



# INSTRUCTION MANUAL FOR IN LINE DUCT FAN

**READ INSTRUCTIONS COMPLETELY BEFORE INSTALLATION AND SAVE FOR REFERENCE**

- !** **WARNING: BE SURE POWER IS OFF AT THE ELECTRICAL PANEL BEFORE WIRING.**
- !** **CAUTION: FOR GENERAL VENTILATION USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS OR VAPOURS.**
- !** **CAUTION: TO REDUCE THE RISK OF FIRE AND TO PROPERLY EXHAUST AIR, AIR MUST BE DUCTED OUTSIDE. DO NOT EXHAUST AIR INTO ATTICS, GARAGES, CRAWL SPACES ETC..**
- !** **WARNING: INSTALLATION, MAINTANCE AND SERVICE WORK MUST BE PERFORMED BY QUALIFIED PERSONNEL IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES AND STANDARDS.**

Inspect all shipments carefully for damage. The receiver must note any damage on the carrier's bill of lading and file a claim immediately with the freight company.

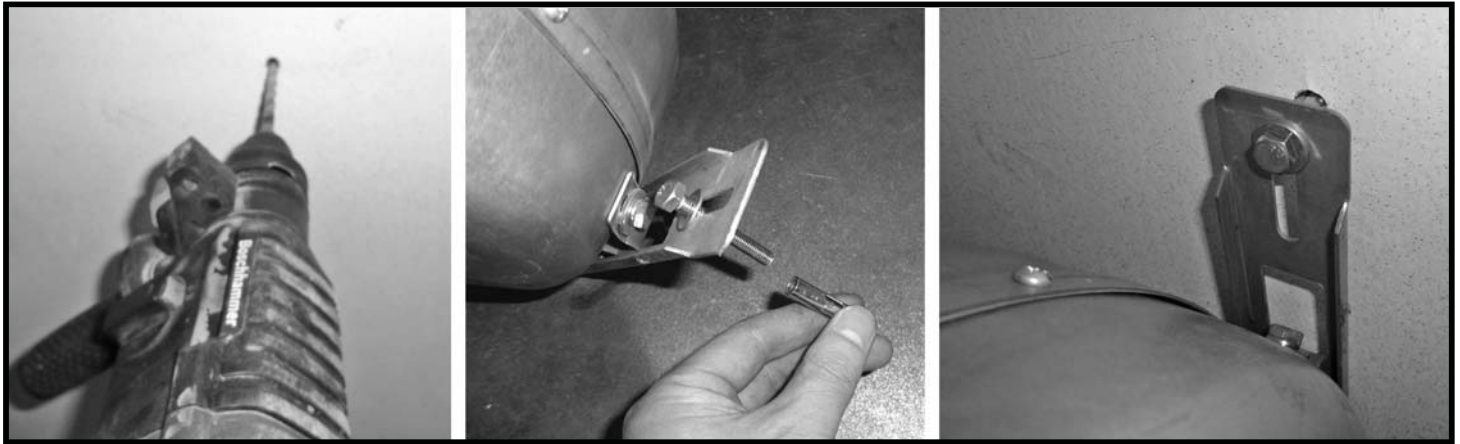
The purpose of this manual is to aid in the proper installation and operation of this unit. These instructions are intended to supplement good general practices and are not intended to cover detailed procedures. It is the responsibility of the purchaser to assure that the installation and maintenance of this equipment is handled by qualified personnel.

## INSTALLATION

- Turn the impeller by hand to ensure it rotates freely.
- Ensure that all power is turned off/locked out at the electrical panel before doing any wiring.
- All wiring and installation must be performed by qualified personnel in accordance with all local and national building codes and safety standards including fire codes.
- Ensure that mounting location can support the fan assembly.
- Connect the duct to the inlet and discharge of the fan, while ensuring the electrical box is accessible.
- Confirm that supply voltage matches motor nameplate rating.
- Make electrical connections to the fan junction box.
- These fans are suitable for use with a speed control. For wiring information refer to speed control user manual.
- This fan is intended to be hard wired to a properly rated circuit and must be properly grounded. Do not use this fan with an extension cord.

- !** **WARNING: THIS FAN HAS AN UNGUARDED IMPELLER AND SHOULD NOT BE LOCATED WHERE ACCESSIBLE TO PEOPLE. GUARDING SHOULD BE USED IF FANS ARE MOUNTED WITHIN SEVEN FEET (2 METRES) OF WORKING OR GRADE LEVEL OR WHERE DEEMED ADVISABLE FOR SAFETY.**

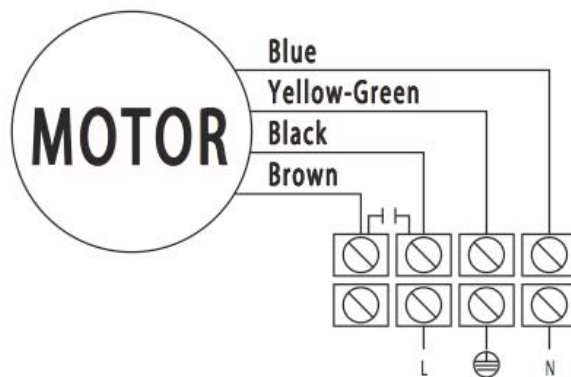
See Installation Photos Below



## MAINTENANCE

- Ensure that all power is turned off/locked out at the electrical panel before performing cleaning or servicing.
- Maintenance and service work must be performed by qualified personnel in accordance with all local and national standards and codes.
- Impellers must be inspected regularly to ensure proper vibration free operation. Remove any dust, dirt, debris or obstructions with a clean damp cloth.
- The motor bearings are permanently lubricated and do not require re-greasing.

## WIRING DIAGRAM



## WARRANTY

Canarm Limited warrants this equipment to be free from defects in material and workmanship for a period of one year from the date of sale. The motor manufacturer warrants motors for a period of one year. Any fans or parts, which prove to be defective during the warranty period, will be repaired or replaced at our option when returned to our factory transportation prepaid. A return authorization number, that is to be obtained our customer service department, must accompany all returns to Canarm Limited. Canarm Limited will not be responsible for any removal or installation costs.

**CANARM LTD. – CORPORATE HEAD OFFICE**  
2157 Parkedale Ave., PO Box 367 Brockville, ON K6V 5V6 Canada Phone: (613) 342-5424 Fax: (613) 342-8437  
Web Site: [www.canarm.com](http://www.canarm.com)