DSF DESTRATIFICATION FANS

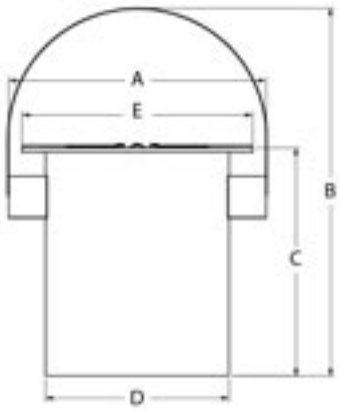
FEATURES & BENEFITS

- Reduce hot & cold spots through the mixing of air in large spaces
- Lower energy costs, increased comfort
- Ideal for any building with ceilings 15' or higher
- Breaks up stratification layers
- Powerful, axial flow fan
- External rotor motor design results in superior motor cooling and durability
- Speed controllable using optional solid state speed control
- Permanently lubricated ball bearing motors for maintenance-free operation
- Automatic reset, thermal overload protection
- 120V, 60 Hz operation
- Steel housing with corrosion resistant finish
- Gripple cables supplied for safe mounting
- Rotating mounting bracket permits mounting at any angle
- Maximum permissible ambient temperature: 140 F
- Capacities up to 1,460 cfm; available in 10", 12" and 14" fan sizes

APPLICATIONS

- Big box stores
- Industrial buildings
- Greenhouses
- Grocery stores
- Warehouses
- Atriums
- Shopping malls
- Distribution centers
- Athletic facilities / gymnasiums

	FAN PERFORMANCE														
	MAX	MAX		0" SP	AIR VELOCITY DEPENDING ON DISTANCE FROM DSF FAN, FPM										
MODEL	WATTS	AMPS	RPM	CFM	3 FT	6 FT	10 FT	13 FT	15 FT	20 FT	23 FT	25 FT	30 FT	33 FT	35 FT
DSF250	60	0.51	1700	420	378	270	220	156	90	60	20	-	-	-	-
DSF300	94	0.80	1675	1055	918	594	380	234	162	120	79	38	20	-	-
DSF350	162	1.38	1685	1460	1100	756	760	468	324	300	217	169	120	59	19



	DIMENSIONS IN INCHES*					
MODEL	A	B	C	D	E	SHIP WT (LBS)
DSF250	15.2	20.2	15.2	10.2	13.4	14.0
DSF300	17.3	23.9	17.9	12.2	15.4	19.0
DSF350	19.2	27.3	20.3	14.2	17.4	24.0

*DO NOT USE FOR CONSTRUCTION
CONSULT FACTORY FOR CERTIFIED PRINTS

How do I determine how many fans I need?

Air circulation should occur once or twice per hour to maintain a healthy building environment.
Select the fan cfm based on the following ceiling height recommendations:

15 ft - 20 ft use 420 cfm fan or model DSF250
20 ft - 25 ft use 1055 cfm fan or model DSF300
25 ft - up use 1460 cfm fan or model DSF350

To determine the number of DSF fans for a given area, the following information is required:

- (L x W x H) = Size of room
- Size of room / cfm / 60 = Number of units

Example: a building is 125 ft. long, 75 ft. wide, and 20 ft. high.

- 125 x 75 x 20 = 187,500 cu. ft.
- 187,500 cu. ft. / 1055 cfm (DSF300 Fan) / 60 = 3 DSF Fans (round to the nearest whole number)