



The new, innovative **Z-Tech3™** fan helps even the hottest employees keep their cool. How? Go Fan Yourself® combined cutting-edge patent-pending 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

- Patent-pending Z-Tech™ blade design with 20° plus pitch
- 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

### Motor

- Baldor/Dodge motor utilizes cast iron housing with a precise shaft and gear alignment that has a high load bearing capacity
- Single housing block in which all bearing points are integrated. No sealing faces are subjected to torque or lateral forces
- IP55; UL 1004; 120/230/460/575v; single and three phase available

### Controller

- Open-platform ABB™ controller
- NEMA 4X; IP66/67 variable frequency drive
- ESFR (Early Suppression Fast Response) and 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

- Moves air at 329,800 CFM (cubic feet per min)
- Increases coverage area up to 30% compared to other HVLS fans
- No wind chill created when using Z-Tech3™ fan in reverse operation
- Up to 25K sq ft destratification coverage; reduces energy heating costs
- Eliminates air-flow dead zone under the fan

### Motor

- Class F insulation with an IP55 rating.
- Single Nitrile sealing provides superior protection against leaks and contaminants
- TEFC technology ensures long life.

### Controller

- Steamline building management systems
- Largest heat sink in the industry
- Easy +24 VDC connection to existing alarm systems
- Control up to 26 fans from a single controller

### Installation

- Safety ring: ½" powder coated steel
- Safety cables: 5/16" stainless steel aircraft cable
- Guy wires: 1/8" stainless steel aircraft cable (with down tubes 4ft<)
- Lifetime warranty: blades, hub and mounting system
- 12-year warranty: motor, gearbox and hub

# WHAT IS Z-TECH™

The patent-pending Z-Tech™ stepped blade is an enhanced form of venting and venting creates better air displacement.

The stepped blade allows the velocity of air flow to move past the steps at which point the pressure immediately decreases allowing for a significant increase in thrust and air movement.



## How to size a Z-Tech3™ fan for your facility

Fan Diameter	Coverage Area (Cooling)	Coverage Area (Destratification)	Spacing Between Fans	Minimum Spacing From Wall	Clearance Needed From Ceiling	Minimum Blade Height
8 FOOT	50 FT	65 FT	40 FT	8 FT	3 FT	10 FT
12 FOOT	75 FT	95 FT	65 FT	12 FT	3 FT	10 FT
16 FOOT	100 FT	125 FT	90 FT	16 FT	4 FT	12 FT
20 FOOT	120 FT	155 FT	110 FT	20 FT	5 FT	16 FT
24 FOOT	140 FT	185 FT	130 FT	24 FT	5 FT	20 FT

### Additional Specifications:

- Maintain a minimum 2 FT clearance from tip of blade to obstructions
- Maintain a minimum 2 FT below truss with any fan diameter
- Location of fan should maintain a minimum of 20 FT away from a heat source
- Location of fan should maintain a minimum of 20 FT away from any exhaust fans
- Lights to be spaced 2 FT or greater away from the tip of the fan blade to prevent shadowing and strobe effect