

The EFX Explosion-Proof Exhaust Fan is designed for hazardous and general purpose industrial applications. The EFX is constructed with epoxy-coated steel panels and spark resistant aluminum fan blades for ventilation of combustible materials, vapors and hazardous fumes. The EFX is fully assembled for easy installation, has explosion-proof motors that are CSA approved and/or UL listed with fan guards conforming to OSHA specifications.

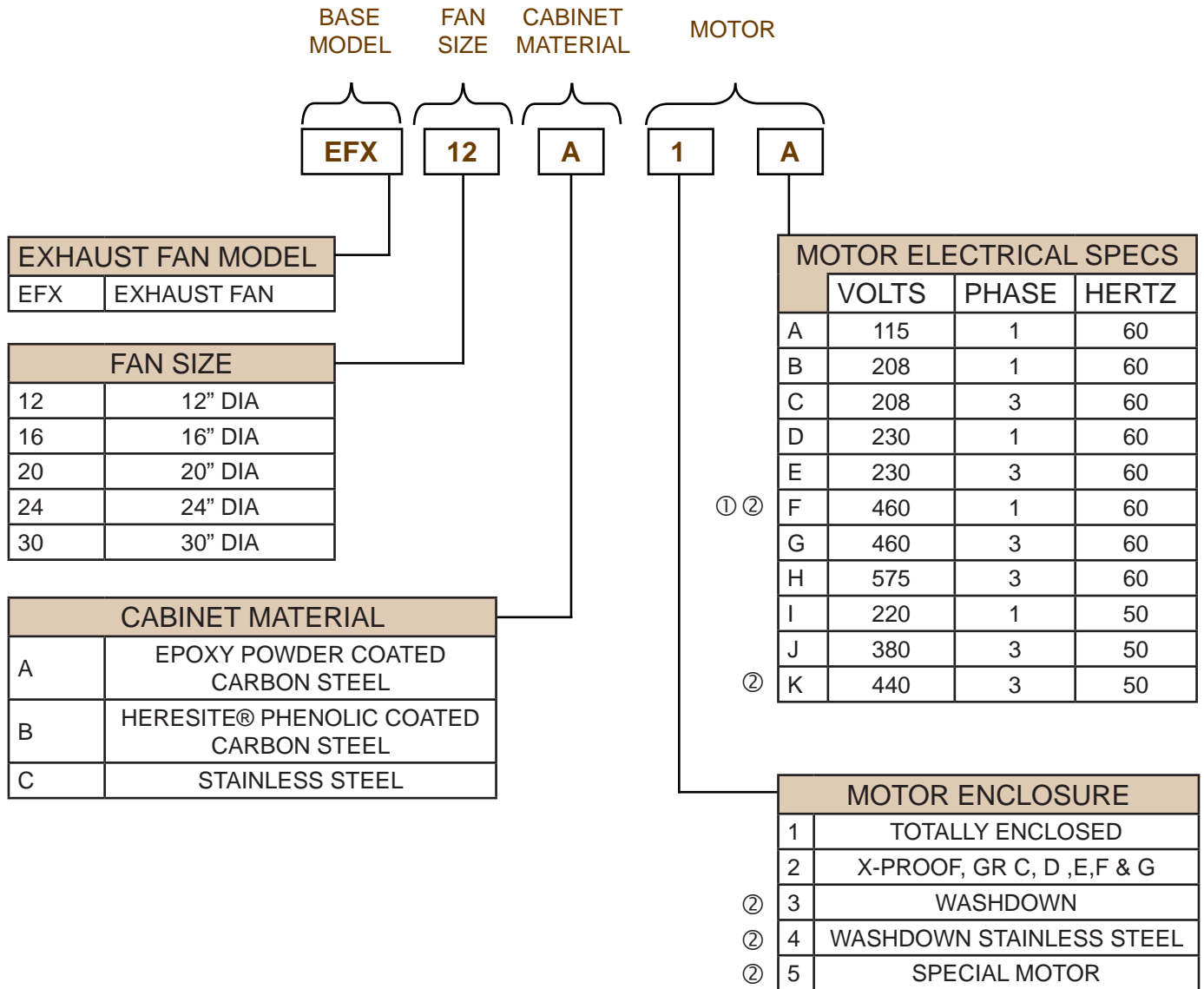


General Specifications	
Hazardous Location Classifications	Class I, Div. 1 & 2, Groups C, D. Class II, Div. 1 & 2, Groups E, F, G. Temperature Code: T3B 165°C (329°F).
Approvals	Motors are CSA approved and/or UL listed.
Fan	Aluminum blade. Steel spider and hub with 5/8 in. (15.875mm) bore. Optional Heresite® coating for corrosive atmospheres.
Fan Guard	Split design with close wire spacing, meets OSHA requirements.
Motors	CSA approved and/or UL listed permanently lubricated ball bearing type with rigid base. Explosion-proof or totally enclosed construction. All standard voltages for 60 and 50 hertz are available.
Frame Material	16ga. (0.060 in. or 1.52mm) epoxy-coated steel. Optional stainless steel or Heresite® coating for corrosive atmospheres.
