



AIR MOVEMENT SOLUTIONS FANS

			Standard Offering	Custom Available	Dry Air or Gas	Moderate Dirt or Moisture	Typical Max. Temp. Fahrenheit (Celsius)	Static Pressure Range Inches Water Gauge (Millimeters Water Gauge)	Flow Range Cubic Feet per Minute (Cubic Meters per Hour)	Applications
Low Flow Radial Blade (LFRB)			✓	✓	✓		(121°C) 250°F	1-14 In. WG (25-356 mm WG)	100-2500 CFM (170-4248 m³/hr)	Scrubber exhaust, gas exhaust, ovens, light dust material handling.
High Pressure Radial Blade (HPRB)			✓	✓	✓	✓	1000°F (538°C)	14-125 In. WG (356-3175 mm WG)	100-100,000 CFM (170-169900 m³/hr)	Any low flow high pressure system, any heavy duty rugged application, wet scrubber exhaust, cooling, combustion air, fluidized beds, glass cooling, light dust material handling, pneumatic conveying.
Pressure Blowers (PB)			✓	✓	✓	✓	(121°C) 250°F	14-60 In. WG (356-1524 mm WG)	100-5500 CFM (170-9345 m³/hr)	Combustion air cooling, gas boosting, fluidized beds, dilution air, glass cooling, light dust material handling, pneumatic conveying.
General Industrial (GI)			✓	✓	✓	✓	800°F (427°C)	14-60 In. WG (356-1524 mm WG)	500-100,000 CFM (850-169900 m³/hr)	Wheel designs for clean air and material handling process applications. Material conveying, dust laden or particulate gas streams, wet scrubbers, paper trim, plastic trim, steel trim.
Radial Tip (RT)			✓	✓	✓	✓	1000°F (538°C)	25-70 In. WG (635-1778 mm WG)	4000 - 120,000 CFM (6796-203880 m³/hr)	Harsh environments with wet or dirty gas streams and higher volumes.
High Pressure Backwardly Curved (HPBC)			✓	✓	✓	✓	800°F (427°C)	up to 85 In. WG (up to 2159 mm WG)	up to 70,000 CFM (up to 118930 m³/hr)	High efficiency design for medium to high pressure applications. Air supply for boilers and oxidizers, glass cooling, lightly dust laden gas streams and/or corrosive applications.
High Pressure Air Foil (HPAF)			✓	✓	✓	✓	800°F (427°C)	up to 85 In. WG (up to 2083 mm WG)	up to 125,000 CFM (up to 212375 m³/hr)	Non-overloading very efficient design over a broad range of high pressure system requirements. Most often (HPAF) used in combustion air and forced draft applications.
Backwardly Inclined (BI)			✓	✓	✓		800°F (427°C)	10-25 In. WG (254-635 mm WG)	5000-180,000 CFM (8495-305820 m³/hr)	Non-overloading high efficiency design for clean air applications. Bag house, induced draft, forced draft.
Airfoil (AF)			✓	✓	✓		800°F (427°C)	10-25 In. WG (254-635 mm WG)	5000-180,000 CFM (8495-305820 m³/hr)	Non-overloading high efficiency design for clean air applications, induced draft, forced draft.

Note : Features shown do not necessarily show the machine / equipments in it's standards form. In view of our policy of continuously improving our products, we reserve the right to alter specifications or designs without prior notice & without liability .

