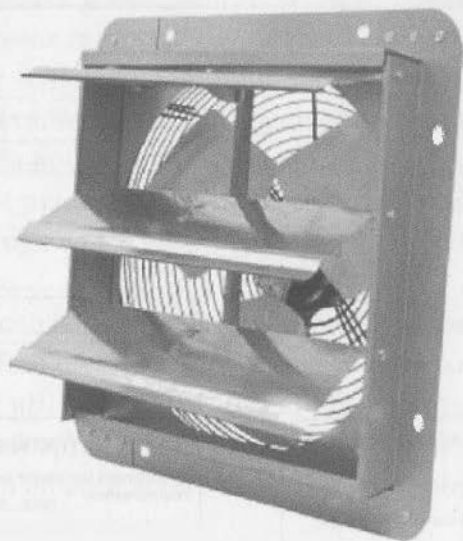


# EXHAUST FAN

## OPERATION INSTRUCTIONS



<Reference>

## OPERATING INSTRUCTIONS

1. Keep the area free of objects that could impede air flow on both the intake and exhaust side of fan.
2. For proper exhaust operation, windows, doors, or louver should be opened for fresh air intake on the opposite side of the area to be ventilated.

## MAINTAINANCE

1. Disconnect power source before servicing.
2. Periodically clean off accumulated dirt from the propeller, guard, motor, and shutter.

## LIMITED ONE-YEAR WARRANTY

IPOWER warrants this product to be free of defects in material and workmanship for the applications specified in the Owner's Manual for a period of one year from date of purchase. This warranty only applies to the original purchaser of this product.

This warranty excludes damage, accidental or otherwise, to the unit not caused by a defect in material or workmanship.

The warranty also excludes damage caused by misuse, tampering, modification, disassembly, repairs or alterations, or failure to adequately maintain and care for the unit. Operating this product under any conditions other than those recommended or at voltages other than indicated will also void this warranty. For warranty issues, contact the place of purchase for repair / replacement opportunities. The original dated receipt or proof of purchase must accompany all returns.

Injury, property, or any incidental or consequential damage of any kind resulting from malfunctions, defects, misuse, improper assembly or installation, or alteration of this product.

Some states do not allow for the limitation or exclusion of incidental or consequential damages, or do not allow limitation on implied warranties. The above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and may also include other rights

**READ AND FOLLOW ALL INSTRUCTION BEFORE OPERATING FAN**  
Read carefully before attempting to assemble, install, operator maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

#### **WARNING**

1. The motor amperage and voltage ratings must be checked for compatibility to supply voltage prior to final electrical connection. Please refer to the motor's nameplate label.
3. This product is to be used indoors.
4. Wiring must conform to local, state, and national codes.
5. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
6. Children should be supervised to ensure that they do not play with the appliance

## Rules for safe operation

1. Do not depend on any switch as the sole means of disconnecting power when installing or servicing the fan.
2. Always disconnect, lock-out, and tag-out power source before installing to or servicing. Failure disconnect power source can result in fire, shock, or serious injury.
3. Motor will restart without warning after thermal protector trips. Do not touch operating motor; it may be hot enough to cause injury.
4. Do not place body parts or objects in fan or motor openings while motor power is connected to the source.
5. All electrical connections should be made by a qualified electrician.
6. These utility exhaust fans are for general purpose exhaust applications only. Do not use these exhaust fans in an area where corrosive or explosive materials may be found.
7. Follow all local and state/provincial electrical and safety codes in the United States and Canada, as well as the National Electrical Code(NEC)Act and

the Occupational Safety and Health (OSHA) the United States, and the Canadian Electric Code (CEC)in Canada.

8. Always disconnect power source before working on or near a motor or its connected load.
9. Protect the power cable from contacting with sharp objects.
10. Donot kink or create tight bends in the power cable and never allow the in cable to come contact with oil, grease ,hot surfaces, or chemicals.
11. Make certain that the power source conforms to the requirements of your specific exhaust fan model. The fan frame and motor must be electrically grounded to a suitable electrical ground, such as a grounded water pipe or ground wire system.
12. To reduce the risk of injury to persons, please observe the following: In the United States, OSHA compliant guards are required when fan is installed within 7 feet of the floor or working level. In Canada, CSA compliant guards are required when fan is installed below 2.5 meters(8.2 feet) above the floor or grade level.

## ASSEMBLY COMPONENTS

.Mounting fasteners(8)

.Sealant or Caulk

.Regular Screwdriver Set

1.The unit should be secured mounted in a rigid framework

**NOTE:** Allowing the fan frame to flex or move will result in excess vibrations, which may cause possible premature shutter failure.

2.Connect power to the motor using an approved wiring method hood. Refer to the following wiring

*Fan frame and motor must be securely and adequately grounded to a suitable electrical ground, such as a ground wiring system.*

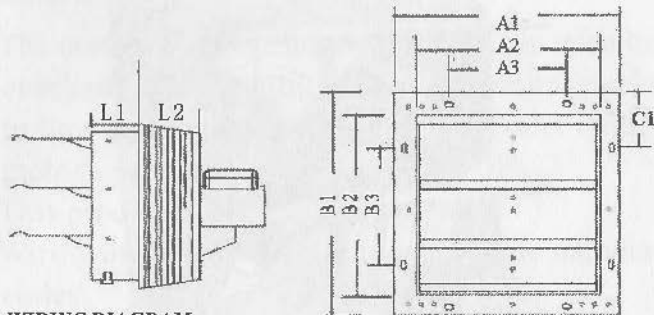
unit:inch.Tolerance:±0.5inch

No.	Model	A1(in)	A2(in)	A3(in)	B1(in)	B2(in)	B3(in)	C1(in)	L1(in)	L2(in)
1	7"	10.79	9.02	5.83	10.79	8.78	5.83	2.52	1.89	
2	10"	12.79	10.31	6.89	12.79	10.31	6.89	2.95	1.89	
3	12"	15	12	7.9	15	12.1	7.9	3.5	2.0	4.1
4	14"	17.13	14.13	9.13	17.13	14.13	9.13	4.06	2.25	3.85
5	16"	18.88	16.13	11.875	18.88	16.13	11.88	3.5	2.375	4.13
6	18"	21	18.13	14	21	18.13	14	3.5	2.63	4.75
7	20"	23	20.18	16	23	21.3	16	3.5	2.875	5.75
8	24"	28.9	24	19.7	28.9	24.2	19.7	4.5	3.5	5.0
9	30"	34.8	30	21.6	34.8	30.1	21.6	6.5	3.5	5.1

## GENERAL SPECIFICATIONS

Power source	Refer to Product Label Shown
Mounting Position	Vertical
Frame Material	Galvanized Steel
Shutter Blade Material	Aluminum Alloy
Propeller Material	Aluminum Alloy and Galvanized Steel

Dimensions(Inches)



WIRING DIAGRAM