Mounting	Four 3/8 in. (9.5mm) diameter holes. Must be mounted to a rigid structure.

Model	EFX12	EFX16	EFX20	EFX24	EFX30	
Fan Diameter	12 in. (305mm)	16 in. (406mm)	20 in. (508mm)	24 in. (610mm)	30 in. (762mm)	
Motor*	1/2 HP, 60Hz (0.373kW)	1/2 HP, 60Hz (0.373kW)	1/2 HP, 60Hz (0.373kW)	1/2 HP, 60Hz (0.373kW)	3/4 HP, 60Hz (0.560kW)	
Air Flow Rating @70°F (21°C)	850 CFM (1444 m ³ /hr.)	1825 CFM (3101 m ³ /hr.)	3760 CFM (6388 m ³ /hr.)	4180 CFM (7102 m ³ /hr.)	4759 CFM (8086 m ³ /hr.)	
Motor Speed	1725 RPM	1725 RPM	1725 RPM	1725 RPM	1140 RPM	
Net Weight	51.0 lbs. (23.1 kg)	55.0 lbs. (24.9 kg)	59.0 lbs. (26.7 kg)	61.0 lbs. (27.7 kg)	67.0 lbs. (30.4 kg)	
Shipping Weight	56.0 lbs. (25.4 kg)	61.0 lbs. (27.7 kg)	67.0 lbs. (30.3 kg)	96.0 lbs. (43.5 kg)	114.0 lbs. (51.7 kg)	
Dimensions	Width	16.1 in. (410mm)	20.2 in. (513mm)	24.2 in. (615mm)	28.1 in. (715mm)	34.0 in. (863mm)
		18.2 in. (462mm)	23.1 in. (588mm)	27.1 in. (688mm)	31.0 in. (788mm)	37.1 in. (942mm)
	Depth	15.4 in. (392mm)	14.9 in. (378mm)	16.1 in. (410mm)	15.5 in. (394mm)	15.6 in. (397mm)

*Note: 50Hz units also available.

EFX Explosion-Proof Exhaust Fan Model Coding



① Only available for Class I Group D, Class II Group F & G.

② Consult factory for motor availability.