Follow us on :

Bajaj Plant at MIDC Hingna, Nagpur



PRODUCTS & SERVICES

- Ginning Machines
 - Double Roller Gins
 - Saw Gins
 - Rotary Knife Roller Gin / Rotobar Gins
 - Single Roller Gins
- Seed Cotton Cleaners
- Seed Cotton Conveying Systems
 - Pneumatic
 - Belt
 - Central Screw Conveyor
 - Trolley
- Lint Cleaners
- Lint Conveying Systems
 - Belt
 - Pneumatic
 - 1. Direct Suction
 - 2. Intermittent Suction
- Bucket Elevators & Rotary Screw Lifts
- Cotton seed Conveying Systems
 - Pneumatic (Seed Blowing)
 - Screw Conveyor
- Cotton Boll Openers
- Hydraulic Roll Press for Leather Washers
- Leather Roll Grooving Machine
- Fire Detection & Diversion Systems
- Fully Automatic Ginning Plants
- Modernization of existing Gin plants
- General Fabrication
- GI. Ducting / Cyclone
- Heavy Engineering Equipment
- Dust Handling Systems
- Power Transmission Products
- Pod Cleaners
- Cotton Baling Presses
 - Down Packing (5 to 60 BPH)
 - Up Packing (5 to 100 BPH)
 - Horizontal / Mote Press
- Seed Cotton Baling Press (25 BPH)
- Steel Building Structurals & Civil Buildings
- Electrical Panels and Accessories
- Laser cutting of parts upto 25mm thick
- Cotton Seed Delinting Plant Machinery
- Cotton Seed Decorticating Plant Machinery
- Turnkey Projects
- Humidification Systems
- Bale Wire Ties
- High Quality Spares
- CNC Machining of parts
- Moisture Meters
- Laboratory Gin
- Pre Engineered Houses / Buildings / Sheds
- Fire Fighting & Hydrant Systems
- K House
- Steel Doors / Safety Doors
- Speciality Conveyors
- Blowers / Suction Fans
- Tractor Attachments
- Hydraulics Power Pack & Cylinders
- Machining & Sheet Metal Components

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AN ISO 9001 : 2015, 14001 : 2015 & OHSAS 45001 : 2018 CERTIFIED COMPANY



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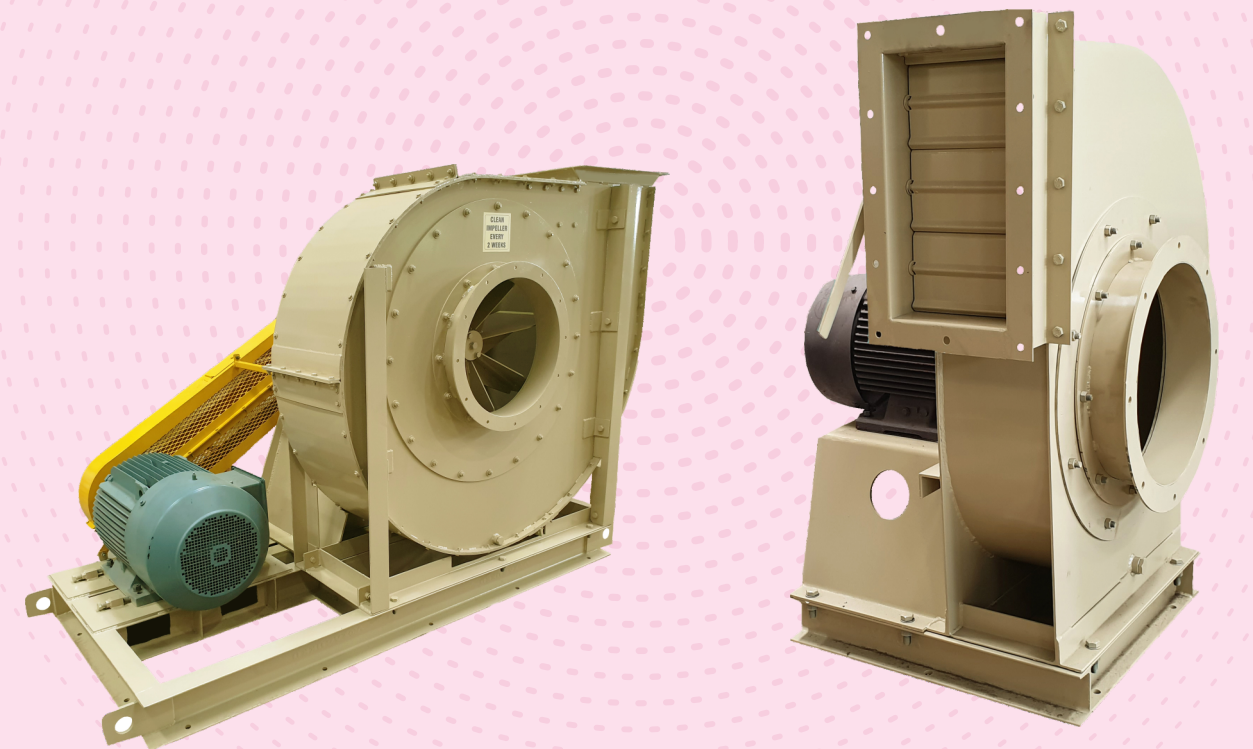
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A MULTI-PRODUCT ENGINEERING COMPANY



