

SQ

Direct Drive Centrifugal Inline Fan

Tag: EF-1

STANDARD CONSTRUCTION FEATURES

- Galvanized steel housing
- Backward inclined aluminum wheel
- Two bolted access panels
- Integral duct connection flanges
- Ball bearing motors (sizes 100-160), sleeve bearing motors (sizes 60-95)
- Corrosion resistant fasteners

SELECTED OPTIONS & ACCESSORIES

- Switch - Nema-1, Toggle, Mounted & Wired
- (Inline) Damper WD-330-PB-14x14, Gravity Operated, Int Mnt.
- Spring Hanging Isolators and Brackets
- Solid State Speed Control - 5WSSC, Shipped Loose
- PSC Motor

NOTES: All dimensions shown are in units of inches
Fan weight is without accessories

DIMENSIONS

Approx. Fan Weight (lb)	Optional Damper (in)
56	14 x 14

PERFORMANCE (Elevation ft = 0, Airstream Temperature F = 70)

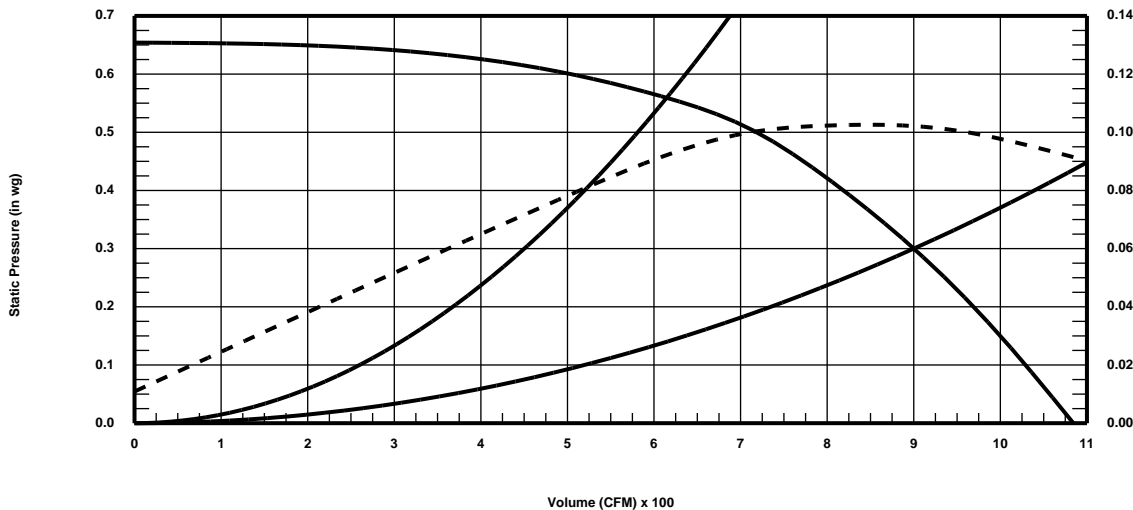
Qty	Model	Volume (CFM)	SP (in wg)	FRPM	Operating Power (hp)	Motor Information					
						Size (hp)	V/C/P	Encl:	Motor RPM:	Windings	FLA (A)
1	SQ-100-A	900	0.3	1,286	0.1	1/4	115/60/1	ODP	1725	1	5.8

SOUND

Inlet / Radiated Sound Power by Octave Band								LwA	dBA	Sones
63	125	250	500	1000	2000	4000	8000			
66	69	66	66	62	56	50	48	66	55	7.2
67	71	60	59	57	51	43	44	62	51	5.7

FLA - Based on tables 150 or 148 of National Electrical Code 2002.

LwA - A weighted sound power level, based on ANSI S1.4.
dBA - A weighted sound pressure level, based on 11.5 dB attenuation per octave band at 5.0 ft. Sones calculated using AMCA 301 at 5.0 ft.



