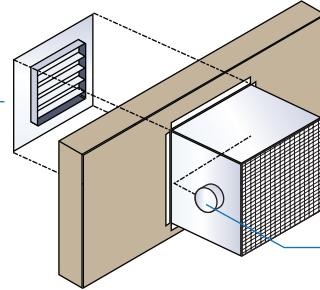


EXPLOSION PROOF EXHAUST FAN

115V/60Hz Single Phase
1725 RPM – 1/4 HP – 200W
3.4 FLA Class I Group D
Class II Group E, F, G
1217 CRM @ 0.0 SP
920 CFM @ 0.25 SP
Sound Level – 12.1 Sones @ 5' / 0.00" SP

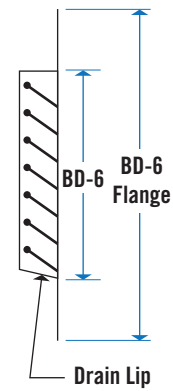
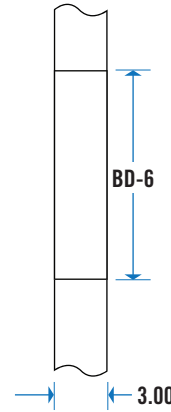
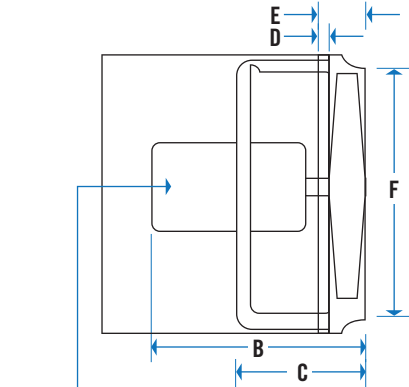
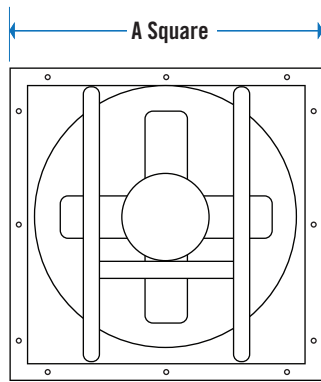
BD-6 Backdraft Damper

- Aluminum
- Galvanized
- Stainless Steel



Optional Safety Screen

Optional Loss of Flow Alarm
(NEMA 7 EXP)
Note: (Dwyer-1950-00 Switch)



Explosion Proof Fan Assembly

12" to 24" Hazardous Location Aluminum Panel Exhaust Fans

Ventilates spaces containing flammable or explosive vapors, gases, or dusts (per NEC 500). Fans meet NEC classes and groups as shown in table below. Aluminum propellers and steel frames with baked-on charcoal gray polyester finish. Capacitor-start, totally enclosed air-over, ball bearing motors are 115/230V, 60 Hz. Vertical mount. UL and C-UL listed.

Aluminum Blade Venturi Fan Dimensions							
Propeller Diameter (In.)	Dimensions (In.)						Venturi Clearance Dia. (In.)
	A Sq.	B	C	D	E	F	
12	16	14 13/16	8 1/2	1	2 15/16	12 1/4	14
16	20	14 1/16	7 7/8	1	3 9/16	16 5/16	18
18	22	14 11/16	9	1 1/16	4 1/16	18 5/16	20
20	24	15 3/8	9 7/8	1	4 1/2	20 3/8	22
24	28	11 7/8	11 1/16	1	4 15/16	24 7/16	26

Propeller Dia (In.)	CFM Air Delivery*					Sones@** 5 Ft./0.0" SP	Motor		Full Load Amps	Watts
	0.0" SP	0.125" SP	0.250" SP	0.375" SP	0.500" SP		HP	RPM		
12	1263	1125	980	680	—	14.1	1/4	1725	3.9/2.0	200
16	2662	2375	1950	1330	1130	20	1/4	1725	3.9/2.0	345
18	3231	2950	2490	2025	1550	19.3	1/3	1725	6.2/3.1	420
20	4295	4060	3810	3460	2795	24	1/2	1725	7.8/3.9	614
24	5521	5050	4550	4000	3420	27	1/2	1725	7.8/3.9	687
24	6384	5960	5550	5000	4300	28	3/4	1725	10.8/5.4	766

Propeller Dia. (In.)	Meets NEC	
	Class I Groups	Class II Groups
12	D	F & G
16	D	F & G
18	C & D	F & G
20	C & D	F & G
24	C & D	F & G
24	C & D	F & G



Note: OSHA complying guards are required when fan is installed within 7 ft. of floor, working level, or within reach of personnel. Please review OSHA codes. Consult local ventilation contractor or fire inspector for local code requirements. Do not use where motor or blades will accumulate paint residue. Electrically ground all components in hazardous location system.



* Performance shown is for installation type A: free inlet, free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances in the airstream. ** The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m), in a hemispherical free field calculated per AM CA Standard 301. Values shown are for installation type A: free inlet fan sone levels.