



FANS AND BLOWERS

Leading provider of air movement solutions
that exceed industry expectations

CHICAGO BLOWER
OCEANIA

ABOUT US

Chicago Blower Oceania is the Sole and Exclusive licensee of Chicago Blower Corporation (USA) for the Oceania region. Chicago Blower has been represented in Australia since 1967 with thousands of fan installations in the region.

With access to over 70 years of Chicago Blower's extensive engineering experience and AMCA certified designs, we are equipped to offer a very wide variety of fans and blowers to satisfy any industrial or commercial requirement.

All drafting and fabrication is handled in-house, in Australia, by a team of engineers and production specialists with decades of experience on designing and manufacturing industrial fans.



**PROUDLY AUSTRALIAN
MADE, OWNED AND
OPERATED**



**OVER 100,000
INSTALLATIONS
WORLDWIDE**



**TRUST THE LEADING NAME
IN FANS AND BLOWERS.
TRUST CHICAGO**

BACKWARD INCLINED



INDUSTRIAL FANS

Design 10 fans are for high volume clean air and most light industrial applications. Single or double width, construction classes I-III. Temperatures up to 425°C.

Sizes: 135 up to 807

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
124	263,000	7.5	30



HIGH PRESSURE BACKWARD CURVED

Pre-engineered fan, the Design 95 delivers the reliability of a custom designed fan at the price and lead time of a standard production fan. The wheel uses heavy duty backward curved blades designed to handle dusty and harsh environments. The solid steel blades are also ideal for custom applied corrosion resistant coatings. Temperatures up to 425°C.

Sizes: 182 up to 890

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
182	385,000	10.0	40





INDUSTRIAL AIRFOIL FANS

Designed with high-efficiency airfoil wheels these fans are ideal for combustion air, product cooling, high-pressure drying and the supply of air-liquid agitation applications. Single surface backward curved wheels for light dust loads are also available. Fans feature heavy duty roller bearings, shaft and a rugged base mount. They can be provided in Arrangements 1 and 9 belt drive, or Arrangement 8 direct coupled drive.

Sizes: 2700 up to 6600

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
80	170,000	10.0	40



PACKAGED FORCED DRAFT

Direct drive Arrangement 4 PFD packaged fans with reinforced airfoil wheels are designed for higher pressure supply air applications, such as packaged boilers. Steep, stable pressure curve allows near constant air delivery. Three wheel designs for all standard motor speeds offer a broad performance range.

Sizes: 135 up to 807

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
124	263,000	7.5	30

MARKET OPERATION

Chicago Blower fans are designed to be efficient and extremely robust to handle different applications in the industry of your choice. Including:

HVAC

- Car park Supply and Exhaust Fans (DWDI's)
- Kitchen and Toilet Exhaust Fans (SWSI's)
- Axial Fans (Inline, Wall and Roof Mounted)

Process

- Food Industry Processes
- Mining Processes
- Combustion Fans
- Fans in Transport Applications
- Fans in Cement Processing
- Waste Water and Treatment Processes

Agriculture

- Silo's and Grain Drying
- Cotton Processing

Industrial

- Process Fans
- Blasting and Spraying
- Dust and Fume



SINGLE WIDTH

Known for high efficiency, low sound levels, and low horsepower, the Design 51 fan is used extensively in industrial supply and exhaust systems.

Sizes: 135 up to 807

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
113	240,000	5.5	22



DOUBLE WIDTH

Designed for greater volumes, the double width Design 51 is ideal for variable air volume systems and available with Chicago's exclusive Inlet Volume Control.

Sizes: 135 up to 807

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
201	425,000	5.5	22



PLUG / PLENUM FANS

Unhoused fans for easy installation directly into a plenum. Ideal for retro applications to expand system performance within the same space. Temperatures up to 80°C.

Sizes: 135 up to 807

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
109	230,000	4.2	17

PRESSURE BLOWERS

For Combustion Air, Process Applications, Pneumatic Conveying



CAST ALUMINUM

Design 38 blowers for fume/dust control, forced air drying and cooling. Match multiple wheels/inlets to eight housing sizes to meet required performance. Temperatures up to 90°C.

Sizes: 800 up to 1829

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
2	5,000	5.0	20



SINGLE STAGE

Design 53 blowers are suited for pneumatic conveying, combustion, and various other high pressure applications. Available in belt drive, direct drive or direct coupled configurations. Temperatures up to 345°C.

Sizes: A to R

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
8	18,000	22.6	91

ARRANGEMENT

4F FANS

For Dust Collectors, Air Filtration, Pneumatic Conveying and Laser Cutters



Specifically designed to be flange mounted these fans are ideal for installations that require a compact reliable fan. These direct drive fans keep maintenance to a minimum and increase efficiency and reliability.

- Sizes 100 to 365
- Volumes up to 22m3/s / 47,000 CFM
- Pressures up to 6kPa / 23 inch WG

RADIAL BLADED FANS

Pre-Engineered Fans for Dirty Airstreams, Material Handling



ICF INDUSTRIAL FANS

Industrial centrifugal fans with flat bladed wheel resists material buildup while maintaining balance. Heavy duty shaft and bearings. Temperatures up to 425°C.

