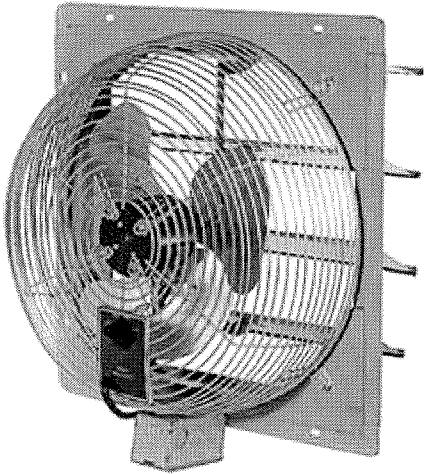


Commercial Direct Drive Exhaust Fans

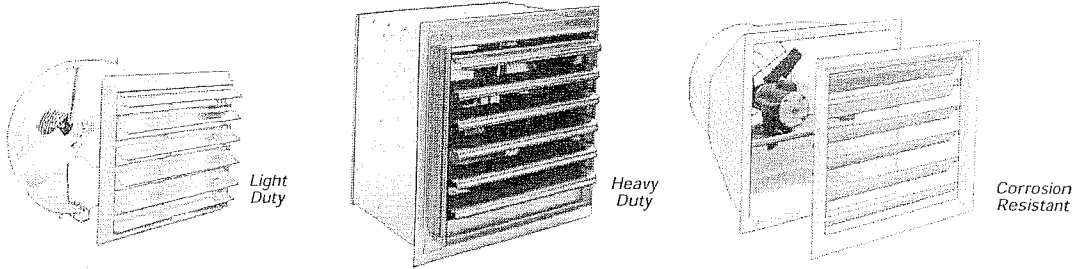


- Shutter mounted fan - Reduces installation time by eliminating inside and outside framing when a shutter is going to be used.
- For use in environments with minimal static pressure.
- Frame, guard, and louvers are steel; blades are aluminum.
- Fans have a totally enclosed motor, leads for hardwiring, and 1/2" x 1/4" mounting slots (fasteners not included).
- 12" blade dia. fans have dial speed control.
- 115VAC, 60 Hz, Single Phase
- 12" blade diameter
- 2,000/1,600/1,150 cfm
- 1,612 max rpm, 3-speed
- 1/10 hp, 1.1 amp
- 15"H x 15"W x 5-1/4"D
- Fits 12-1/2" opening

Exhaust Fans with Louvers

For information about exhaust fans, see page 638.

Direct-Drive Wall Exhaust Fans with Movable-Blade Louvers



Don't worry about matching the right size louvers with your fan—these one-piece units combine a powerful fan and movable-blade louvers. Louvers are gravity operated and open when air flows through them. Direct-drive fans have fewer moving parts to wear out or replace and usually require less space than the same diameter belt-drive fan.

Light duty fans are for use in environments with minimal static pressure. Frame, guard, and louvers are steel; blades are aluminum. Fans have a totally enclosed motor, leads for hardwiring, and $\frac{1}{2}$ " x $\frac{1}{4}$ " mounting slots (fasteners not included). 12" and 16" blade dia. fans have dial speed control. 24" and 30" blade dia. fans have a pull chain and UL recognized components.

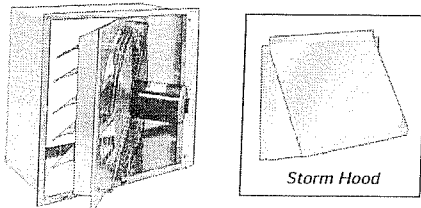
Heavy duty fans mount through the wall and fit varying wall thicknesses when used with the two included lengths of angled sheet metal. Frame, cabinet, and louvers are galvanized steel; blades are aluminum. Fans have a wire mesh inlet guard, open dripproof (ODP) motor (unless noted), and leads for hardwiring. UL and C-UL listed. Drill mounting holes as needed.

