

**The
NEW YORK
BLOWER
COMPANY**

GENERAL OFFICES
32nd STREET & SHIELDS AVENUE • CHICAGO
FACTORIES • LA PORTE, IND. • CHICAGO, ILL.

Experienced Air Engineers
Representatives in Principal Cities



Products . . . for all industrial processes, ventilation and heating. Specify them for every industrial, commercial and institutional requirement. Check these nine classifications which give thumb nail specifications:

- **CENTRIFUGAL FANS AND BLOWERS**
Type ME Housed Centrifugal Wheels—Quiet Operating, Slow Speed Type and/or High Speed Wheels with Non-overloading Horsepower Characteristics. Range of Standard Wheel Sizes 15 in. to 80 in. Wheel Diameter. Sizes 15 inch to 80 inch Wheel Diameter.
- **JUNIOR CENTRIFUGAL BLOWERS**
Type ME Junior Fans, direct connected Motor Driven. Range of Sizes 6 inch to 12 inch Wheel Diameter.
- **DISC TYPE (or PROPELLER) PANEL FANS**
Comet EXHAUSTAIR Ventilating Fans, Automatic Shutters, Power Roof Ventilators, direct connected Motor Driven. Size 10 inch to 30 inch Wheel Diameter. Heavy Duty Type, Pulley Driven, GIANT Disc Type Fans, Regular Sizes 36 inch to 108 inch Wheel Diameter with Round Body Frames.
- **INDUSTRIAL UNIT HEATERS**
Disc or Propeller Fan, Ceiling Suspension Type, NYBCO COMET Unit Heaters with Molybdenum Alloy Corrosion-Proof and Freeze-Proof, Extra Heavy Welded, Longlife Ferrous Heating Element. Suitable for low or high-pressure (unlimited) Steam Pressures. Capacities 24,000 to 300,000 BTU's per Hour. Excel AIR-FLOW Centrifugal Type Factory Unit Heaters. Blower-Type Unit Heaters with Encased Centrifugal Fans with NYBCO Molybdenum Alloy Welded Steel Heating Element (either Blow-through or Draw-through Type). Floor Type, Side-wall or Ceiling Suspension. Capacities 169,000 to 1,000,000 BTU's per Hour.

- **AIR WASHERS**
A completely engineered line of PEERLESS Air Washers, Air Cleansing, Air-Conditioning and Cooling. Complete with Single- and Double-bank Atomizing Spray Systems, Marine Type Doors, Eliminators, Entering and Back-spray Louvres, Water Strainers, Pumps and Motors, and with or without Humidity Flooding Provisions. Sizes and Capacities ranging from 3,600 CFM to 76,000 CFM.
- **HOT BLAST HEATING SURFACE**
NYBCO "STEELFIN" Longlife High Pressure Molybdenum Alloy Steel, All Welded, Extra Heavy Duty, Homogeneous Fin-and-Oval-Tube Hot-Blast Heating Surface. Hot-dip Overall Metallic Coating, Including Headers. A Super-quality Product—proof against faults common to Surfaces constructed of Non-ferrous and Cast Iron Materials. An Engineered Product of Sizes and Capacities for Steam Pressures (or Hot Water Equivalents) from 2 lbs. to 150 lbs. duty, High Temperature or Low Temperature Fin Spacings, and a Range of Air Velocities from 400 to 1000 Ft. per Min.
- **VENTO, AEROFIN, AND OTHER HEATING AND COOLING SURFACES**
The various types and makes of Heat Transfer or Heat Exchange Surface, as regularly sold through the outlets of manufacturers of Fan-system Apparatus. These types of Surface are offered in various combinations and sizes, together with full and complete engineering recommendations.
- **MISCELLANEOUS**
Dust and Shavings Exhausters and Material Conveyor Blowers (Centrifugal Fans with Special Housings and Wheels); Engines, Motors, and V-Belt and Other Drives; Air Filters—Automatic and Cartridge or Renewable Types; Control Devices, including Pressurestats, Thermostats, Humidistats; Turbine Ventilators; Gas-fired Unit Heaters; Specialties; and Other Apparatus for use in conjunction with Complete Blower Systems. Complete data and descriptive matter furnished on specific request.

Write for Catalogues

Full Catalog Matter, Descriptive Bulletins, Performance Tables, Engineering Data and Technical Presentation, Prices, and Complete Information with Illustrations will be furnished upon request of District Representative or by Home Office.



PROPELLAIR Inc. 1944 CLARK BLVD. SPRINGFIELD, OHIO

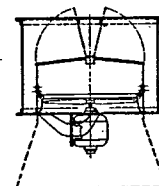
VENTILATING SPECIALISTS IN ALL PRINCIPAL CITIES



AXIAL-FLOW,
AIRFOIL
PROPELLERS

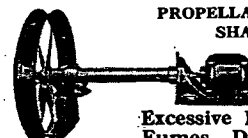


Designed by Propellair to deliver maximum air with minimum horsepower. Air flow is even over all of blade—the whole fan works, not just the tips! Non-overloading—from free air to block-off, horsepower is virtually constant as long as motor speed is constant. Number of blades, angle and shape, depend on use.



PROPELLAIR
VERTI-VENT
For Roof Ventilation

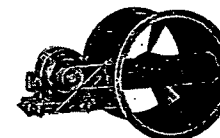
A fool-proof, automatic ventilator installed easily on roof. Butterfly dampers, within wind guard, offer virtually zero resistance. High velocity, vertical discharge throws heat and fumes far above the roof and prevents rain from entering when the fan is in operation. Dampers close gently and positively when fan coasts to a stop. 12 to 60 in. diameters, with capacities from 2100 to 68,000 cfm.



PROPELLAIR EXTENDED-SHAFT FANS

For Handling
Excessive Heat, Moisture,
Fumes, Dust and Gases

Type "CE" extended-shaft fans for severe conditions involving excessive heat, moisture, harmful fumes, explosive gases, etc.—where a motor should not operate within air stream. Drive shaft housed and sealed within steel tubing. Special formed-steel ring and support assembly. Fan sizes 12 to 60 in., capacities 2000 to 68,000 cfm.



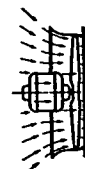
PROPELLAIR DRUM-TYPE

Belt-Drive Fans for Heat, Acids, Alkalis, Fumes, Gases or Dust

"CS" and "CSV" drum-type, belt-drive fans for severe, heavy-duty jobs involving elements listed for "CE" type. Sturdy, welded drum construction. Motor completely isolated from fan, driving belt protected in steel tube. 20 to 48 in. duct sizes, capacities 2400 to 43,000 cfm.

CURVED ENTRANCE RING
An Important
Propellair Feature

In addition to serving as a sturdy support assembly, it reduces tip loss and enables Propellair Fans to deliver maximum air per horsepower. Introduced in 1930 as a result of exhaustive experiments and tests by Propellair engineers, this design makes possible the utilization of the "Airfoil" air-movement principle in the entrance ring as well as in the propeller.



PROPELLAIR
DIRECT-CONNECTED
FANS

For Duct, Wall or
Hood Installation

Type "CD" direct-connected fans for wide range of jobs, from free air conditions such as window or panel mountings, to installation in roof ventilators, hoods, or duct work involving medium to relatively high resistance. Successful wherever a motor can operate directly within air stream. Sizes 12 to 60 in., capacities 800 to 85,000 cfm.

