

PRESSURE BLOWERS



OVERVIEW



Model TBR
NOx Exhaust



Model MBO
Flue Gas Recirculation



Model TPB
Hospital Ventilation



Model TBR
Process Fan

PRESSURE BLOWERS

Pressure Blowers are ideal for applications requiring high pressures at relatively low volumes of air. Pressure blower performance will remain stable through the operating range and can be turned down to zero flow via a discharge damper. Twin City Fan offers a wide range of fan types and sizes to meet clean or particulate laden airstream applications.

WHEEL TYPES

Backward Curved, Backward Inclined & Radial Fabricated Wheels in Open or Shrouded Designs, Fiberglass, Cast Aluminum Radial or Backward Curved

TYPICAL INDUSTRIES

Air Pollution Control, Asphalt, Boilers, Brick, Cement, Chemical, Coal, Composting, Ethanol, Food & Beverage, Foundry, General Manufacturing, Glass, Industrial Processes, Metal & Minerals, Microchip, Mining, Nuclear, Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Recycling, Textile, Transportation, Water Treatment

COMMON ACCESSORIES

Access Door, Belt Guards, Drain, Evasé, Inlet Bell, Inlet Box, Inlet/Outlet Companion Flange, Inlet/Outlet Damper, Inlet Filter, Inlet/Outlet Flange, Inlet/Outlet Screen, Inlet/Outlet Silencer, Outlet Blast Gate, Shaft & Bearing Guard, Shaft Seal, Split Housing, Vibration Isolation, Special Coatings, Insulated Housings

OPTIONAL CONSTRUCTION

High Temperature Construction, Nominally Leak-Tight Construction, Spark Resistant Construction (Type A, B and C), Special Materials



TBNA

TURBO PRESSURE BLOWER, ALUMINUM WHEEL

- > 14.5 to 38 inches (370 mm to 970 mm) wheel diameters
- > Airflow to 20,000 CFM (34,000 m³/hour)
- > Static pressure to 128 inches w.g. (31,820 Pa)
- > **Typical Applications:** Air Pollution Control, Process Cooling, Dust Collection, Explosion-Proof Processes, Drying Applications, Vacuum Systems, Process Applications, General Manufacturing, Exhaust, Waste Water Treatment, Combustion Air



CATALOG 1250

TBNS

TURBO PRESSURE BLOWER, STEEL WHEEL

- > 14.5 to 38 inches (370 mm to 970 mm) wheel diameters
- > Airflow to 20,000 CFM (34,000 m³/hour)
- > Static pressure to 128 inches w.g. (31,820 Pa)
- > **Typical Applications:** Air Pollution Control, Process Cooling, Dust Collection, Explosion-Proof Processes, Drying Applications, Material Handling, Pneumatic Conveying, Process Applications, Waste Water Treatment, Vacuum Systems, Combustion Air, Exhaust, General Manufacturing



CATALOG 1250

TBA

TURBO PRESSURE BLOWER, AIR HANDLING WHEEL

- > 11.19 to 32.06 inches (285 mm to 815 mm) wheel diameters
- > Airflow to 28,700 CFM (48,800 m³/hour)
- > Static pressure to 70 inches w.g. (17,400 Pa)
- > **Typical Applications:** Air Pollution Control, Process Cooling, Dust Collection, Explosion-Proof Processes, Drying Applications, Vacuum Systems, Process Applications, General Manufacturing, Exhaust, Waste Water Treatment, Combustion Air

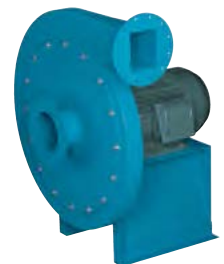


CATALOG 1200

TBR

TURBO PRESSURE BLOWER, RADIAL BLADED WHEEL

- > 10.75 to 35.19 inches (275 mm to 895 mm) wheel diameters
- > Airflow to 10,100 CFM (17,200 m³/hour)
- > Static pressure to 104 inches w.g. (25,860 Pa)
- > **Typical Applications:** Air Pollution Control, Process Cooling, Dust Collection, Explosion-Proof Processes, Drying Applications, Vacuum Systems, Process Applications, General Manufacturing, Exhaust, Waste Water Treatment, Combustion Air