WD-330 Vertical Mount Exhaust Damper

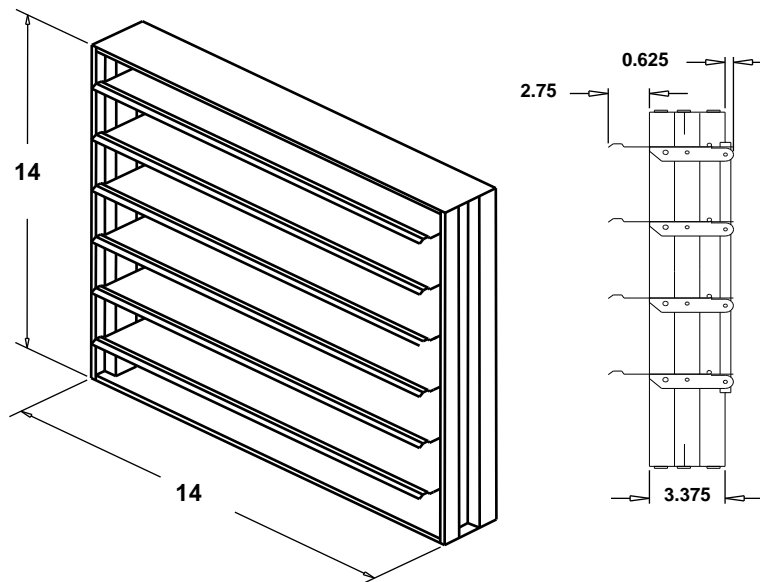
STANDARD CONSTRUCTION FEATURES

Vertical mount exhaust damper is constructed of 18 ga. galvanized steel with pre-punched mounting holes and a flangeless frame.

- Damper blades are 0.025 in roll formed aluminum with vinyl seals on the closing edge
- Steel axles are 0.188 in diameter zinc plated mounted in acetal bushing
- Synthetic axle bearings

Accessory Configuration

Blade Action	Parallel
Actuator Type	Gravity

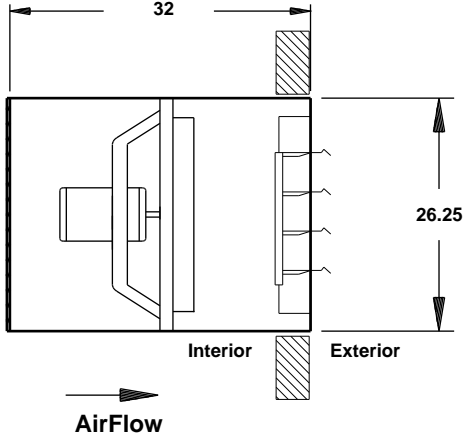


NOTES: All dimensions shown are in units of inches
Width and height furnished approximately 0.125 in undersize.

1A - Flush Exterior Standard Exhaust
For Interior Service Applications

SE2

Sidewall Direct Drive Exhaust Fan



Tag: EF2,3

STANDARD CONSTRUCTION FEATURES

- Galvanized steel fan panel
- Die formed, galvanized steel drive frame assembly
- Welded and painted steel propeller
- Ball bearing motors
- Corrosion resistant fasteners

SELECTED OPTIONS & ACCESSORIES

- Damper WD-320-PB-22x22, Gravity Operated
- Short Wall Hsg., Flush Exterior w/ OSHA Guard
- Switch - Nema-1, Toggle, Ship With Unit, Field Mounted
- Galv. Weatherhood 45 Degree w/ B.S.

Note: Wall Housing Sizes 42 and Larger with heavy motors and all Filtered Wall Housings need additional bracing.

NOTES: All dimensions shown are in units of inches
Fan weight is without accessories

DIMENSIONS

Approx. Fan Weight (lb)	Recommended Roof/Wall Opening: (in)	Optional Damper (in)
60	27.25 x 27.25	22 x 22

PERFORMANCE (Elevation ft = 0, Airstream Temperature F = 70)

