

# LECO

**PRODUCTS**

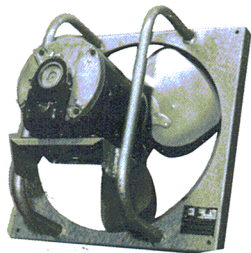
## PROPELLER FANS

Exhaust and Supply  
Direct Drive and Belt Drive  
Wall and Roof Mounted  
Shutters



**LONGLEY ELECTRIC CO. LTD.**  
Established 1937

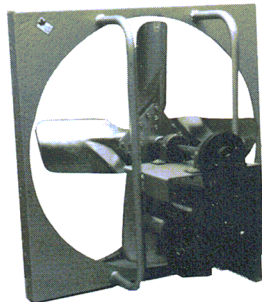
# LECO EXHAUST FANS



## **"Model A" LECO HIGH CAPACITY FANS - 1725 rpm**

### **"Model AM" LECO MEDIUM CAP. FANS - 1140 rpm**

A rugged industrial fan of welded steel construction. It has a totally enclosed motor which is CEMA Code rated for continuous operations, a square mounting panel and is easily installed. Sizes 12" to 20". For overall mounting panel size add 2 $\frac{3}{4}$ " to Fan. Maximum depth - 13".



## **"Model B" LECO V-BELT DRIVEN FANS**

### **380 - 1300 rpm**

These sturdy fans are of welded steel construction, with motor mounted below a ball bearing arbour. They are continuously rated, fully balanced, extremely quiet and produce large air volume with low power consumption. Sizes 24" to 42". For overall mounting panel size add 2 $\frac{3}{4}$ " to Fan Size. Maximum depth - 19".



## **"Model H" LECO DOUBLE BELT FANS**

Heavy duty version of Model B. Frames are  $\frac{3}{16}$ " angle iron with 4 side pipes. Motors of up to 5 HP, deliver up to 26000 CFM.

## **"Model D" LECO HEAVY DUTY DIRECT DRIVE FANS**

Frames same as Model H only direct drive. Sizes 24", 30", 36". Motors from 1 - 3 HP.



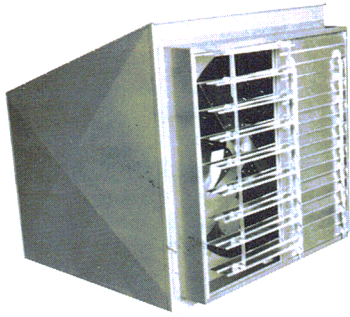
## **"Model C" LECO COMMERCIAL FANS - 1450 rpm**

Mounting panel of cast aluminum. Motor - Mono. bearing permanently lubricated, very quiet, and fully balanced, for continuous operation. Sizes 10" and 12". For overall mounting panel size add 3" to Fan. Maximum depth - 4 $\frac{1}{4}$ ".

## **"Model A.S." LECO AUTOMATIC SHUTTERS**

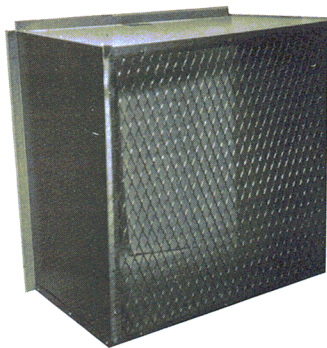
For fan sizes 10" to 42". Frame of welded steel construction. All aluminum leaves are linked together to operate as a unit on sizes 30" to 42". Shutters are 1" wider than Fan size with a 1" mounting flange all round. Depth - 3".

# LECO ACCESSORIES



## **“Model P” LECO ROOF EXHAUSTERS**

Commonly referred to as Penthouses. Steel enclosures are cross formed for rigidity, comes complete with a removable roof and choice of shutter or weather hood. Available for any of our LECO Fans.



## **“Model RG” LECO REAR GUARD**

### **“Model FG” LECO FRONT GUARD**

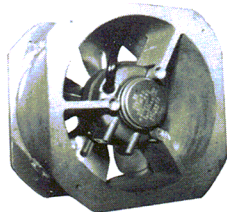
The Guard is a short steel duct with a 1/2" or 1" expanded metal screen. The guards are surface mounting and designed to keep objects from entering the fan.

## **“Model AR” LECO ALL AROUND GUARD**

This Guard is a steel section that encloses the four sides of the fan, and covers the front and back with either 1/2" or 1" expanded metal screens. Cords with plugs are available.

## **“Model WH” LECO WEATHER HOODS**

Steel hoods shield the fan from the environment. Uses include intake fans and those applications where an automatic shutter is not suitable.



## **“Model 7 AX” LECO SPECIAL APPLICATION FAN**

This cast aluminum fan is 8" square with a depth of 5". It comes with a 7" blade and a 9 watt motor which moves 200 C.F.M.

## **OTHER SPECIALTY FANS ARE AVAILABLE**

All of our fans are available as intake models. We will build custom Fans and Shutters to your specifications.

# LECO EXHAUST FANS

## FAN SELECTION CHART

Use this chart to help calculate the amount of air required. (cfm) cubic feet of air per minute.

$$\frac{\text{Number of cubic feet in room}}{\text{Number of minutes per air change}} = \text{Required C.F.M.}$$

E.G. If a store is 100' x 40' x 10' = 40000 cubic feet.

$$\frac{40000 \text{ cubic feet}}{8 \text{ mins. per air change}} = 5000 \text{ C.F.M. required}$$

### METRIC CONVERSION

1 CFM = 0.472 l/sec.  
 1" S.P. = 249 Pascals  
 1" = 2.54 Cm.  
 1 lb. = .45 kg.

To calculate the number of minutes per air change use the table below, if your exact application is not listed, use a similar application.

APPLICATION*	MINUTES PER AIR CHANGE	APPLICATION*	MINUTES PER AIR CHANGE
Assembly Hall	7	Hospital	8
Auditorium	10	Hotel Room	3
Bakery	3	Kitchen	2
Barber Shop	6	Laundry	2
Basement	8	Lobby	8
Bathroom	3	Locker Room	3
Battery Room	4	Machine Shop	8
Bedroom	5	Meeting Room	2
Boiler Room	1	Paint Shop	1
Bowling Alley	5	Plating Room	3
Church	10	Pressing Room	1
Classroom	5	Private Office	3
Cocktail Bar	3	Projection Booth	2
Corridor	10	Restaurant	6
Dairy	4	School	7
Department Store	6	Store	8
Dry Cleaning	5	Summer Cooling	1
Engine Room	6	Tavern	3
Foundry	4	Theatre	5
Garage	5	Toilet	3
General Office	10	Transformer Room	1
Gymnasium	8	Warehouse	12
*Industrial Commercial		Welding Shop	2

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for over 50 years**

Whether your need is for cooling or heating you can depend on our quality products made in B.C.

### WARRANTY

Longley Electric Co. Ltd. guarantees its products to be free of defects in material and workmanship for a period of one year from date of receipt by the original purchaser. During this period we will repair or exchange, at our option, any defective unit which is returned freight prepaid to your supplier or to the factory. This warranty does not cover any consequential damages; labour or transportation costs incurred in the removal and re-installation at the user's premises.

This warranty is void in the case of alterations, accident, abuse or operation not in accordance with its function.

This warranty as stated herein is in lieu of all other warranties expressed or implied and there shall be no liability for any consequential, special or contingent damages or expenses arising directly or indirectly from the breach of any warranty or from the use of the goods or equipment covered hereby.

## LECO EXHAUST FANS

**LONGLEY ELECTRIC CO. LTD.**

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