FANS & BLOWERS



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BAJAJ Group Nagpur

Bajaj Steel Industries Limited (Bajaj) a company of Bajaj Group of Nagpur India was established in 1961. It is a public limited company listed on Bombay Stock Exchange. With over five decades of experience and expertise Bajaj has a world-class engineering facility with diversified sectoral presence i.e. cotton ginning, pressing, delinting, decorticating machinery, steel buildings, electrical panels, spare parts etc.

In its quest for technology foray, Bajaj has acquired technology from M/s Continental Eagle Corporation USA for manufacturing and marketing of Saw Gins, Rotobar Gin and other equipments as sole licensee and now has emerged as global engineering player in its sector of operation with over 30,000 sq mt workshop on land area of around 32 acre.

Bajaj is an AN ISO 9001 : 2015, 14001 : 2015 & OHSAS 45001 : 2018 CERTIFIED COMPANY certified company equipped with full fledged design center and the state of art manufacturing facilities with highly equipped CNC Machine shop, at various plant locations in and around Nagpur and now added transmission products such as well designed high precision graded CI V Belt Drive Pulleys and Sprockets to achieve low maintenance and low energy cost. Its range of products meets the requirement of various sectors.

Bajaj, pulleys are well balanced and equipped with TL/QD busing for quick and easy installation. The pulleys are manufactured according to relevant grade and ISO standard to ensure the optimum performance. The quality of pulleys and sprockets made by Bajaj is world class.

All the Ginning & Pressing Machineries are manufactured under Technical Collaboration from Central Institute for Research on Cotton Technology (CIRCOT ICAR). The Pioneer Technical Body of Government of India in respect to Cotton Ginning & Pressing Technology.

Following Activities are carried out at Bajaj Group Nagpur.

- ◆ Largest and Modern Cotton Ginning & Pressing Machinery manufacturer
- ◆ World class Delinting and Decorticating machinery manufacturing
- ◆ Machining of components and parts for various applications
- ◆ All types of electrical panels / PLC panels and other electricals
- ◆ Pre Engineered Steel Buildings
- ◆ Structural fabrications
- ◆ Turnkey Engineering and construction projects
- ◆ Hydraulic equipments like cylinders, Power packs & Manifolds for various applications
- ◆ High quality mechanical conveyors and elevators
- ◆ World class Power Transmission Products
- ◆ Pneumatic conveying, dust / waste handling systems
- ◆ Humidification systems
- ◆ Centrifugal fans / blowers
- ◆ Cotton bale packaging materials
- ◆ Master batches, Plast Fibres
- ◆ Steel doors / Wood Doors

“

Quality is never an accident. It is the result of an intelligent effort. There must be a will to produce a superior thing.

”

- JOHN RUSKIN

Industrial Fan



Direct Drive Industrial fan is a high performance, trouble free fan proven in a multitude of industrial applications. The fan eliminates belt slippage and power loss. Also, there is no belt noise or troublesome belt maintenance. Direct drive fans are suitable for temperatures to 180°F.

