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to perform

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many models
in stock

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durability
for decades

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HBD Series Cradle Mount Drum Fans

Belt-Driven Portable Barrel Fans

When directional control matters as much as raw air volume, Triangle Engineering's HBD Series delivers both. A heavy-gauge cradle frame carries a pivoting barrel that tilts up or down a full 90 degrees and locks with a positive tilt-lock knob, putting high-volume air on ceilings, workstations, equipment, or wherever heat collects. Available in 36", 42", and 48" diameters with ½ HP to 1 HP motors, HBD fans move up to 19,460 CFM. Full-service belt drive keeps the air volume high and the maintenance simple. Each unit ships fully assembled and performance-tested, ready to roll into place, no complicated setup required. With rubber isolated bearings, automatic belt tensioners on select models, and factory-stocked replacement parts, the HBD Series is built to be maintained, not replaced.

KEY FEATURES

- Heavy-gauge cradle mount, barrel tilts up or down 90° with positive tilt lock
- Full-service belt drive with automatic belt tensioner on ½ HP and ¾ HP models
- Rubber isolated bearings to reduce vibration and protect components
- Deep-pitch blades for high-volume airflow up to 19,460 CFM

IDEAL USE CASES

- **Warehouses & Manufacturing Plants:** Directed spot cooling aimed exactly where crews and equipment need it
- **High-Bay Destratification:** Tilt up to push trapped heat back down into the work space
- **Agricultural & Grain Handling:** Durable, high-volume cooling for demanding environments
- **Hazardous Locations:** Select models available with classified-environment motors

Why HBD?

Reliability and Durability

Triangle Engineering has been an industry leader since 1948. HBD fans are built in the USA with a blend of domestic and foreign components. Unlike disposable imports, they're designed to be maintained, not thrown away. Every unit is backed by stocked replacement parts and fast support, so your fan stays running.

Belt-Drive Power, Cradle-Mount Control

The HBD Series pairs full-service belt-drive construction with a heavy-gauge cradle mount, so you get high-volume air and precise control of where it goes. Tilt up for destratification, level across aisles, or down onto equipment, then lock the angle and leave it. Rubber isolated bearings absorb vibration during continuous duty. The roll-formed ogee barrel profile resists deformation through years of daily industrial use.

Engineered for the Toughest Environments

From manufacturing floors running continuous shifts to grain handling facilities with combustible dust concerns, the HBD Series is engineered to perform where lesser fans fail. Automatic belt tensioners on ½ HP and ¾ HP models reduce routine adjustment, while totally enclosed motor options are available on select models. Hazardous location configurations are available for classified environments. See more information on page 4.

Technical & Performance Specifications

Blade Diameters

36", 42", and 48"

Airflow (CFM)

12,100 – 19,460 (model and HP dependent)

Motor

½ HP to 1 HP | ODP standard; totally enclosed available on T-models

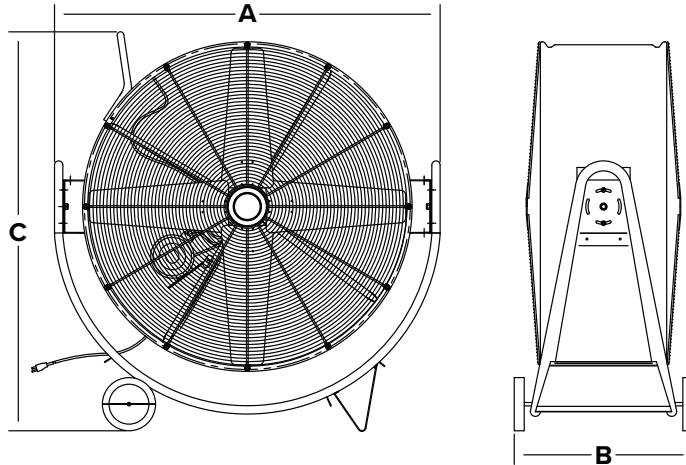
Electrical

115V single-phase; higher voltage and phase options available (model dependent)

