



Catalog
Number:

Notes:

Type of Fan:

72" TAZ FAN

Features & Specifications

INTENDED USE: Ideal for spaces that need targeted cooling to deliver optimum people comfort, safety, and productivity while enabling energy savings, material and labor cost avoidance resulting in the lowest total cost of ownership. Applications include warehousing (ideal for rack aisles), manufacturing, gymnasiums, agriculture (no fan keeps livestock cooler) and other indoor spaces.

NUMBER OF BLADES: 4

BLADE CONSTRUCTION: Poly with Aluminum Hub

ELECTRICAL (MOTOR): 230/460 3 phase AC

ELECTRICAL (CONTROLLER): Premium control with hardware flexibility, programmability, and scalability for an optimal solution. ABB Variable Frequency Drive – Nema 4X, IP66. ESFR relay ready to connect to existing fire suppression systems, integral LOTO (lock-out, tag-out) disconnect ships standard. ROHS compliant. 208-230v or 460-480v standard.

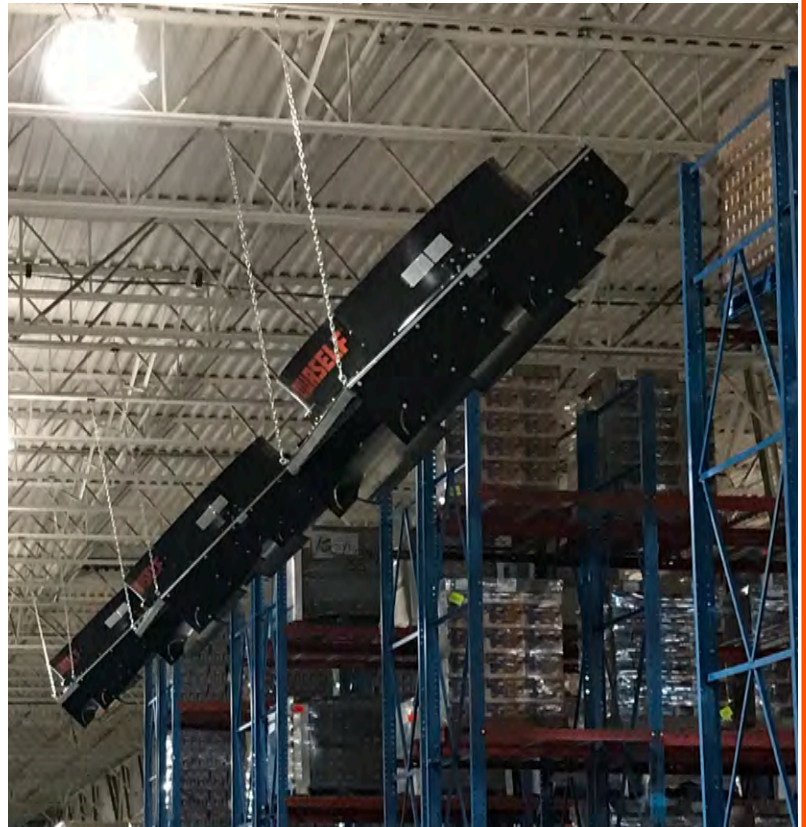
INSTALLATION: Suitable for mounting with chain from virtually any surface.

SAFETY: 4 individual hanging anchor points with screens top and bottom make TAZ the safest fan on the market.

OPERATING TEMPERATURES:

Motor & Gearbox: - 7° C (20° F) to 50° C (122° F)
Controller: - 7° C (20° F) to 50° C to (122° F)

WARRANTY: 3 year warranty on motor and controller. Complete warranty terms located at www.gofanyourself.com/company/warranty.



Follow the Factory Mutual Insurance Company (FM Global) standards, Heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and local code authorities.

TECHNICAL SPECIFICATIONS

Number of Blades: (4) 6 FT blades within a 7 FT fiberglass body. Low pressure wash-down ready.

Blade Construction: (4) Poly blades, heavy duty and corrosion resistant.

Fan Weight: 375 lbs.

Nominal Motor: 3 hp (2.2 kW)

Nominal RPM: 295

Calculated Air Movement: 75,200 cfm

Maximum Destratification Diameter: 100 FT

Nominal Coverage Distance: Area spreading out from the fan to a maximum width of 25 FT and a distance of 150 FT.

Nominal Amps: 3.5A @ 460VAC 3 Phase

Suspension Mount: 1/4" steel chain (highly recommended) or 1/8" steel cable anchored to (4) points (contractor supplied).

VFD Controller: Premium motor control with hardware flexibility, programmability and scalability for an optimal solution. ROHS compliant, ESFR relay ready, integral LOTO disconnect and IP66 Nema 4X rated.

Safety Features: (4) unique anchor points, each designed to support the full weight of the fan with screens top and bottom makes TAZ the safest fan on the market.

Warranty: (3) year warranty on the fan motor and ABB controller.