Performance Data for 60 Hertz Motor

60 Hertz EFX Explosion-Proof Exhaust Fan						
Class I, Div. 1 & 2, Groups C,D, Class II, Div. 1 & 2, Groups E,F,G						
Model	Fan Size	Voltage	Phase	CFM	Approximate Shipping Weight	
					lbs	kg
EFX-12A-2A	12	115	1	850	56	26
EFX-12A-2B	12	208	1	850	56	26
EFX-12A-2C	12	208	3	850	56	26
EFX-12A-2D	12	240	1	850	56	26
EFX-12A-2E	12	230	3	850	56	26
EFX-12A-2G	12	460	3	850	56	26
EFX-12A-2H	12	575	3	850	56	26
EFX-16A-2A	16	115	1	1825	61	29
EFX-16A-2B	16	208	1	1825	61	29
EFX-16A-2C	16	208	3	1825	61	29
EFX-16A-2D	16	230	1	1825	61	29
EFX-16A-2E	16	230	3	1825	61	29
EFX-16A-2G	16	460	3	1825	61	29
EFX-16A-2H	16	575	3	1825	61	29
EFX-20A-2A	20	115	1	3760	67	31
EFX-20A-2B	20	208	1	3760	67	31
EFX-20A-2C	20	208	3	3760	67	31
EFX-20A-2D	20	230	1	3760	67	31
EFX-20A-2E	20	230	3	3760	67	31
EFX-20A-2G	20	460	3	3760	67	31
EFX-20A-2H	20	575	3	3760	67	31
EFX-24A-2A	24	115	1	4180	96	44
EFX-24A-2B	24	208	1	4180	96	44
EFX-24A-2C	24	208	3	4180	96	44
EFX-24A-2D	24	230	1	4180	96	44
EFX-24A-2E	24	230	3	4180	96	44
EFX-24A-2G	24	460	3	4180	96	44
EFX-24A-2H	24	575	3	4180	96	44
EFX-30A-2A	30	115	1	4759	114	52
EFX-30A-2B	30	208	1	4759	114	52
EFX-30A-2C	30	208	3	4759	114	52
EFX-30A-2D	30	230	1	4759	114	52
EFX-30A-2E	30	230	3	4759	114	52
EFX-30A-2G	30	460	3	4759	114	52
EFX-30A-2H	30	575	3	4759	114	52

Performance Data for 50 Hertz Motor

50 Hertz EFX Explosion-Proof Exhaust Fan						
Class I, Div. 1 & 2, Groups C,D, Class II, Div. 1 & 2, Groups E,F,G						
Model	Fan Size	Voltage	Phase	CFM	Approximate Shipping Weight	
					lbs	kg
EFX-12A-2I	12	220	1	702	56	26
EFX-12A-2J	12	380	3	702	56	26
EFX-12A-2K	12	440	3	702	56	26
EFX-16A-2I	16	220	1	1507	61	29
EFX-16A-2J	16	380	3	1507	61	29
EFX-16A-2K	16	440	3	1507	61	29
EFX-20A-2I	20	220	1	3106	67	31
EFX-20A-2J	20	380	3	3106	67	31
EFX-20A-2K	20	440	3	3106	67	31
EFX-24A-2I	24	220	1	3453	96	44
EFX-24A-2J	24	380	3	3453	96	44
EFX-24A-2K	24	440	3	3453	96	44
EFX-30A-2I	30	220	1	3931	114	52
EFX-30A-2J	30	380	3	3931	114	52
EFX-30A-2K	30	440	3	3931	114	52

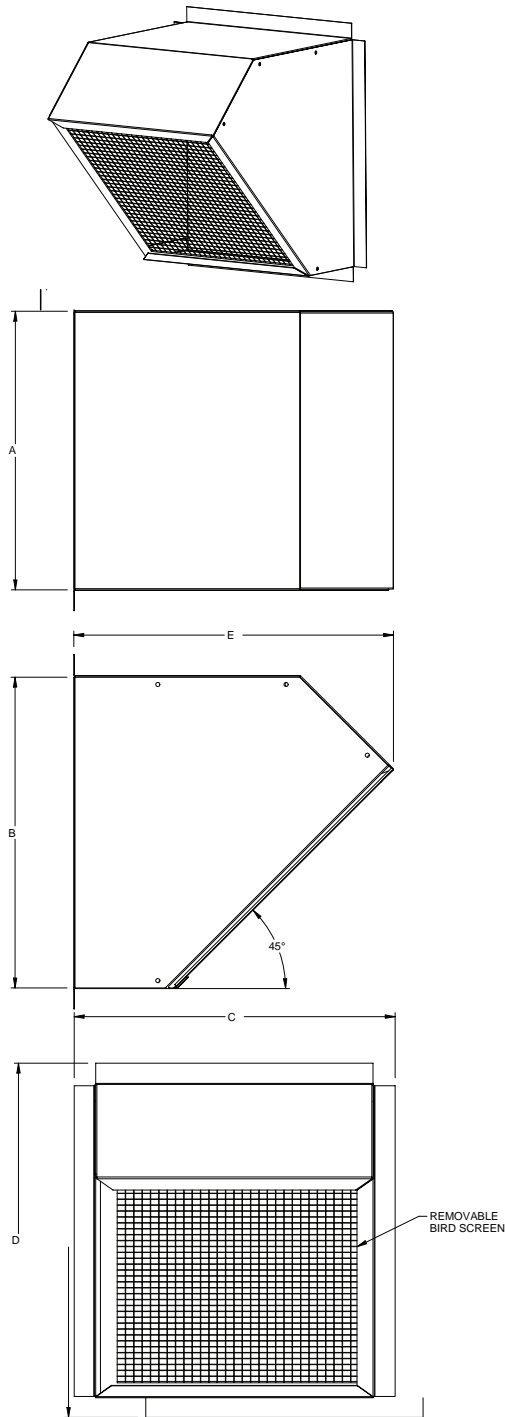
EFX Explosion-Proof Exhaust Fan Physical Dimensions