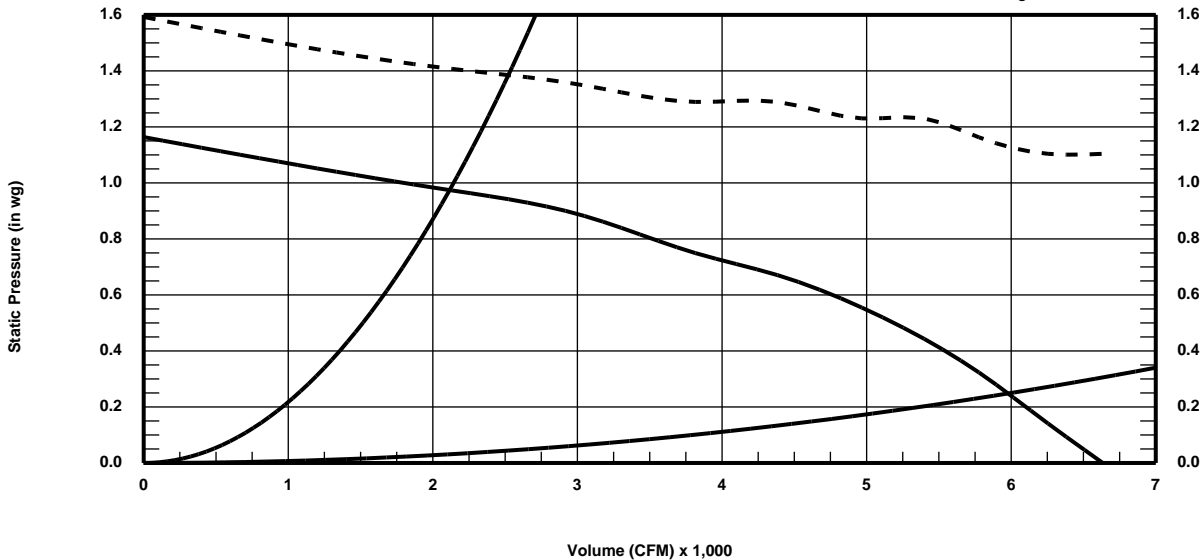
Qty	Model	Volume (CFM)	SP (in wg)	FRPM	Operating Power (hp)	Motor Information					
						Size (hp)	V/C/P	Encl:	Motor RPM:	Windings	NEC FLA (A)
2	SE2-20-427-A10	5,969	0.25	1,750	1.14	1	115/60/1	ODP	1750	1	16.0

SOUND

Inlet Sound Power by Octave Band								Lwa	dBA	Sones
62.5	125	250	500	1000	2000	4000	8000			
85	88	87	89	87	82	78	76	91	80	31

FLA - Based on tables 148 or 150 of National Electrical Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory.

Lwa - A weighted sound power level, based on ANSI S1.4.
dBA - A weighted sound pressure level, based on 11.5 dB attenuation per octave band at 5.0 ft. Sones calculated using AMCA 301 at 5.0 ft.



WD-320 Vertical Mount Exhaust Damper

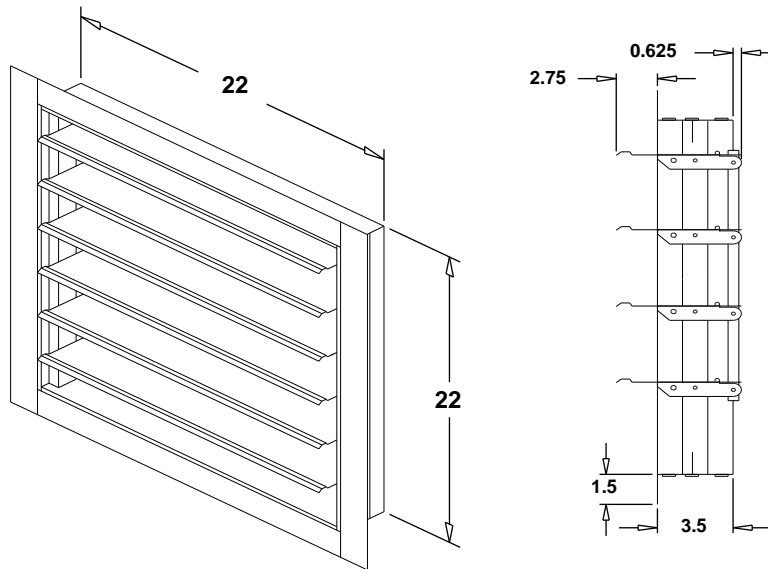
STANDARD CONSTRUCTION FEATURES

Vertical mount exhaust damper is constructed of 18 ga. galvanized steel with pre-punched mounting holes and a flanged frame.