72" TAZ FAN

FEATURES, SPECIFICATIONS & MAXIMUM COVERAGE GUIDE

Example Part Number: GFY-TAZ-72-460-3

Family	Style	Diameter	Voltage	Phase	Options
GFY	TAZ	72 (72" Fan Diameter)	230 ¹ 460 ¹	1 (Single) ¹ 3 (Three) ¹	CP ² Custom Program Z ³ Z-Purlin WM Wall Mount Keypad DS-1 ⁴ Designer Series DS-5 ⁵ Stickers

SPECIFICATIONS

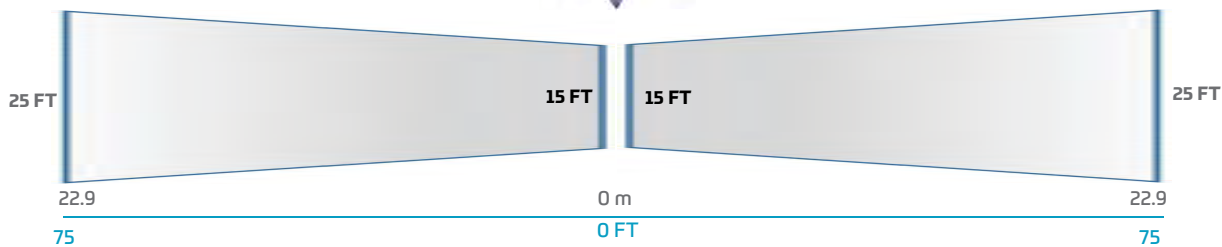
- 1) Number of Blades: 4
- 2) Minimum Mounting Height: Louvers 1 FT Above Tallest Vehicle or Movable Obstruction
- 3) Maximum Cooling Distance: 150 FT
- 4) Maximum Destratification Diameter: 100 FT
- 5) Calculated Air Movement: 75,200 CFM
- 6) Nominal Blade Rotations Per Minute: 295 RPM
- 7) Nominal Motor: 3 HP (2.2kW)
- 8) Nominal Amps: 3.5A @ 460V
- 9) System Weight: 375 lbs
- 10) MAX Mounting Distance Between Fans: 50 FT/300 FT
- 11) Nominal Clearance From Solid Roof Surfaces or Solid Trusses: 6 FT
- 12) TAZ Maximum Height - Nominal 48"
- 13) TAZ Fiberglass Body Size - Nominal 78.5" x 78.5"
- 14) Screens, top and bottom, factory installed

FOOTNOTES:

- 1) Single Phase: 200-240VAC 1 Phase | Three Phase: 200-240VAC 3 Phase | 380-480VAC 3 Phase
- 2) Consult the factory as an extended lead time will apply. Customer's team and VividAir's team must communicate so programming details may be identified. There may be additional hardware or software charges. Not all programming options may be available on every control.
- 3) Do NOT anchor TAZ fans directly to Z-Purlins. Z-Purlin applications require (4) Z-Purlin Kits, one for each fan anchor point. Contact the factory or a local structural engineer for mounting options.
- 4) Custom Color the (6) TAZ Louvers. All (6) Louvers must be the same color.
- 5) Custom Company Logo Stickers. (2) Stickers required. Customer must supply approved Adobe Illustrator (AI) file to produce the stickers.

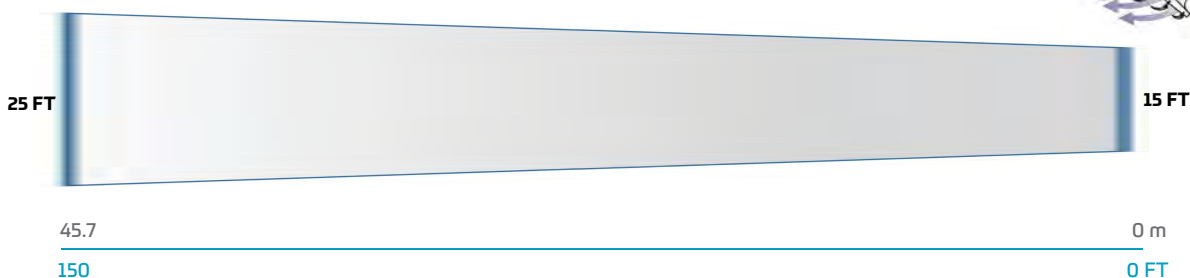
Dual Direction Applications

(Dimensions shown are horizontal, not vertical)



Single Direction Applications

(Dimensions shown are horizontal, not vertical)



72" TAZ FAN

VARIABLE FREQUENCY DRIVES WITH WALL MOUNT KEYPAD OPTION

VividAir VFD Controller
 200-240VAC 1 Phase
 200-240VAC 3 Phase
 380-480VAC 3 Phase

ABB ASC255 VFD Controller
 200-240VAC 1 Phase

ABB ASC355 VFD Controller
 200-240V 3 Phase
 380-480V 3 Phase



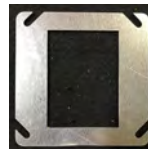
Wall Mount Keypad

Wall Mount Keypad



Wall Mount Keypad Adapter Plate

Wall Mount Keypad Adapter Plate



Keypad relocated to 4x4 electrical box



Shown with customer supplied lockable / slotted cover



Fan Controls



- ABB Variable Frequency Drive Enclosure - Nema 4X (IP66).
- Special Wiring (Thermostats, Fire Alarm Interface, Networking, Etc.) (Optional) Consult Factory.
- 50 / 60 Hz Operation.
- All VividAir Z-Tech™ Controls ship standard with an Early Suppression Fast Response Relay ready to connect to existing fire suppression systems.
- VividAir Z-Tech™ Fan Controls ship standard with an integral Lock Out Tag Out Disconnect.
- All fans require their own VFD Controller but multiple fans may be controlled from a single keypad (additional wiring required)