



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:** 6

**BLADE CONSTRUCTION:** Corrosion resistant aluminum

**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.

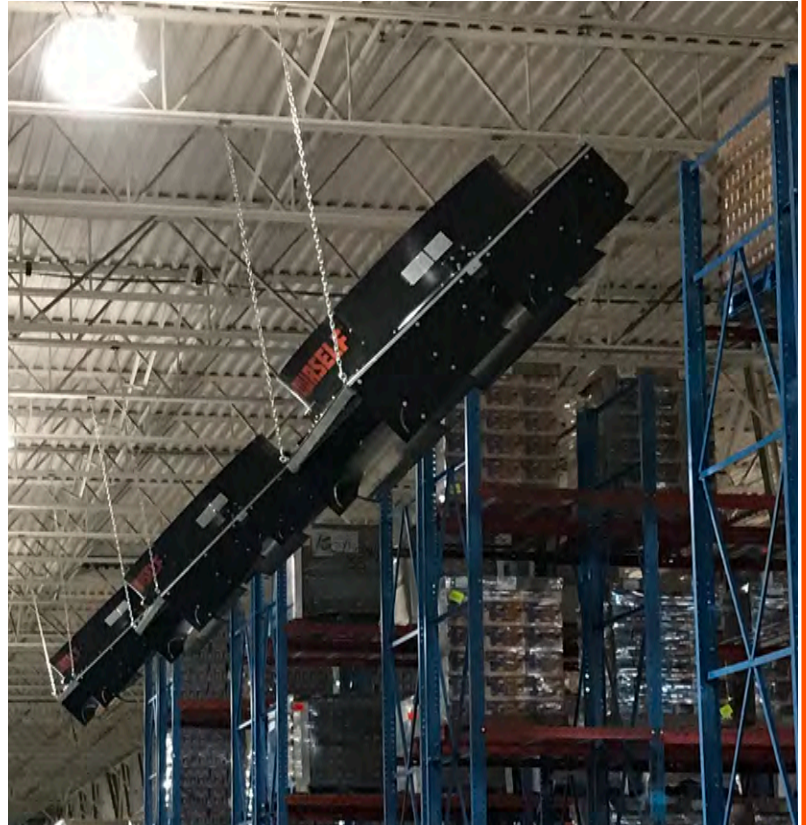
**INSTALLATION:** Suitable for mounting with chain from virtually any surface.

**SAFETY:** 4 individual hanging anchor points 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](http://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:** (6) 6 FT blades within a 7 FT fiberglass body. Low pressure wash-down ready.

**Blade Construction:** (6) paddle aluminum blade precision balanced, 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 to an estimated width of 25 FT and a distance of 130 FT.

**Nominal Amps:** 3.5A

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

**ABB 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 making 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 <sup>1</sup><br>460 <sup>1</sup> | 3 (Three) <sup>1</sup> | CP <sup>2</sup> Custom Program<br>Z <sup>3</sup> Z-Purlin<br>WM Wall Mount Keypad<br>DS-1 <sup>4</sup> Designer Series<br>DS-5 <sup>5</sup> Stickers |

## SPECIFICATIONS

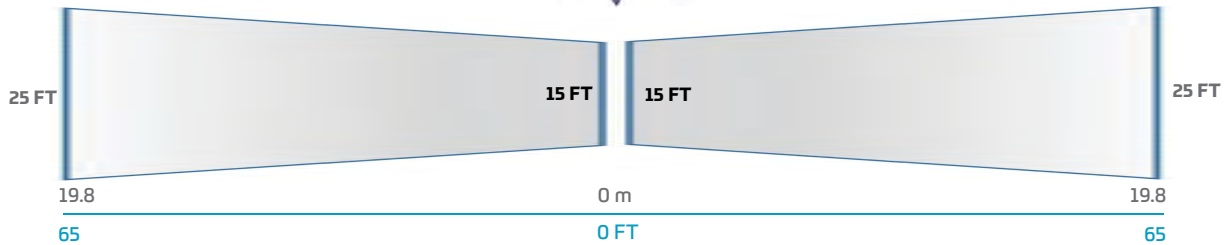
- 1) Number of Blades: 6
- 2) Minimum Mounting Height: Louvers 1 FT Above Tallest Vehicle or Movable Obstruction
- 3) Estimated Cooling Distance: 130 FT
- 4) Maximum Destratification Diameter: 100 FT
- 5) Calculated Air Movement: 75,200 CFM
- 6) Nominal Blade Rotations Per Minute: 295 RPM
- 7) Nominal Motor: 3 HP (2.2kW)
- 8) Nominal Amps: 3.5A @ 460V
- 9) System Weight: 375 lbs
- 10) MAX Mounting Distance Between Fans: 50 FT/260 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"

### FOOTNOTES:

- 1) Three Phase Only: 200-240 VAC 3 Phase | 380-480 VAC 3 Phase
- 2) Consult the factory as an extended lead time will apply. Customer's team and GFY'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.

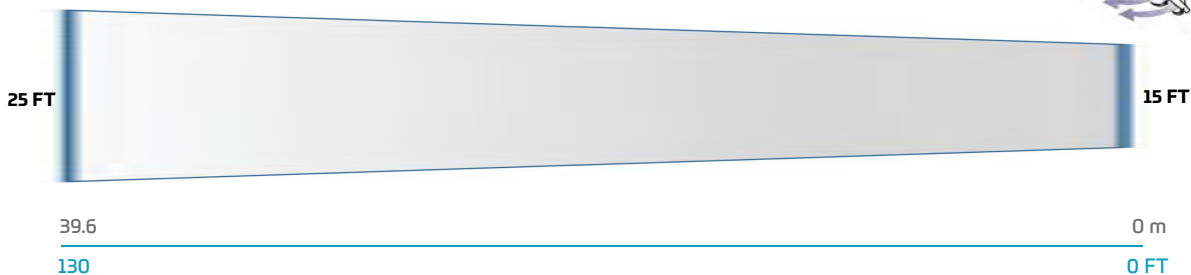
## Dual Direction Applications

(Dimensions shown are horizontal, not vertical)



## Single Direction Applications

(Dimensions shown are horizontal, not vertical)



# 72" TAZ FAN

## ABB VARIABLE FREQUENCY DRIVE & WALL MOUNT KEYPAD OPTION

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

CAT5 cable must be run from controller to Wall Mount Keypad location



### Fan Control **RÖHS** COMPLIANT

- ABB Variable Frequency Drive Enclosure - Nema 4X (IP66).
- Special Wiring (Thermostats, Fire Alarm Interface, Networking, Etc.) (Optional) Consult Factory.
- 50 / 60 Hz Operation.
- All GFY Z-Tech™ Controls ship standard with an Early Suppresion Fast Response Relay ready to connect to existing fire suppression systems.
- GFY Z-Tech™ Fan Controls ship standard with an integral Lock Out Tag Out Disconnect.
- ASC355 can run up to 25 fans from a single keypad (Additional wiring required).

- Optional Wall Mount Keypad provides unlimited flexibility for your GFY fan installation.
- Mount the VFD Controller in the ceiling or high on the column for safety and security and drop the keypad down to a user friendly mounting height.
- Wall Mount Keypad option ships from GFY with a 25 FT CAT6 data cable allowing the keypad to be mounted approximately 24 FT below the VFD Controller.
- Max CAT6 data cable length is 300 FT. Longer cables supplied by installing contractor.
- Box size is 9" x 6" x 2 3/4"