Drive System

Belt-driven with rubber isolated bearings; automatic belt tensioner standard on ½ HP and ¾ HP models

HBD Ordering & Model Information



Model	Blade Diameter	CFM	RPM	HP	Amps	Width A	Depth B	Height C	Approximate Weight
HBD3613	36"	12,100	500	1/2	7.5	50"	27"	50"	192
HBD3623	36"	12,100 / 8,060	500 / 330	1/2	7.3	50"	27"	50"	192
HBD4213	42"	14,445	500	1/2	7.5	54"	27"	54"	221
HBD4223	42"	14,445 / 9,550	500 / 330	1/2	7.3	54"	27"	54"	221
HBD4214	42"	16,900	505	3/4	13.0	54"	27"	54"	237
HBD4815	48"	19,460	475	1	11.0	58"	27"	60"	307

See page 4 for hazardous location model information

Built to Last, Not to Toss

Every HBD fan is fully supported with stocked replacement parts: belts, bearings, blades, motors, guards, and wheels, so maintenance is fast and downtime stays short. The HBD Series is built to be serviced, not tossed, keeping your fan in operation for years instead of ending up in a landfill.

While low-cost imports flood the market with disposable fans, Triangle Engineering builds portable cooling that's designed for the long haul, with real replacement parts, real support, and real durability behind every unit.



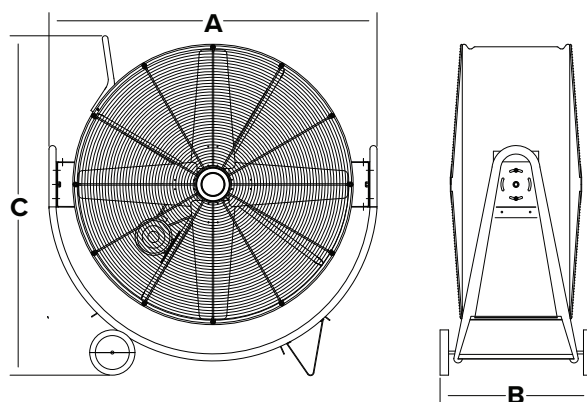


HeatBuster Hazardous Location Models

Select HBD Series models are available with hazardous location-rated motor configurations for use in classified environments. These made-to-order fans are built for facilities where combustible dust, gases, or vapors require specially rated equipment.

Hazardous location models are equipped with:

- Single-speed motor (Class 1, Group D, Class 2, Group F+G)
- Non-sparking aluminum blade
- Stationary motor mount
- No wiring or switch



HBD Hazardous Location Ordering & Model Information

Model	Blade Diameter	Phase	HP	Width A	Depth B	Height C	Approximate Weight
HBD3613HL-U	36"	1-Phase	1/2 HP	50"	27"	50"	209
HBD3613HL-X	36"	3-Phase	1/2 HP	50"	27"	50"	205
HBD3615HL-U	36"	1-Phase	1 HP	50"	27"	50"	180
HBD4213HL-U	42"	1-Phase	1/2 HP	54"	27"	54"	229
HBD4213HL-X	42"	3-Phase	1/2 HP	54"	27"	54"	217
HBD4214HL-U	42"	1-Phase	3/4 HP	54"	27"	54"	248
HBD4214HL-X	42"	3-Phase	3/4 HP	54"	27"	54"	238
HBD4815HL-U	48"	1-Phase	1 HP	58"	27"	60"	332
HBD4815HL-X	48"	3-Phase	1 HP	58"	27"	60"	322

Caution: Although this product is supplied with an explosion proof motor and blades with spark resistant aluminum paddles, it is not intended to convey the suitability of the overall finished product in a hazardous atmosphere, but only that the product has been supplied with certain components for this purpose. Application and wiring must be in accordance with local, state and national codes and performed by a qualified electrician. Fans not appropriate for use where paint residue can accumulate on motor or blade. Hazardous location motors cannot be run into service factor so fan performance may be slightly less than published. Hazardous location models are made to order and are non-returnable.

