



Superior cast hub provides full blade support for added safety.



Stepped leading edge creates venting which increases performance.



Different is cool®



The new, innovative **Z-Tech™** fan helps even the hottest employees keep their cool. How? Go Fan Yourself® combined cutting-edge patented technology with a modern industrial design to provide the largest coverage area in the industry and a cooling effect of up to 10 degrees. Different is cool®.

## Features

### Blade & Hub Design

- Patented **Z-Tech™** blade design with 20° plus pitch
- Cast hub eliminates hardware connections for the safest, most reliable solution available.
- Symmetrical **Z-Tech™** blade design allows for true reversibility for year-round operation
- Pitched hub design with same 20° plus pitch as blade
- Designer series offers custom color combinations and designs
- Blades supported by the full width of the blade unlike airfoil designs that support the airfoil with a narrow post.

### Motor

- **ABB Dodge Quantis Z-Tech™** Drive Train
- H insulation provides a 140° ambient temperature rating
- Viton sealing system protects the gear box
- IP55 standard; Optional voltages available:
- 200-240VAC 1 Phase (120VAC available on 12ft <)
- 200-240VAC & 380-480VAC 3 Phase

### Controller

- Open-platform **ABB** controller
- NEMA 4X; IP66 variable frequency drive
- ESFR (Early Suppression Fast Response)
- ROHS compliant
- NECA standard built-in LOTO (lock out, tag out) disconnect

### Installation

- Suitable for mounting to I-beam, top or bottom chord angle iron, L-bracket and Z-purlin; multiple installation applications available

## Benefits

### Blade & Hub Design

- Increases coverage area up to 30% compared to other HVLS fans
- No wind chill created when using **Z-Tech™** fan in reverse operation
- Up to 40K sq ft destratification coverage; reduces energy heating costs
- Eliminates air-flow dead zone under the fan
- Ability to customize **Z-Tech™** fan to best compliment your facility

### Controller

- Steamline building management system integration
- Largest heat sink in the industry
- Easy +24 VDC connection to existing alarm systems
- Control up to 25 fans from a single controller (controllers are interlinked by a hard-wire connection so fan control signals are daisy-chained through the fan system).
- Keypad may be removed from the face of the controller and wall or column mounted via CAT6 cable (ACS355 controller only).

### Installation

- Safety ring: ¼" powder coated steel
- **Z-Tech™ SS** safety system provides (4) custom straps with a break strength of 16,000lbs each which easily exceeds traditional 5/16" stainless steel aircraft cable of around 10,000lbs
- Guy wires: 1/8" stainless steel aircraft cable (with down tubes > 3ft)
- Lifetime warranty: blades, hub and mounting system
- 15-year warranty: motor, gearbox and hub