Corrosion-resistant fans have a durable polyethylene housing and polypropylene blades that won't rust, crack, or require painting. Louvers are PVC; guard is gray epoxy-coated steel. Fans have a totally enclosed motor and a junction box for hardwiring. Drill mounting holes as needed.

Blade Dia.	cfm	Max. rpm (No. of Speeds)	hp	Amps	Sones	Overall Size, Ht. x Wd. x Dp.	Fits Opening Size, Sq.	Each
Light Duty								
115 VAC, 60 Hz, Single Phase								
12"	2,000/1,600/1,150	1,612 (3)	$\frac{1}{10}$	1.1	Not Rated	15" x 15" x $5\frac{1}{4}$ "	12 $\frac{1}{2}$ "	19455K21
16"	3,000/2,650/2,250	1,677 (3)	$\frac{1}{6}$	1.1	Not Rated	19" x 19" x $5\frac{5}{8}$ "	16 $\frac{1}{2}$ "	19455K22
24"	5,000/4,200	1,144 (2)	$\frac{1}{4}$	2.2	Not Rated	27" x 27" x $11\frac{3}{8}$ "	24 $\frac{1}{2}$ "	19455K23
30"	7,800/6,600	1,107 (2)	$\frac{1}{4}$	2.5	Not Rated	33" x 33" x $11\frac{3}{8}$ "	30 $\frac{1}{2}$ "	19455K24
Heavy Duty								
115 VAC, 60 Hz, Single Phase								
10"	873	1,550 (1)	$\frac{1}{20}$	1.9	7.1	19 $\frac{1}{2}$ " x 19 $\frac{1}{2}$ " x 20 $\frac{3}{4}$ "	17 $\frac{1}{4}$ "	19105K18
12"	1,548	1,615 (1)	$\frac{1}{6}$	1.7	11.1	19 $\frac{1}{2}$ " x 19 $\frac{1}{2}$ " x 20 $\frac{3}{4}$ "	17 $\frac{1}{4}$ "	19105K19
16"	2,556	1,115 (1)	$\frac{1}{6}$	2.2	10.1	23 $\frac{1}{2}$ " x 23 $\frac{1}{2}$ " x 25 $\frac{1}{4}$ "	21 $\frac{1}{4}$ "	19105K24
18"	3,809	1,095 (1)	$\frac{1}{3}$	3.8	12.8	27 $\frac{1}{2}$ " x 27 $\frac{1}{2}$ " x 26 $\frac{1}{4}$ "	25 $\frac{1}{4}$ "	19105K25
24"	6,609	1,050 (1)	$\frac{3}{4}$	10.0	16.8	33 $\frac{1}{2}$ " x 33 $\frac{1}{2}$ " x 26 $\frac{1}{4}$ "	31 $\frac{1}{4}$ "	19105K26
208-230/460 VAC, 60 Hz, Three Phase								
24"	5,227	1,140 (1)	$\frac{1}{2}$	2.7/1.4	17.4	33 $\frac{1}{2}$ " x 33 $\frac{1}{2}$ " x 26 $\frac{1}{6}$ "	31 $\frac{1}{4}$ "	19105K27
30"	8,462	1,140 (1)	1	3.8/1.7	25.0	39 $\frac{1}{2}$ " x 39 $\frac{1}{2}$ " x 27 $\frac{1}{2}$ "	37 $\frac{1}{4}$ "	19105K28
230/460 VAC, 60 Hz, Three Phase								
36"	12,304	860 (1)	1 $\frac{1}{2}$	6.0/3.0	25.0	45 $\frac{1}{2}$ " x 45 $\frac{1}{2}$ " x 31 $\frac{1}{2}$ "	43 $\frac{1}{4}$ "	19105K32
Corrosion Resistant								
115 VAC, 60 Hz, Single Phase								
8"	605/540	1,550 (2)	$\frac{1}{10}$	1.5	Not Rated	14" x 14" x 19 $\frac{1}{2}$ "	11"	6658T71
115/230 VAC, 60 Hz, Single Phase								
14"	2,550	1,700 (1)	$\frac{1}{3}$	5.0/2.5	Not Rated	23 $\frac{1}{2}$ " x 23 $\frac{1}{2}$ " x 27"	21"	6658T72
20"	4,871	1,725 (1)	$\frac{1}{2}$	6.0/3.0	Not Rated	28 $\frac{1}{2}$ " x 28 $\frac{1}{2}$ " x 28"	25 $\frac{3}{4}$ "	6658T73
24"	6,841	1,140 (1)	$\frac{1}{2}$	6.4/3.2	Not Rated	32 $\frac{1}{2}$ " x 32 $\frac{1}{2}$ " x 32"	29 $\frac{3}{4}$ "	6658T74