The image contains three technical drawings of the EFX Explosion-Proof Exhaust Fan. The left drawing is a front view showing the fan's width (C) and height (D). The middle drawing is a side view showing the fan's depth (G) and height (B), with a circular fan grille and a central motor housing. The right drawing is a rear view showing the fan's depth (G) and height (E). The Ruffneck logo is visible on the bottom of the side view.

DIMENSION	EFX-12	EFX-16	EFX-20	EFX-24	EFX-30	
A	mm	392.1	377.8	409.6	393.7	396.9
	in	15.4	14.9	16.1	15.5	15.6
B	mm	461.9	588	687.9	787.9	942.3
	in	18.2	23.2	27.1	31	37.1
C	mm	410	512.5	614.5	714.5	862.5
	in	16.1	20.2	24.2	28.1	34
D	mm	79.4	57.2	91.7	76.2	88.9
	in	3.1	2.2	3.6	3	3.5
E	mm	373.3	475.6	577.3	677.3	835.3
	in	14.7	18.7	22.7	24.7	32.9
F	mm	411.1	537.2	637.1	737.1	891.5
	in	16.2	21.2	25.1	29	35.1
G	mm	359.2	461.7	563.7	663.7	811.7
	in	14.1	18.2	22.2	26.1	32

EFX Accessories

Stormhood



NOTES:
1) MATERIAL: 20 Ga GALVANIZED METAL

MODEL SIZE	OPENING				C		D		E		CCI PART NUMBER
	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	
12	422.3	16 5/8	473.1	18 5/8	485.8	19 1/8	536.6	21 1/8	486.1	19 1/8	10210
16	523.9	20 5/8	600.1	23 5/8	587.4	23 1/8	663.6	26 1/8	616.5	24 1/4	10211
20	625.5	24 5/8	698.5	27 1/2	689	27 1/8	762	30	717.7	28 1/4	10211
24	727.1	28 5/8	800.1	31 1/2	790.6	31 1/8	863.6	34	822	32 3/8	10212
30	876.3	34 1/2	952.5	37 1/2	939.8	37	1016	40	978.7	38 1/2	10213

Backdraft Damper

MODEL SIZE	A		B		C		D		E	CCI PART NUMBER
	mm	Inches	mm	Inches	mm	Inches	mm	Inches		
12	514.4	20 1/4	489.0	19 1/4	463.6	18 1/4	409.6	16 1/8	50.8 (2)	10205
16	666.8	26 1/4	590.6	23 1/4	573.6	22 9/16	511.2	20 1/8		10206
20	765.2	30 1/8	692.2	27 1/4	689.0	27 1/8	616.0	24 1/4		10207
24	866.8	34 1/8	793.8	31 1/4	787.4	31	717.6	28 1/4		10208
30	1019.2	40 1/8	939.8	37	943.0	37 1/8	863.6	34		10209

NOTES:
1) MATERIAL: ALUMINUM EXTRUSIONS.

