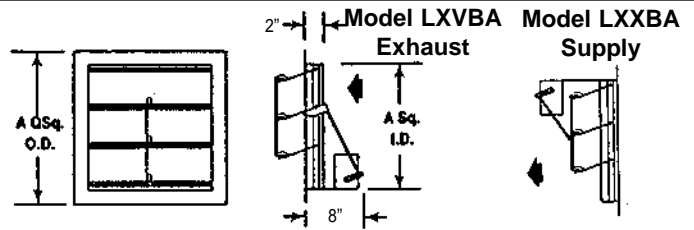


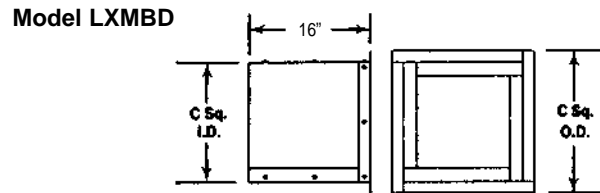
**IP [English] Dimensions**  
**SI (Metric) on Reverse Side**

CARNES COMPANY 448 S. Main St., P. O. Box 930040, Verona, WI 53593-0040 Phone: (608)845-6411 Fax: (608)845-6504 www.carnes.com

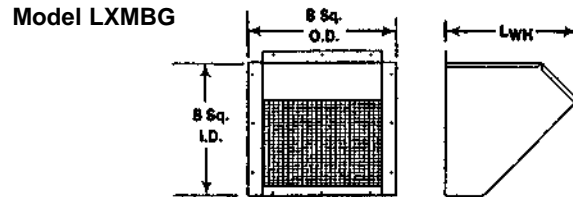
- BACKDRAFT SHUTTER** - Flanged frame style. .063 alum. frame and 24 ga. alum. blades with blade linkage. Max. Velocity = 2500 FPM. Blade seals are felt and polyurethane at sill. Mounts easily to wall collar or wall box. Flanged frames recess into wall opening.
- Motor Kit: 115-230/1/60 POSC (0.26 amps) ships loose.



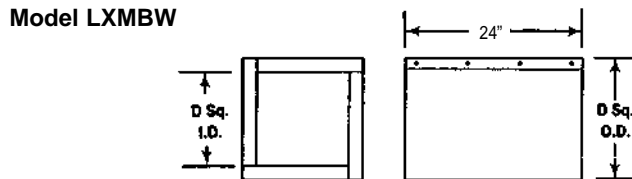
- WALL COLLAR** - 18 ga. galvanealed steel with pre-punched mounting holes for easy attachment of fan and accessories.
- Aluminum construction.
- Painted finish (baked enamel, acid resistant coating, air dry heresite, other \_\_\_\_\_).



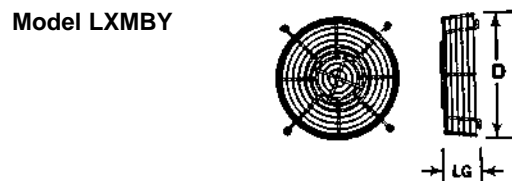
- WEATHER HOOD** - 18 ga. galvanealed steel with pre-punched mounting holes. Attaches to wall collar or wall box. Inlet birdscreen is 1/2" x .041 galvanized wire mesh.
- Aluminum construction.
- Painted finish (baked enamel, acid resistant coating, air dry heresite, other \_\_\_\_\_).



- WALL BOX** - Extends outside building. 18 ga. galvanealed steel - pre-punched for attachment to fan and accessories.
- Aluminum construction.
- Painted finish (baked enamel, acid resistant coating, air dry heresite, other \_\_\_\_\_).
- Mounting angle flanges - pre-cut galvanized (field drilled) for attachment of wall box to wall.



- PROPELLER SIDE GUARD** - (Motorside guard is standard) welded 12 ga. steel wire meets OSHA requirements. Use when propeller side is exposed. Baked enamel finish. Bolts directly to fan panel.