Features

- Direct drive
- Rugged welded steel wheel
- Blades resist build-up
- Balanced and run tested
- Rigid housings
- Simplified lubrication

Operating Range

- Maximum CFM: 15,000
- Maximum Static Pressure: 26" wg
- Maximum Temperature: 180°
- Fan Sizes: 5 to 17

Industrial Centrifugal

The availability of two types of rugged radial wheels, the fans handle a wider spectrum of harsh airstreams and materials. The two housing designs further assure compatibilty with specific applications and installations.



Features

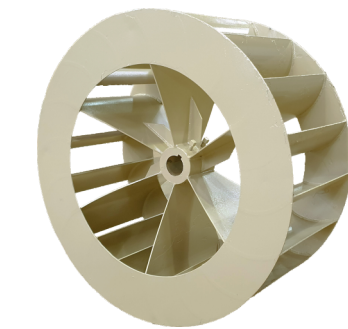
- Long shavings wheel (LS)
- Wool-fiber wheel (WF)
- Rugged, continuously welded heavy steel plate construction
- Flat Radial Blades handle dirty air and materials without build-up
- Stable performance from shut-off to wide open; operates without pulsation over a range of duties
- Oversize shaft and bearings
- Statically and dynamically balanced

Operating Range

- Maximum CFM: 70,000
- Maximum Static Pressure: 40" wg
- Maximum Temperature: 800°
- Fan Sizes: 5 to 33



Direct Drive Tube Axial



Features

- Unique airfoil blade
- Precision blade molding
- Direct drive

Fans with adjustable pitch blades are capable of more air delivery for the same horsepower. Efficiencies exceeding 70%. The entire length of the blade surface generates air flow, not just the tip alone. The air flow is uniform all along the blade.

Continuous duty motor

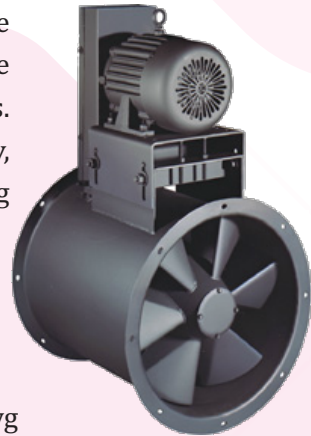
- Industrial quality
- Many sizes, blade configurations, pitches
- High pressures, volumes
- Run tested

Operating Range

- Maximum CFM: 60,000
- Maximum Static Pressure: 2" wg
- Maximum Temperature: 150°
- Fan Sizes: 16 to 48

Industrial Centrifugal

Wheels are furnished standard of welded steel construction with spun steel hub and die formed airfoil blades. Blades are heavy formed airfoil sections wider at the tip than at the root and of such a design as to create a completely new concept in axial-flow wheels. Wheel cone is a heavy gauge spinning, conical in shape which adds to the fan's efficiency, low noise characteristic and strength. Streamlined cap protects internal wheel mounting parts and helps guide air to the blades in an efficient flow pattern.



Features

- Variations in volume and pressure achieved with V-belt drive adjustment
- Die formed steel airfoil bladed wheel
- Steep pressure curve extends selection range
- Two blade pitches maximize efficiency
- External bearing lubrication / belt adjustment
- Rugged industrial strength construction
- Horizontal or vertical installation

Operating Range

- Maximum CFM: 108,000
- Maximum Static Pressure: 5" wg
- Maximum Temperature: 160°
- Fan Sizes: 15 to 54-1/4

Damper



What Better Source for Fan Dampers than the Original Fan Builder. The same Manufacturing Skills, Rugged Construction and Industrial Quality that's Included in Every Damper.

- Inlet Volume Control
- Outlet Dampers
- Inlet Box Louvre Dampers
- Butterfly Dampers