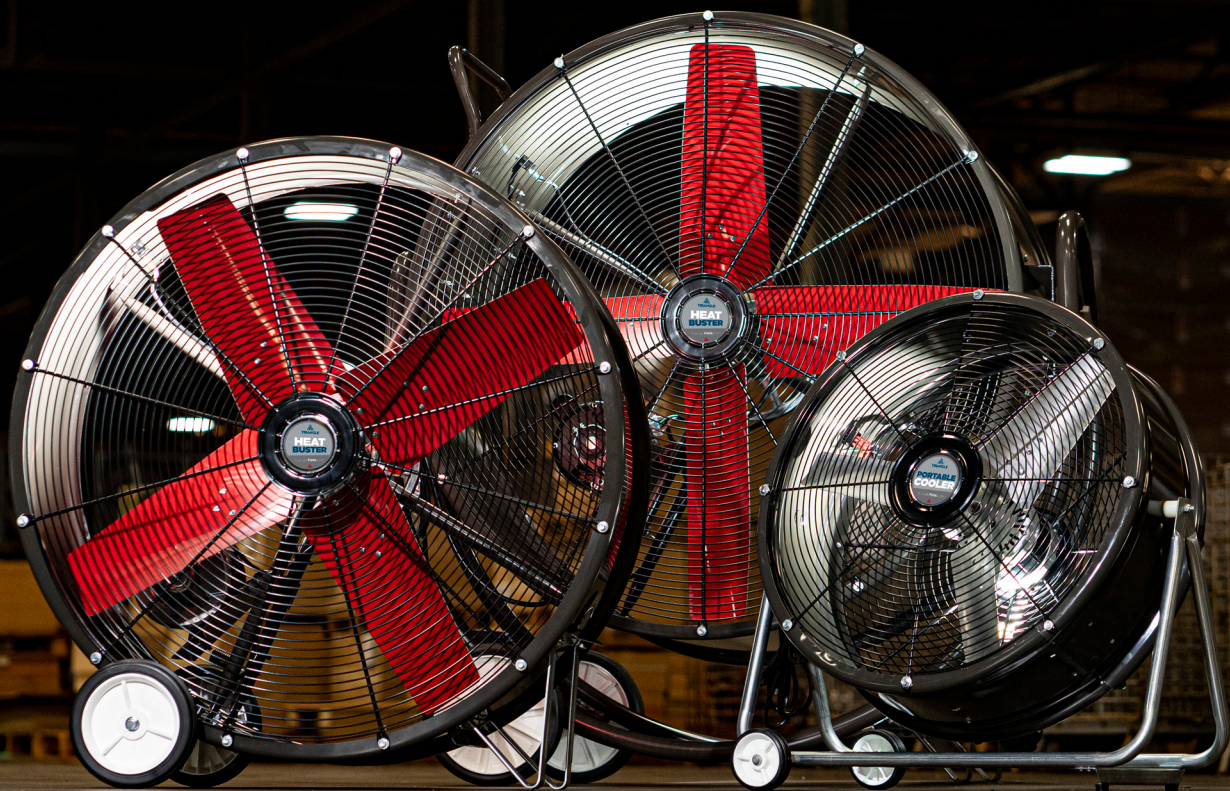
Why Choose Triangle Engineering?

A Legacy of Quality Since 1948

For more than seven decades, we have specialized in crafting top-tier ventilation products that stand up to demanding industrial environments. Our fans are factory-assembled, rigorously tested, and supported by an experienced customer service team.

More Portable Cooling Options

Need more power, a different size, or a mounted configuration? Triangle Engineering offers a complete range of portable barrel fans, belt-driven and direct-drive, floor-standing and wall or ceiling mounted across a wide range of diameters and horsepower options. Contact us to learn more.



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