■ Totally enclosed fan-cooled (TEFC) motor.

Supply/Exhaust Wall Fans with Movable-Blade Louvers

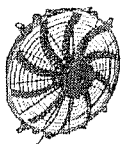


Simply pivot these fans within their housing to reverse supply to exhaust. They come complete with movable-blade PVC louvers. Fans have a galvanized steel frame, aluminum blades, and a zinc-plated steel guard. They have $\frac{3}{8}$ " x $\frac{3}{4}$ " mounting slots (fasteners not included) and include a galvanized steel storm hood. All are direct-drive with a single-phase, totally enclosed motor and must be hardwired. Not rated for sones. 12" blade dia. fan has wire leads. 20" blade dia. fans have a junction box.

Two-speed fans include an on/off toggle switch.

Blade Dia.	cfm	Max. rpm (No. of Speeds)	VAC @ 60 Hz	hp	Amps	Overall Size, Ht. x Wd. x Dp.	Fits Opening Size, Sq.
12"	1290/520	1550 (2)	115	$\frac{1}{10}$	1.3	19" x 19" x 14 $\frac{1}{2}$ "	17 $\frac{3}{8}$ "
20"	3825	1725 (1)	115/230	$\frac{1}{3}$	5.0/2.5	27" x 27" x 20 $\frac{1}{4}$ "	25 $\frac{3}{8}$ "
20"	3825/2375	1715 (2)	115	$\frac{1}{3}$	5.3	27" x 27" x 20 $\frac{1}{4}$ "	25 $\frac{3}{8}$ "

Supply/Exhaust DC Fans



When AC power is not practical or available, use one of these reversible DC fans. They have impact-resistant nylon blades and guard, leads for hardwiring, and $\frac{1}{4}$ " mounting holes (fasteners not included). Fans have a sealed motor and operate on 12 VDC. They come set up for exhaust but can easily be reversed to supply. Not rated for sones.

Blade Dia.	cfm	rpm	Amps	O'all Dia.
10"	950	2850	7.9	11 $\frac{3}{16}$ "
12"	1155	2380	7.7	13 $\frac{3}{16}$ "
14"	1555	2260	10.1	15 $\frac{1}{16}$ "
16"	2170	2750	17.7	16 $\frac{5}{16}$ "

Installing the Exhaust Fan in your shelter --

The wall has been prepped to accept your Exhaust Fan using Panel-15 (or a similar product, replaces the glass in the cavity where the Exhaust Fan is to be installed. After you have installed the walls and roof, remove the Exhaust Fan unit from its container. Please compare your work order, packing list with the Exhaust Fan specifications. Follow the manufacturers instructions included in the Exhaust Fan container. Depending on the size of the Exhaust Fan, the hole size may vary. For example, the 7" Exhaust Fan requires a 9-3/4" x 9-3/4" hole. The 10" Exhaust Fan and the 12" Exhaust Fan require a 11-3/4" x 11-3/4" hole. If your work order specifies a special size Exhaust Fan, the directions will be part of the manufacturer's instructions. Slip the E-6 framing into the opening, making sure it is completely installed onto the material used to connect the Exhaust Fan to. The flat side of the E-6 faces outside. Fasten the fan to the E-6 frame using with eight #10 x 1/2" Tek Screws.

Remove the electrical cover on fan and attach conduit and corresponding wires on fan to wires coming from ox on the wall. **Make sure that the power is disconnected** prior to making electrical connection.

