BOILERS LIMITED

#### HEAD OFFICE :

D188, Sector 74, Mohali, Punjab (India)-160071  
Tel: +91-172-5090 487, 5055 666, Fax : +91-172-5090 486  
Email : [marketing@cheemaboilers.com](mailto:marketing@cheemaboilers.com)

#### SALES & SERVICES OFFICE :

Delhi NCR | Ahmedabad | Mumbai  
Kolkata | Vijayawada | Chennai

#### WORKS :

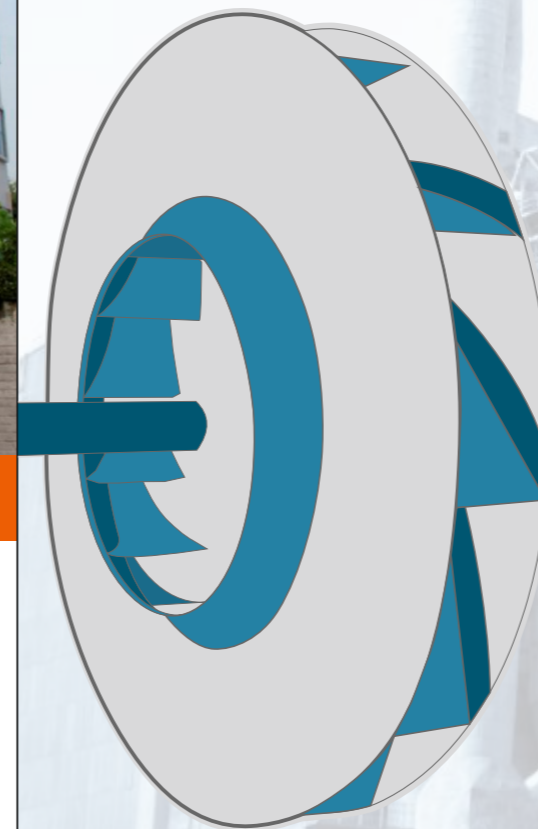
Banmajra, Kurali, Distt. Ropar, Punjab (India)  
Tel: +91-160-5005 800-02

### Certifications and Accreditations

- ISO 9001:2015
- ISO 14001 : 2015
- ISO 45001:2018
- ASME 'U' Certificate: Manufacture Pressure Vessels
- ASME 'S' Certificate: Manufacture & Assembly of Power Boilers
- ASME 'H' Certificate: Heating Boilers except cast iron and cast aluminium



## HIGH EFFICIENCY INDUSTRIAL FANS



Centrifugal Fans  
for Various Industrial  
Applications ▶▶▶

**CHEEMA BOILERS LIMITED**

# STURDY & EFFICIENT

## CBL Fans for Boiler Applications



Cheema Boilers Limited (CBL) has made a mark for itself in the last three decades by manufacturing premium range Boilers and allied products for clients across the globe and maximizing its reach worldwide.

Having manufactured over 7000 fans, CBL has established itself as a quality supplier providing high quality, energy efficient and long life industrial fans.

CBL operates with a large sales and service network covering entire India as well as many overseas locations.



### FAN TYPES & SPECIFICATIONS

- Custom engineered centrifugal Fans.
- Induced Draft, Forced Draft, Primary Air and Secondary Air Fans.
- Impellers with option of backward curved blades or backward inclined plate blades.
- Fans designed and manufactured as per Air Movement and Control Association (AMCA) standards.
- All impellers are dynamically balanced before fitments to give flawless operation.
- Variable speed controls depending upon specific requirements.

Impeller Diameter : upto 3500 mm  
 Flow rate: Upto 5,22,000 m<sup>3</sup>/hr  
 Static pressure: Upto 2000 mm WC  
 Inlet temperature : Upto 400°C  
 Speed : upto 3000 rpm  
 Total Efficiency : 88%

### CBL FANS ARE KNOWN FOR

ENERGY EFFICIENT DESIGNS	ROBUST CONSTRUCTION FOR LONG LIFE	OPTIMUM PERFORMANCE	CONTINUAL EVOLUTION THROUGH INNOVATIVE ENGINEERING
LOW NOISE LEVEL	LESSER MAINTENANCE	LOW RUNNING COST	EASY IMPELLER REMOVAL ARRANGEMENT

### MATERIAL OF CONSTRUCTION

High tensile steels (YS: 350-690 Mpa)  
 Forgings to En-3, 5, 8, 19, 24 Grades  
 Stainless steel  
 Carbon steel

### FAN TESTING FACILITIES

- Sound spectrum analysis
- Vibration analysis
- Impeller balancing
- Thermometer with Laser pointer
- Pressure measurement – Digital Manometer
- Fan flow measurement - Anemometer
- Fan speed measurement - Tachometer
- Temperature measurement - Infra Red
- Current measurement- Ampere Meter



### CENTRIFUGAL FANS SPARES & ACCESSORIES

All components of the Fan like:

Impeller, Shaft, Shaft sleeve, Bearings, Bearing housing, Impeller seal, Shaft seal, Coupling, Inlet Volume Control, Multi-Louver Parallel Blade Damper, Element of Expansion Joint etc.

### ACCESSORIES INCLUDING

- Inlet damper (Inlet vane control / Multi-louver / Butterfly type) with Electrical / Pneumatic / Hydraulic actuator
- Outlet damper with electrical / pneumatic actuator
- Multi-louver / guillotine type isolation damper
- Inlet silencer
- Flow measurement device like anemometer
- Blow-off system
- Lube oil system
- LV / HV motor
- AC drive
- Constant / variable speed fluid coupling
- Machine monitoring system

