

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

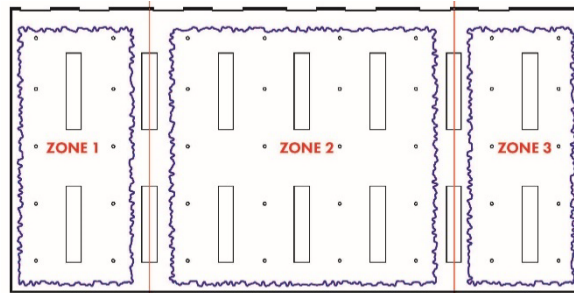
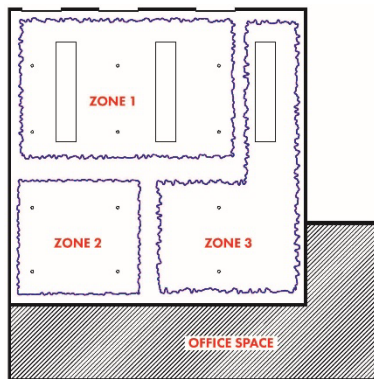
STEP 3:
of Fans:

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