

Destratification Fans by Zoo Fans

H - Series

- ZOO Fans H-Series fans are designed for open ceilings and free-hanging locations.
- The “H” stands for “Height” and represents the hanging height (AFF) at which each fan model is designed.
- H series fans are designed to generate sufficient airflow to reach the floor at a minimum of 100 fpm for the Stated Mounting Height.



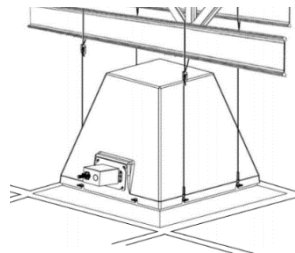
Destratification Fan
H- Series from Zoo Fan

Open Ceiling

Model	Height (Ft)	CFM
H25-AC	25	588
H25-EC	25	655
H30-AC	30	670
H50-AC	50	1150
H50-EC	50	1250
H60-AC	60	1200
H65-EC	65	1825
H120-EC	120	4100
H140-EC	140	5400

IC - Series

- ZOO Fans IC-Series fans are designed primarily for drop ceilings and can also be installed in hard lids. “IC” stands for “In-Ceiling”
- The IC-Series utilize the world’s leading in-line fan motor with a rugged **Mixed-Flow (MF)** impellor, EnergyStar® rating, and industry-leading 4-year warranty.
- ZOO Fans *Silent Series*—quiet enough to pass the rigorous Dolby® Sound tests in movie theaters. (MFS)



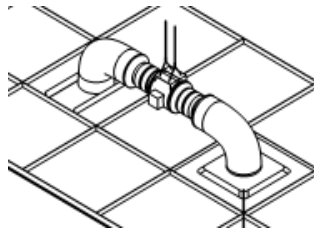
Destratification Fan
IC- Series (In Ceiling)



Model	Height (Ft)	CFM
IC20	20	293

MFS – Silent Series

- ZOO Fans MFS Designated fans are designed with an acoustically enhanced fan and ductwork that meets the highest demands for fan noise.
- Best in class air flow and throws allow for installations in tall areas with a minimum aperture of only 4”.
- A virtually unnoticeable column of air located in entries, vestibules and other tall demanding areas.



Destratification Fan
IC- Series (In Ceiling)



Model	Height (Ft)	CFM
IC15-MF	15	293
IC15-MFS	15	315
IC30-MF	30	530
IC30-MFS	30	530
IC45-MF	45	754

Calculating Fans

STEP 1

Building L x W x H

Length X Width X Ceiling Height = Volume

L_____ x W_____ x H_____ = V_____

STEP 1:
Volume:

STEP 2

H = Height

Open Ceiling			Open Ceiling		
Model	Height (Ft)	CFM	Model	Height (Ft)	CFM
H25-AC	25	588	H60-AC	60	1200
H25-EC	25	655	H65-EC	65	1825
H30-AC	30	670	H120-EC	120	4100
H50-AC	50	1150	H140-EC	140	5400
H50-EC	50	1250			

STEP 2:
Fan Model:

CFM:

STEP 3

Calculation

V_____ ÷ 60 (min) ÷ _____ CFM = _____ Fans

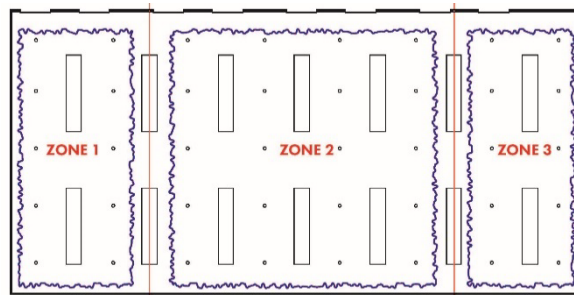
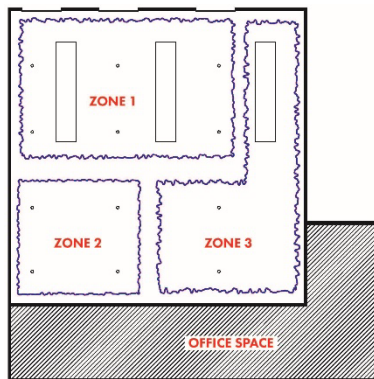
STEP 3:
of Fans:

STEP 4

Layout Considerations

- Millwork
- Desks
- Appliance
- Conveyor Belts
- Racks
- Vehicles

STEP 4:
Layout and Zoning



STEP 5

Controls

- | | |
|---|--|
| <input type="checkbox"/> Local Control 'ON/OFF' | <input type="checkbox"/> BMS w/ Local 'ON/OFF' |
| <input type="checkbox"/> Local Control 'ON/OFF SPEED' | <input type="checkbox"/> BMS Only |
| <input type="checkbox"/> AVS Auto System | <input type="checkbox"/> BMS Oversight |

STEP 5:

(AVS Auto has (3) Height Settings, Proprietary Algorithms for Optimum Controls of Fans. Best Value - \$275 for controls and sensors)

STEP 6

Coordination

- | | |
|--|--|
| <input type="checkbox"/> Low Voltage Control | <input type="checkbox"/> Cut Sheet |
| <input type="checkbox"/> 120V – Cord & Plug | <input type="checkbox"/> Mounting By Gripple |
| <input type="checkbox"/> 200 – 277 Volt | <input type="checkbox"/> Mounting Rod – Horizontal |
| <input type="checkbox"/> Color: White/Black | <input checked="" type="checkbox"/> Fire Alarm Integration * |
| <input type="checkbox"/> Protective Grille | <input type="checkbox"/> Seismic Mounting Provisions |

STEP 6:

*Code Required – Verify