- Disconnect switch with junction box and cover (loose) - Model JXLA (NEMA 1), Model JXFA (NEMA 3R).
- Electronic speed control with junction box and cover (loose) - Model JXUA (3A), JXVA (6A), or JXWA (10A).
- UL 705/CUL 710 listing for electrical safety and reliability.
- Factory assembled package - fan and accessories. Electrical accessories ship loose.
- Birdscreen/wire guard (1/2" x .041 galv.) - Model LXMBE for wall collar and LXMBX for wall box.
- Not to be used with backdraft damper.

**DIMENSIONS (Inches) AND WEIGHTS**

Fan Size	Shutter			Weather Hood				Wall Collar			Wall Box			Prop Guard	
	A Sq. OD	A Sq. ID	Wt. Lbs.	LWH	B Sq. OD	B Sq. ID	Wt. Lbs.	C Sq. OD	C Sq. ID	Wt. Lbs.	D Sq. OD	D Sq. ID	Wt. Lbs.	D	Wt. Lbs.
9-12	15-1/4	12-1/4	2	14	15-1/2	14	11	19-1/4	16-1/4	16	16-1/4	13-1/4	20	15	2
13,15-16	19-1/4	16-1/3	4	18	19-1/2	18	15	23-1/4	20-1/4	19	20-1/4	17-1/4	24	19	3
17-21	23-1/4	20-1/4	6	20	23-1/2	22	20	27-1/4	24-1/4	23	24-1/4	21-1/4	29	23	4

**SI (Metric) Dimensions**  
*IP [English] on Reverse Side*

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- BACKDRAFT SHUTTER** - Flanged frame style. 1.6mm alum. frame and 24 ga. alum. blades with blade linkage. Max. Velocity = 12.7 m/s. Blade seals are felt and polyurethane at sill. Mounts easily to wall collar or wall box. Flanged frames recess into wall opening.
- Motor Kit: 115-230/1/60 POSC (0.26 amps) ships loose.

- WALL COLLAR** - 18 ga. galvanealed steel with pre-punched mounting holes for easy attachment of fan and accessories.
- Aluminum construction.
- Painted finish (baked enamel, acid resistant coating, air dry heresite, other \_\_\_\_\_).

- WEATHER HOOD** - 18 ga. galvanealed steel with pre-punched mounting holes. Attaches to wall collar or wall box. Inlet birdscreen is 13mm x 1mm galvanized wire mesh.
- Aluminum construction.
- Painted finish (baked enamel, acid resistant coating, air dry heresite, other \_\_\_\_\_).

- WALL BOX** - Extends outside building. 18 ga. galvanealed steel - pre-punched for attachment to fan and accessories.
- Aluminum construction.
- Painted finish (baked enamel, acid resistant coating, air dry heresite, other \_\_\_\_\_).
- Mounting angle flanges - pre-cut galvanized (field drilled) for attachment of wall box to wall.

- PROPELLER SIDE GUARD** - (Motorside guard is standard) welded 12 ga. steel wire meets OSHA requirements. Use when propeller side is exposed. Baked enamel finish. Bolts directly to fan panel.

- Disconnect switch with junction box and cover (loose) - Model JXLA (NEMA 1), Model JXFA (NEMA 3R).
- Electronic speed control with junction box and cover (loose) - Model JXUA (3A), JXVA (6A), or JXWA (10A).
- UL 705/CUL 710 listing for electrical safety and reliability.
- Factory assembled package - fan and accessories. Electrical accessories ship loose.
- Birdscreen/wire guard (13mm x 1mm galv.) - Model LXMBE for wall collar and LXMBX for wall box.
- Not to be used with backdraft damper.

**DIMENSIONS (Inches) AND WEIGHTS**

Fan Size	Shutter			Weather Hood				Wall Collar			Wall Box			Prop Guard	
	A Sq. OD	A Sq. ID	Wt. kg.	LWH	B Sq. OD	B Sq. ID	Wt. kg.	C Sq. OD	C Sq. ID	Wt. kg.	D Sq. OD	D Sq. ID	Wt. kg.	D	Wt. kg.
9-12	387	311	0.9	356	394	356	5.0	489	413	7.3	413	337	9.1	381	0.9
13,15-16	489	413	1.8	457	495	457	6.8	591	514	8.6	515	438	10.9	483	1.4
17-21	591	515	2.7	508	597	559	9.1	692	616	10.4	616	540	13.2	584	1.8