Sizes: 7 up to 41

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
57	120,000	10.0	40



INDUSTRIAL RADIAL TIP

With rugged radial tipped wheels, the IRT is ideal for induced draft, industrial dust collection, and the most harsh airstreams. The fan is available in belt drive Arrangement 1 and 9 configurations plus direct drive Arrangement 8.

Sizes: 3000 up to 6000

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
76	160,000	8.2	33

VANE AXIAL FANS

For Ventilation, HVAC, Industrial Applications



ADJUSTABLE PITCH

Adjustable pitch fans are recommended for installations where air demands may change but continuous automatic control is not needed. Blade pitch is set externally at the hub to alter air volume or pressure. Aluminum alloy airfoil blades and hub assure reliable performance. Direct drive and belt drive.

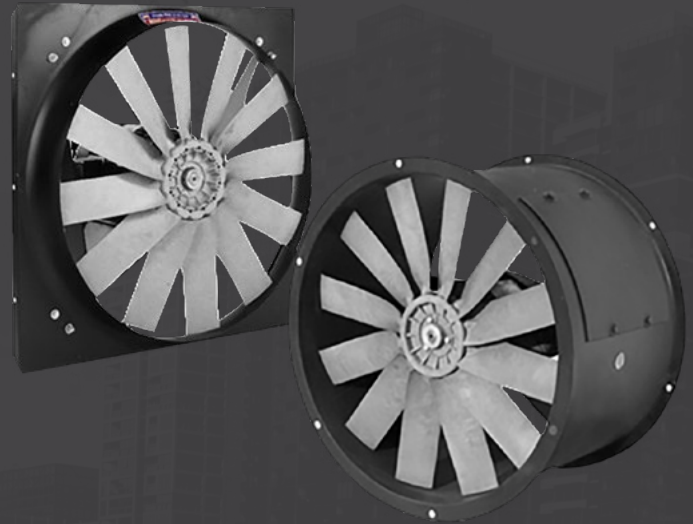
Sizes: 1650 up to 8075

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
123	260,000	5.0	20

ADJUSTABLE PITCH AXIAL RANGE

FEATURES

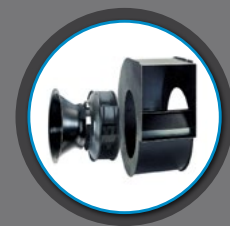
- Case diameters 315—2000mm
- Airflow to 75,000 L/s
- Static pressure to 1,500 Pa
- Matching attenuators
- Installation ancillaries
- Speed control range
- Heavy gauge galvanised steel
- High temperature options
- Direct Drive
- Dual Fan Contra-Rotating
- Dual Fan - Run and Standby
- Belt Drive
- Bifurcated
- Flame proof options
- Energy efficient smart control options



COMPONENTS

For Retrofit Requirements

Wheels, housings, inlet cones, inlet vane controls, shafts, drive components and motors are available for your maintenance requirements. We are able to customise replacement parts for any current fan that may require components (regardless of brand).



Fan Kit SW



Airfoil Wheel with Custom Blue Paint

CUSTOM FANS

Efficient Choice for Clean Air, Fumes, Light Dust

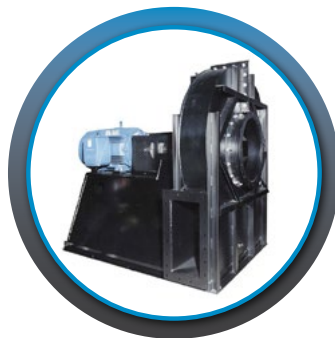


MECHANICAL DRAFT FANS

A wide selection of airfoil, backward curved and radial tip wheel designs are available for forced and induced draft applications. Typical installations include incinerators, bag-houses, kilns, furnaces as well as other custom processes. Fans are custom built in most arrangements, fully factory completed, and field erected fans.

Wheels to 146

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
472	1,000,000	17.4	70

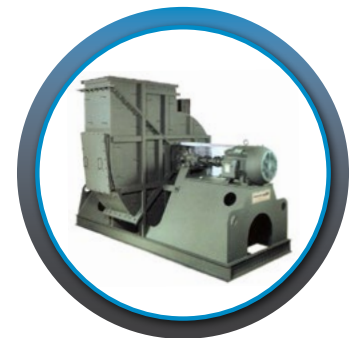


PRESSURE AIR FANS

Heavy radial wheels are recommended for pollution control applications, such as continuous duty of primary air on burners, pulverizers, fluidizers and scrubbers. Options include abrasion and corrosion resistant construction materials. Variable widths and diameters provide exact performance with direct drive convenience.

Wheels to 150

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
208	440,000	26.9	108



API FANS

All custom fans are available with API 673 and 560 construction features to meet the stringent demands of the petroleum industry. Although fans are built for a variety of refinery applications, each one is individually engineered using one of 15 distinct designs to fulfill performance specifications and the unique demands of the installation.

