



Model VBO Series

UPBLAST FANS, REMOTE DRIVE

Model VBO remote drive belt-drive upblast roof fans discharge warm, humid air out of the building.

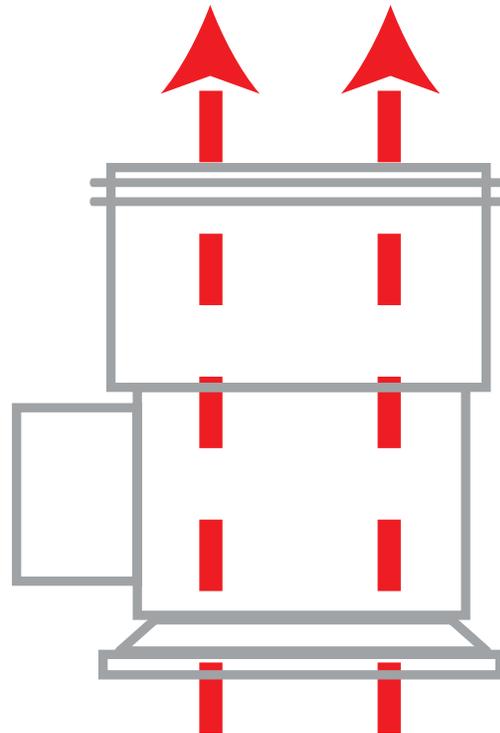
These fans are ideal for high-temperature environments. The Model VBO-HV for very high heat applications is also available.

PRODUCT BENEFITS

- High-performance propeller for ideal performance and efficiency.
- Powerful, heavy-duty belt drive motor sits outside of the air shaft for maximum protection from high temperatures & contaminants.
- Painted exterior and interior for additional corrosion resistance.
- Butterfly dampers provide weather protection and prevent back drafts.
- Water drains through a rain runoff trough below the damper shafts.
- Suitable for air temperature environments up to 200°F, for VBO-HV models.
- Certification:
 - UL705.
 - Meets Uniform Fire Code temperature requirements: 1000°F for a min. of 15 minutes.
 - Meets IRI requirements: 500°F for a minimum of 4 hours.

HOW IT WORKS

The upblast fan exhausts air at a high velocity, pushing exhaust air far away from the building to prevent contaminate reentry. Internal butterfly dampers shut automatically when the fan is not activated. Water drains through the internal troughs.



Hot air exhausts from the building.



PRODUCT RANGE

Prop Diameter	Height	Width (Base)	Diameter (Windband)	Approx Weight
24" - 60"	47" - 78"	34" - 68"	31" - 67"	390 lbs - 1150 lbs

STANDARD FEATURES

- Belt drive motor include variable pitch drives, adjustable for final system RPM.
- Belts sized for 165% of driven HP.
- High-performance dynamically balanced propeller, mated with a cast aluminum hub.
- Heavy gauge galvanized steel wind band, beaded for additional strength. Easily removable for internal access.
- Butterfly dampers with runoff troughs.
- Self-aligning pillow block bearings.
- Extended lubrication lines with grease fittings for fast and easy bearing lubrication.
- Galvanized steel deep spun venturi housing.
- Protective polyurethane coating.

OPTIONAL FEATURES

- Inlet & outlet guards.
- Magnetic damper latches.
- Disconnect switches.
- Finishes: epoxy, polyurethane, or custom (color to match).
- Fusible link damper.
- Access doors.



Scan the QR code for additional product information.

©2025 Moffitt. All rights reserved. Vol.1|3/25