CATALOG 1200

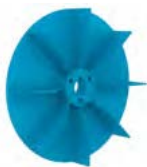
BCN

BACKWARD CURVED HIGH PRESSURE FAN

- > 27 to 73 inches (685 mm to 1,855 mm) wheel diameters
- > Airflow to 75,000 CFM (127,400 m³/hour)
- > Static pressure to 100 inches w.g. (24,860 Pa)
- > **Typical Applications:** Air Pollution Control, Boiler Systems, Exhaust, Process Cooling, Dust Collection, Forced Draft, Explosion-Proof Processes, Water Treatment, General HVAC, Process Applications, General Manufacturing, Combustion Air, Drying



CATALOG 1450



CATALOG 1260

PBW

PRESSURE BLOWER, BACKPLATE RADIAL

- > 19 to 26 inches (485 mm to 660 mm) wheel diameters
- > Airflow to 7,700 CFM (13,100 m³/hour)
- > Static pressure to 60 inches w.g. (14,920 Pa)
- > **Typical Applications:** Textile Fiber Stripping and Recycling, Air Pollution Control, Process Cooling, Dust Collection, Explosion-Proof Processes, Drying Applications, Material Handling, Pneumatic Conveying, Process Applications, Waste Water Treatment, Vacuum Systems, Combustion Air, Exhaust, General Manufacturing



CATALOG 1400

MBO

HEAVY DUTY PRESSURE BLOWER, OPEN RADIAL

- > 19.63 to 58.94 inches (500 mm to 1,500 mm) wheel diameters
- > Airflow to 18,000 CFM (30,600 m³/hour)
- > Static pressure to 170 inches w.g. (42,270 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, Exhaust, Process Cooling, Explosion-Proof Processes, General HVAC, Drying Applications, Vacuum Systems, Material Handling, Pneumatic Conveying, Waste Water Treatment, Process Applications, Combustion Air

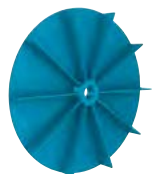
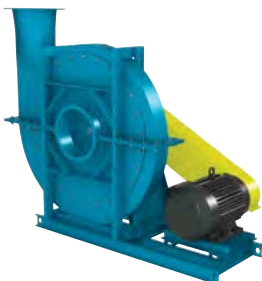


CATALOG 1400

MBR

HEAVY DUTY PRESSURE BLOWER, HIGH PRESSURE AIR HANDLING

- > 19.63 to 58.94 inches (500 mm to 1,500 mm) wheel diameters
- > Airflow to 18,000 CFM (30,600 m³/hour)
- > Static pressure to 180 inches w.g. (44,750 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, Exhaust, Process Cooling, Explosion-Proof Processes, General HVAC, Drying Applications, Vacuum Systems, Material Handling, Pneumatic Conveying, Waste Water Treatment, Process Applications, Combustion Air



CATALOG 1400

MBW

HEAVY DUTY PRESSURE BLOWER, BACKPLATE RADIAL

- > 19.63 to 58.94 inches (500 mm to 1,500 mm) wheel diameters
- > Airflow to 20,000 CFM (34,000 m³/hour)
- > Static pressure to 160 inches w.g. (39,780 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, Exhaust, Process Cooling, Explosion-Proof Processes, Drying, General HVAC, Vacuum Systems, Material Handling, Pneumatic Conveying, Waste Water Treatment, Process Applications, Combustion Air



CATALOG 430

HPF

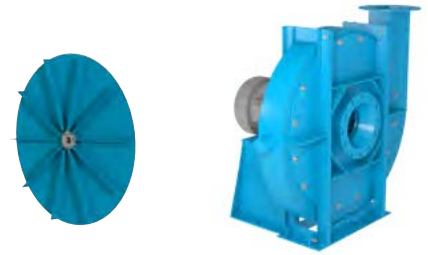
FIBERGLASS HIGH PRESSURE BLOWER, RADIAL BLADE

- > 18 to 28 inches (460 mm to 715 mm) wheel diameters
- > Airflow to 4,700 CFM (8,000 m³/hour)
- > Static pressure to 36 inches w.g. (8,950 Pa)
- > **Typical Applications:** Water Treatment, Explosion-Proof Processes, Chemical/Corrosive Environments, Air Pollution Control, Process Air, Exhaust, High Moisture Environments, General HVAC, Combustion Air, Marine

