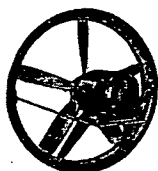


# PROPELLAIR® Div.

ROBBINS & MYERS, INC.  
1947 Clark Boulevard  
SPRINGFIELD, OHIO

## HEAVY-DUTY INDUSTRIAL VENTILATING EQUIPMENT

OFFICES IN PRINCIPAL CITIES

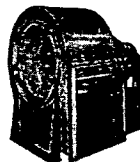


For Ducts,  
Walls, Win-  
dows, Hoods,  
Roof Ven-  
tilators

Propellair  
Direct-  
Connected  
Fans



Propellair  
Centrifugal  
Fans



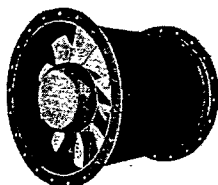
For use wherever motors may operate within the air stream, from free air to medium and relatively high resistance. A compact, durable design with fan having two to six blades. Sizes: 12 in. to 60 in. Capacities: 1,020 to 85,000 cfm. Type "CD" and "QD" Quiet Fans.



For Heat,  
Acids, Alka-  
lies—Fumes,  
Gases, Dust

Belt-Driven  
Propellair  
Tube-Axial  
Type

A complete fan unit in a short section of heavy gage duct. Simple installation. Available in 16 in. through 60 in. sizes from ¼ to 30 hp. Use Type "BT" or larger Type "CS" for all applications where the motor must be kept out of the air stream. Cast iron bearing tubes provide complete protection. 1,900 to 78,000 cfm.

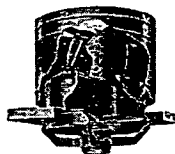


Propellair  
Vaneaxial  
Fans

A compact, highly efficient pressure fan using standard steel drum sections incorporating standard NEMA frame motors in direct drive models. Also available in belt-driven ratings with motor outside the air stream. Cast aluminum airfoil propeller and guide vanes for maximum efficiency and durability. Available in 20, 24, 30, 36, 48, and 60 in. diameters in belt and direct driven models. Capacities from 3,410 to 85,000 cfm.

Rugged Propellair centrifugal fans are designed for general ventilation, materials handling, high temperatures, high pressures, fumes and gases. They are available with forward curved, backward inclined or radial blade wheels. Sizes range from 7½ in. to 33-in. wheel diameters. Air deliveries to 19,070 cfm.

Power Roof Ventilator



Propellair  
Sky-Blast®

Dependable and economical power roof ventilators. Butterfly dampers open wide the instant fan is started, close automatically as fan coasts to a stop, offer virtually zero resistance as heat, fumes, moisture, dust shoot high into air. Rain is prevented from entering by fan when operating. Drainage shed prevents leakage when dampers are closed. Sizes: 16 in. to 60 in. Capacities: 2,800 to 78,000 cfm.

Airfoil Principle  
Entrance Ring



Airfoil-Section Blades

Propellair fans have airfoil-section blades with variations of pitch, curvature, and thickness to compensate for different lineal speeds of points at various radii. Air movement is uniform over whole fan area. The Propellair curved entrance ring eliminates eddy currents; helps efficient Propellair blades deliver highest pressure and volume.

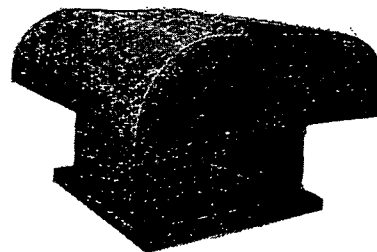
# Reed Unit-Fans, Inc.

1001 Saint Charles Ave., New Orleans, La.

Manufacturers of Industrial, Direct-Drive Axial Flow Fans, Belt-Drive Exhaust Fans, Window Fans, Attic Fans and Portable Air Circulators

## 1. ROOF VENTILATORS

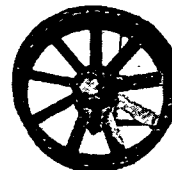
### MUSHROOM TYPE



**COMMERCIAL RATING:** Blade Diam—12 in. to 36 in.—sheet metal blades. Air deliveries to 12,000 cfm, static pressure to ½ in.

**INDUSTRIAL RATING:** Blade Diam—12 in. to 60 in.—cast aluminum blades. Air deliveries to 65,000 cfm, static pressures to 2 in.

**SKY BLAST TYPE:** Blade Diam—21 in. to 60 in.—cast aluminum blades. Air deliveries to 75,000 cfm, static pressure to 4½ in. wg.



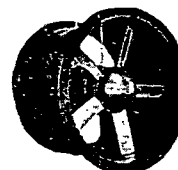
## 2. EXHAUST FANS

Blade Diam—9 in. to 60 in. Air Deliveries to 100,000 cfm. Static Pressures to 3 in. wg.



## 3. BELT DRIVE TUBEAXIAL FANS

Blade Diam—12 in. to 60 in. Air Deliveries to 75,000 cfm. Static Pressures to 4½ in. wg.



## 4. DIRECT DRIVE TUBEAXIAL FANS

Blade Diam—12 in. to 60 in. Air Deliveries to 75,000 cfm. Static Pressures to 6 in. wg.

5. Fan Housings are of heavy gage steel, all welded construction. Impellers are of cast aluminum, Air Foil section of an unusual design which permits variation in both number of paddles and angle of attack. This unique feature makes it possible to tailor the fan to any exact air moving requirement within the ranges indicated.