Sizes: 135 up to 807

VOLUME		PRESSURES	
m3/s	CFM	kPa	inch WG
124	263,000	7.5	30

APPLICATION BY FAN TYPES

	BACKWARD INCLINED INDUSTRIAL FANS	HIGH PRESSURE BACKWARD CURVED FANS	HIGH VOLUME FANS	INDUSTRIAL AIRFOIL FANS	PACKAGED FORCED DRAFT FANS	SINGLE WIDTH FANS	DOUBLE WIDTH FANS	PLUG / PLENUM FANS	CAST ALUMINIUM BLOWERS
AGRICULTURE - COTTON PROCESSING	✓	✓		✓		✓			✓
AGRICULTURE - GRAIN AERATION AND DRYING	✓			✓		✓			✓
BLAST AND SPRAY PAINTING	✓		✓	✓		✓			✓
CAR WASH	✓					✓		✓	
CEMENT	✓	✓				✓			✓
CHEMICAL PROCESSING	✓			✓		✓			
CLEAN ROOMS			✓	✓		✓		✓	
COMBUSTION AND BURNER SYSTEMS		✓			✓	✓			✓
DUST AND FUME	✓	✓			✓				✓
FOOD AND BEVERAGE	✓			✓		✓			
GENERAL VENTILATION (HVAC)			✓			✓	✓		
MANUFACTURING	✓	✓	✓	✓		✓			✓
MARINE	✓					✓	✓	✓	✓
MINING AND MINERALS PROCESSING	✓			✓		✓			
PAPER AND PULP PRODUCTION	✓	✓		✓		✓	✓		
PETROCHEMICAL	✓	✓		✓	✓	✓	✓		
PHARMACEUTICAL	✓	✓		✓		✓	✓		
PNEUMATIC CONVEYING		✓	✓	✓		✓			✓
POWER GENERATION	✓	✓		✓		✓	✓		
RECYCLING	✓			✓		✓			✓
TRANSPORTATION						✓		✓	✓
WATER TREATMENT	✓			✓		✓			✓

APPLICATION BY FAN TYPES

	SINGLE STAGE BLOWERS	INDUSTRIAL FANS	INDUSTRIAL RADIAL TIP FANS	VANE AXIAL FANS	ADJUSTABLE PITCH FANS	MECHANICAL DRAFT FANS	HIGH PRESSURE FANS	API FANS
AGRICULTURE - COTTON PROCESSING	✓	✓	✓			✓	✓	
AGRICULTURE - GRAIN AERATION AND DRYING	✓		✓		✓		✓	
BLAST AND SPRAY PAINTING		✓						
CAR WASH	✓						✓	
CEMENT	✓	✓					✓	
CHEMICAL PROCESSING	✓	✓	✓		✓	✓		
CLEAN ROOMS					✓			
COMBUSTION AND BURNER SYSTEMS		✓	✓			✓	✓	
DUST AND FUME			✓	✓			✓	
FOOD AND BEVERAGE	✓	✓	✓		✓	✓		
GENERAL VENTILATION (HVAC)				✓	✓			
MANUFACTURING	✓	✓	✓		✓	✓	✓	
MARINE	✓				✓			
MINING AND MINERALS PROCESSING	✓	✓	✓	✓	✓	✓	✓	
PAPER AND PULP PRODUCTION	✓	✓	✓		✓	✓	✓	
PETROCHEMICAL					✓		✓	✓
PHARMACEUTICAL	✓	✓	✓		✓	✓	✓	
PNEUMATIC CONVEYING		✓	✓	✓			✓	
POWER GENERATION	✓	✓	✓		✓	✓	✓	
RECYCLING	✓	✓	✓		✓	✓		
TRANSPORTATION				✓			✓	
WATER TREATMENT	✓	✓	✓		✓	✓	✓	

RECENT PROJECTS



Mining Project
Western Australia



BHP Project
Queensland



Agriculture Project
New South Wales

APPLICATIONS



Cotton Processing



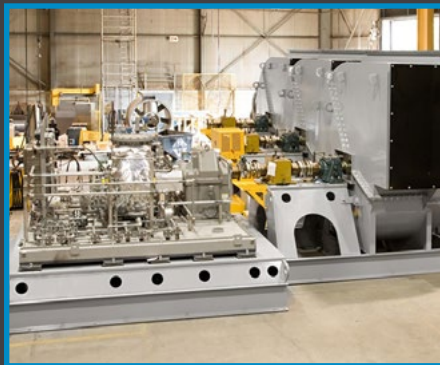
Dust Collection



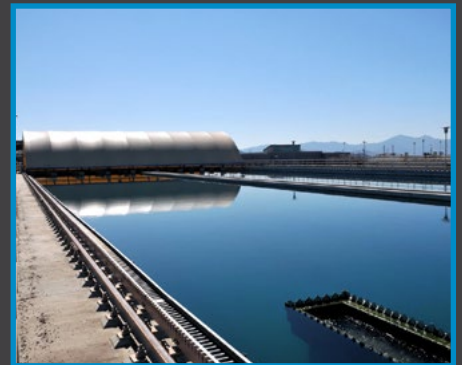
Ovens



Drag lines



Power Regeneration




Water Treatment



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