# PROPELLAIR® Div. ROBBINS & MYERS, INC.

1947 Clark Boulevard
SPRINGFIELD, OHIO

## HEAVY-DUTY INDUSTRIAL VENTILATING EQUIPMENT

OFFICES IN PRINCIPAL CITIES



*For Ducts, Walls, Windows, Hoods, Roof Ventilators*

**Propellair Direct-Connected Fans**



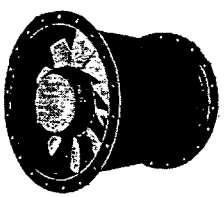

For use wherever motors may operate within the air stream, from free air to medium and relatively high resistance. A compact, durable design with fan having two to six blades. Sizes: 12 in. to 60 in. Capacities: 1,020 to 85,000 cfm. Type "CD" and "QD" Quiet Fans.



*For Heat, Acids, Alkalies—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 assembly housings and gas-tight belt 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 3410 to 85,000 cfm.

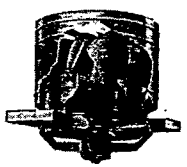


*For Heat, Moisture, Fumes, Dust, and Gases*

**Propellair Extended-Shaft Fans**

This design locates motor outside air stream when fan is installed in duct at right angle turn, elbow, "Y," or offset. Simple installation usually can be supported by duct without auxiliary bracing. Drive shaft is enclosed and sealed within steel tube. Sizes: 12 in. to 60 in. Capacities: 1,020 to 78,800 cfm. Type "CE."

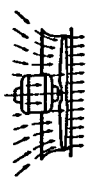
*Power Roof Ventilator*



**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.

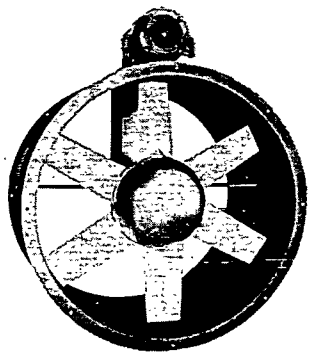


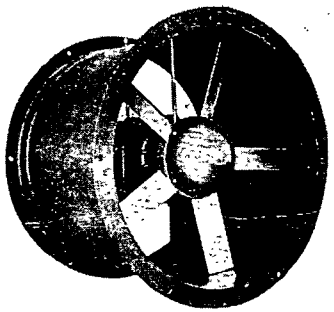


# Reed Unit-Fans, Inc.

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.**



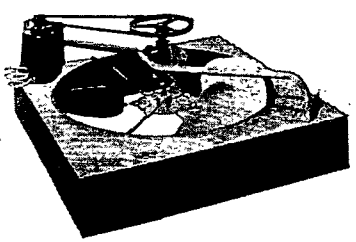


## REED INDUSTRIAL AXIAL-FLOW FANS

The Reed Industrial Fan line of heavy duty axial flow fans covers a wide range of performance characteristics. Air deliveries range from 1000 to 100,000 cfm, with static pressures up to 3 in. water gage. Higher static pressures are attainable with multi-stage units. Fan diameters are available from 9 in. through 60 in.

Rugged steel frames are of electric welded construction. Impellers are cast aluminum alloy, with blades of air foil section. The unique impeller design makes it possible to vary both the number of blades and the angle of attack, providing the necessary flexibility to custom-build to specific requirements over the entire range of air deliveries.

Fans are available in direct connected models and belt driven models with the motor out of the air stream. Ball bearing motors, either single or three phase are standard, with totally enclosed motors on direct driven models, and open motors on belt-driven models. Special motors are furnished on request.



## REED PACKAGED ATTIC FANS

Five stock sizes ranging from 24 in. to 48 in. blade diam. Corresponding free air cfm ratings of from 4800 to 18,600. Simply and quickly installed with hanging brackets on rafters. Completely automatic shutters. Five year warranty.