

XF SERIES EXHAUST FANS



Ideal for Residential and light Commercial applications.

Canarm/LFI's XF series wall exhaust fans are 2 or 3 speed - with "OFF" and come complete with a 9', 115 volt grounded cord & plug. The fans are powder coated steel for strength and durability. The fan comes complete with built-in poly shutter. Simply mount the fan with 4 lag bolts in a framed opening and plug it in.



FEATURES

- Available in 12", 16", 20" and 24" sizes.
- Powder coated finish with quiet plastic exhaust louvers.
- Totally enclosed motor with auto overload protection.
- Black **OSHA** guard on intake.
- 9 foot cord with 115 volt grounded plug.
- 12", 16" and 20" sizes come with switch - 3 speeds and OFF.
- 24" size includes switch - 2 speeds and OFF.
- All fans are shipped completely assembled.



To determine the proper Canarm/LFI Fan for your applications, use the following formula.

Number of cubic feet in room / Number of minutes per air change = Required C.F.M. Capacity

****Example****

A garage 60' x 36' x 10' which requires an air change every 5 minutes (see chart below), would require the following fan capacity

$$\frac{36 \times 36 \times 10}{5} = \frac{12,960}{5} = 2592 \text{ cfm}$$

Move up to the 20" fan to ensure proper ventilation rates.

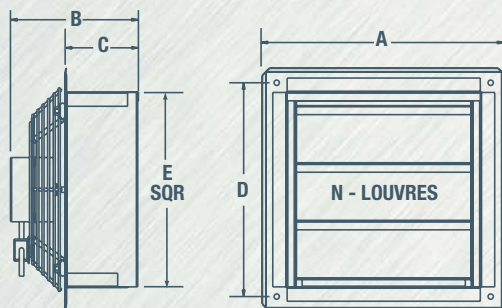
Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change
Assembly Hall	7	Church	15	Factory	6	Locker Room	3	Welding Shop	2
Auditorium	10	Classroom	6	Garage	5	Machine Shop	8	Toilet	3
Barber Shop	6	Dance Hall	5	General Office	10	Summer Cooling	1	Warehouse	12
Basement	8	Department Store	6	Gymnasium	8	Toilet	3	Welding Shop	2
Bowling Alley	5	Dry Cleaning	5	Laundry	2	Warehouse	12		

MODEL NUMBER	FAN SIZE	MOTOR HP	SPEED	VOLTS	AMPS	FAN RPM	CFM
XF12	12"	1/50	3	115	1.0	1600/1400/1100	950/830/650
XF16	16"	1/8	3	115	1.3	1600/1400/1100	1850/1600/1270
XF20	20"	1/4	3	115	1.8	1600/1400/1100	2950/2550/2000
XF24	24"	1/3	2	115	2.5	1600/1400	3400/2900

NOTE: RPM Min (Minimum) is determined when louvers are opened one inch.

Note: Wind has a significant effect on exhaust fans. A 10 mph wind creates a 0.05" pressure against the fan. A 20 mph wind creates 0.20" pressure and 30 mph a 0.45" pressure. These pressures are in addition to the static pressure in the building. Wind blocks or hoods should be included in all designs where fans will be subjected to winds above 10 mph.

DIMENSIONS



FAN	A X A SQUARE	B	C	D (c/c)	E SQR	N (# OF LOUVRES)	FRAMING
XF12	16.875"	9"	5"	14 7/8"	13 1/2"	3	14" x 14"
XF16	20 7/8"	10"	5"	18 7/8"	17 1/2"	4	18" x 18"
XF20	24 7/8"	10 3/4"	5"	22 7/8"	21 1/2"	5	22" x 22"
XF24	28 7/8"	10 3/4"	5"	26 7/8"	25 1/2"	6	26" x 26"

ACCESSORIES

- Galvanized metal hood
- 24" extension pull chain
- Portable K Kontrol Thermostat

For intake shutters, see page 15.

For a listing of available hoods, see page 11.

For thermostat control see KP16110 on page 25.