



Iron Lung Ventilator Company

5407 Prospect Avenue
Cleveland 3, Ohio

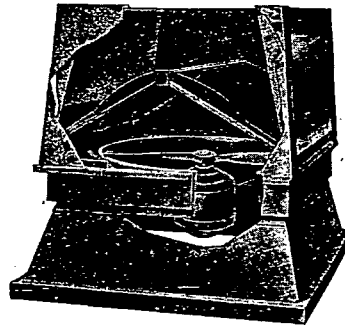


Manufacturers of IRON LUNG Roof Ventilators and Air Intake Units

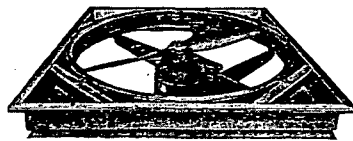
High Velocity Discharge exhausts polluted air so high above the roof that impurities cannot return to building through open doors and windows.

All IRON LUNG roof ventilators are equipped with Airfoil Propeller Axial Flow Fans having air delivery ratings certified in accordance with the Standard Test Code for Axial Fans endorsed by the PFMA and the ASHVE.

Without cost or obligation our experienced engineers will cooperate in planning efficient ventilation for any type or size of industrial building. Write for Catalog listing all sizes with complete specifications. Data sheet will be included to make it convenient to explain a specific ventilating problem.



"Cut-a-way View of IRON LUNG"



"IRON LUNG Chassis, Assembled"

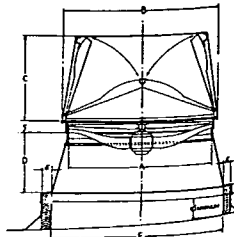
Left: IRON LUNG chassis, a sturdy all-welded unit that supports the fan, fan ring, and motor—one of the really great improvements to electrically operated roof ventilators. Adds strength to the entire unit—absorbs vibrations.

IRON LUNG RATINGS

Cat. No.	Size	RATING CFM	HP	RPM	Approx. Net Wt.	Approx. Shpg. Wt.
110/220 Volt, 1 Phase, 60 Cycle						
300	20"	3720	$\frac{1}{4}$	1725	175 lbs.	250 lbs.
340	24"	5200	$\frac{1}{4}$	1725	209 lbs.	316 lbs.
220/440 (or 550) Volt, 3 Phase, 60 Cycle						
341	24"	6510	$\frac{1}{2}$	1725	233 lbs.	356 lbs.
348	30"	8880	$\frac{1}{2}$	1725	288 lbs.	455 lbs.
351	30"	10900	1	1725	300 lbs.	465 lbs.
358	36"	13500	1	1725	390 lbs.	565 lbs.
370	42"	21150	2	1140	613 lbs.	808 lbs.
376	48"	28800	3	1140	773 lbs.	983 lbs.
383	60"	40000	3	1140	875 lbs.	1175 lbs.

IRON LUNG DIMENSIONS

All Dimensions are for Units of 5 HP or Less							
Size of Iron Lung "A"	20"	24"	30"	36"	42"	48"	60"
B	27"	31"	37"	43"	49"	55"	67"
C	14 $\frac{1}{4}$ "	17"	20 $\frac{1}{4}$ "	23 $\frac{1}{4}$ "	26 $\frac{1}{4}$ "	30"	36 $\frac{1}{2}$ "
D	15"	15"	15"	15"	19"	19"	22"
E	30"	34"	40"	48"	54"	62"	74"
Overall Curb	37"	41"	47"	55"	61"	69"	81"

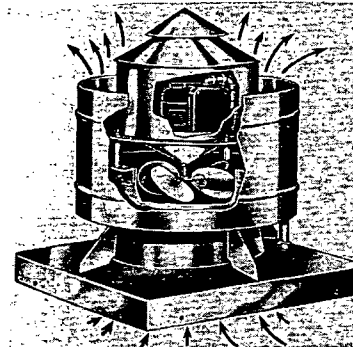


Muckle Manufacturing Co.

666 Belford Road

Owatonna, Minn.

Sales Engineering Representatives in Principal Cities



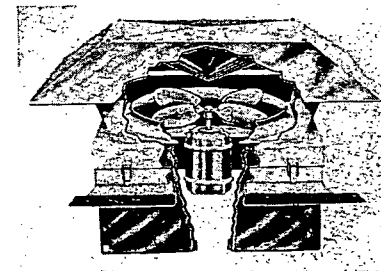
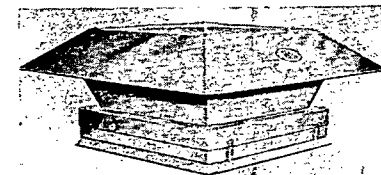
MUCKLE VENTS are propeller driven, axial flow, roof mounted power ventilators; designed with the motor out of the air stream to be used where especially heavy concentrations of water vapor, toxic or corrosive gases and other harmful contaminants are present. These units are very efficient at low static pressures. All fan blades are certified under NAFM test code ratings.

MUCKLE VENTS come as a complete packaged unit, ready to install and can be installed equally well on old buildings or incorporated into new structures. They are designed for use on industrial, commercial and institutional buildings. These units are available in 15 sizes varying from 254 cfm to 10280 cfm with some sizes turning at slow speed for

quieter operation. These ventilators are powered with a standard make, continuous duty, full ball bearing, completely enclosed electric motor of the permanent split capacitor type so that 2 and 4 speed switches can be used. Explosion proof motors are available.

The base and throat of MUCKLE VENTS are made from 14 and 16 gage steel. The storm bands and cones are made from 18 and 20 gage steel. The parts are hot dipped galvanized after fabrication to insure complete coverage of all sheared edges and welded seams and joints. The motors are directly connected to the propeller—no belts to wear out, tighten or replace. MUCKLE VENTS are designed completely weather proof—rain can not enter the flue past the storm band. Automatic or motor driven back draft dampers are available with or without fuseable fire links. Corrosion resistant coatings can be supplied on order.

NEW MUCKLE LO-SIL VENTILATORS are designed for schools, hospitals, libraries, churches, restaurants, and commercial buildings. These units present a low silhouette in accordance with the latest trend in architecture. The LO-SIL ventilators are available in 31 capacity sizes varying from 225 cfm to 17,600 cfm, static pressures to $\frac{1}{8}$ in. Some units operate at slow speed to effect quiet performance. Cut away photo shows placement of motor which is mounted on special vibration separators. Hood is hinged and secured by two heavy duty draw buckles which makes inspection easy from the roof. Material is heavy gage steel, electric welded and finished with two coats of special paint. Other coatings can be supplied on order. Motors are totally enclosed, full ball bearing available for single or three phase current. Single phase motors are capacitor type for variable speed operation. Explosion proof motors available on special orders.



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