- Damper blades are 0.025 in roll formed aluminum with vinyl seals on the closing edge
- Steel axles are 0.188 in diameter zinc plated steel mounted in acetal bushings
- Synthetic axle bearings

Accessory Configuration

Blade Action	Parallel
Actuator Type	Gravity

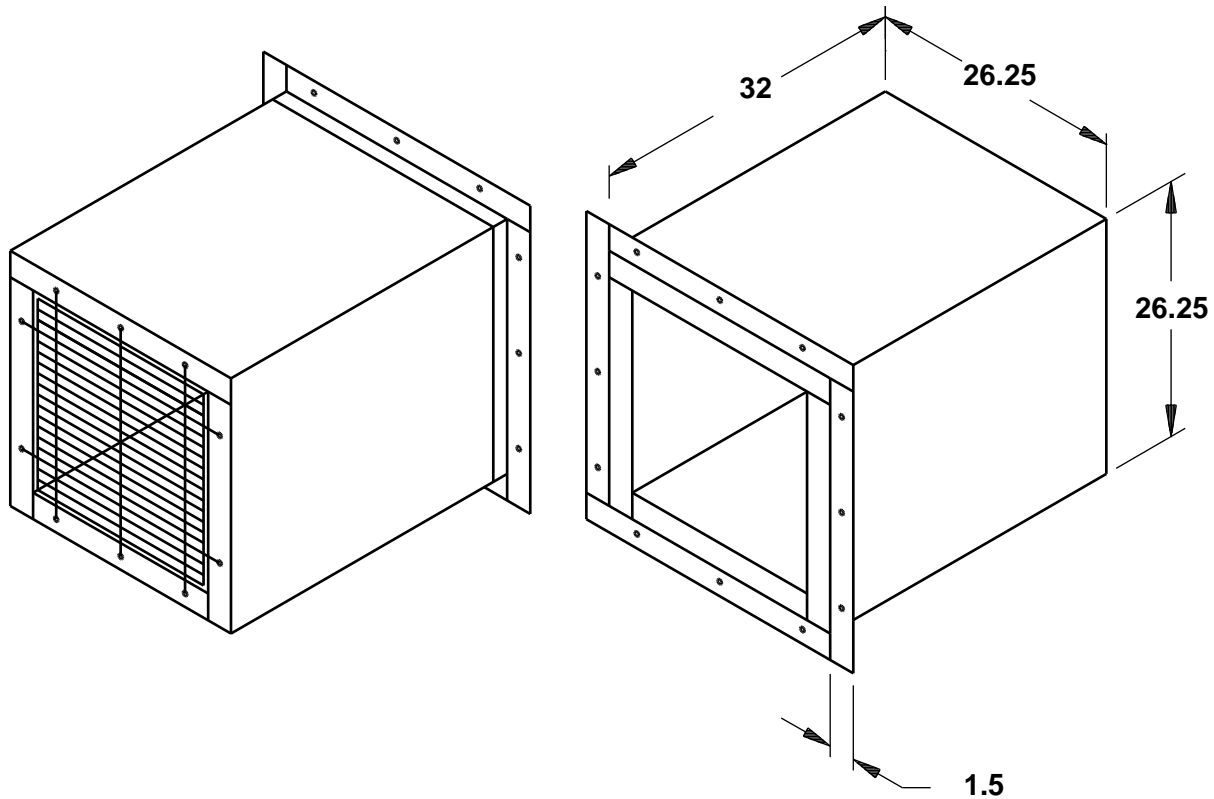


NOTES: All dimensions shown are in units of inches
Width and height furnished approximately 0.125 in undersize.

WH Wall Housing

STANDARD CONSTRUCTION FEATURES

- Galvanized steel construction
- Heavy gauge mounting flanges
- Pre-punched mounting holes
- Inside flanges allow damper to be mounted
- Overlapping weatherhood flange keeps rain out
- Protective guard of welded steel wire completely protects the drive side of the wall housing.



NOTES: All dimensions shown are in units of inches