HRO

HIGH PRESSURE RADIAL PRESSURE BLOWER, OPEN WHEEL

- > 19.75 to 61.25 inches (505 mm to 1,555 mm) wheel diameters
- > Airflow to 8,500 CFM (14,400 m³/hour)
- > Static pressure to 103 inches w.g. (25,610 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, Process Cooling, Explosion-Proof Processes, Drying Applications, Exhaust, Vacuum Systems, Material Handling, Pneumatic Conveying, Waste Water Treatment, Process Applications, Combustion Air, General HVAC

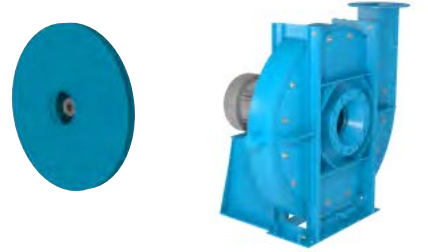


CATALOG 1300

HRS

HIGH PRESSURE RADIAL PRESSURE BLOWER, SHROUDED WHEEL

- > 19.75 to 61.25 inches (505 mm to 1,555 mm) wheel diameters
- > Airflow to 10,000 CFM (17,000 m³/hour)
- > Static pressure to 120 inches w.g. (29,840 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, Process Cooling, Explosion-Proof Processes, Drying Applications, Vacuum Systems, Material Handling, Exhaust, Pneumatic Conveying, Waste Water Treatment, Process Applications, Combustion Air, General HVAC

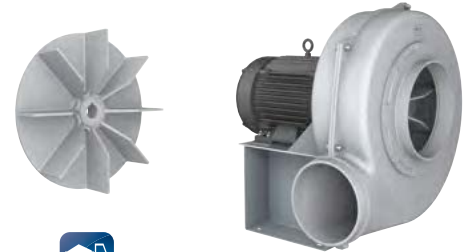


CATALOG 1300

TPD

CAST ALUMINUM PRESSURE BLOWER, DIRECT DRIVE

- > 7 to 18 inches (180 mm to 460 mm) wheel diameters
- > Airflow to 2,800 CFM (4,800 m³/hour)
- > Static pressure to 20 inches w.g. (4,970 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, General HVAC, Explosion-Proof Processes, Process Cooling, Exhaust, Drying Applications, Material Handling, Pneumatic Conveying, Vacuum Systems, Waste Water Treatment, Combustion Air, Moisture Blow-Off



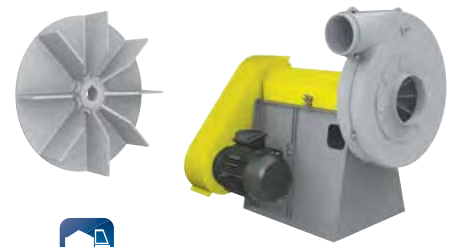
Available For
Quickship

CATALOG 820

TPB

CAST ALUMINUM PRESSURE BLOWER, BELT DRIVEN

- > 8 to 18 inches (205 mm to 460 mm) wheel diameters
- > Airflow to 2,400 CFM (4,100 m³/hour)
- > Static pressure to 22 inches w.g. (5,470 Pa)
- > **Typical Applications:** Air Pollution Control, Dust Collection, General HVAC, Explosion-Proof Processes, Process Cooling, Exhaust, Drying Applications, Material Handling, Pneumatic Conveying, Vacuum Systems, Waste Water Treatment, Combustion Air, Moisture Blow-Off



Available For
Quickship

CATALOG 820

CIW

CAST IRON BLOWER

- > 6.75 to 14 inches (175 mm to 355 mm) wheel diameters
- > Airflow to 2,000 CFM (3,400 m³/hour)
- > Static pressure to 12 inches w.g. (2,980 Pa)
- > **Typical Applications:** Air Pollution Control, Pneumatic Conveying, Boiler Systems, Process Cooling, Water Treatment, Dust Collection, Drying Applications, Explosion-Proof Processes, General HVAC, Exhaust, Vacuum Systems, General Manufacturing, Combustion Air



Available For
Quickship

CATALOG 850

SALES CONTACT



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