

# Industrial Air Circulator Instructions



For All Utility Fan Models

## READ AND SAVE THESE IMPORTANT INSTRUCTIONS

It is important that the following safety precautions be followed when using this product:

- ALWAYS unplug unit for cleaning or maintenance.
- ALWAYS unplug unit when not in use.
- ALWAYS unplug when moving unit from one location to the next.
- DO NOT use an extension cord. Plug fan into a properly rated electrical outlet.
- DO NOT place foreign objects through guards into blades.
- DO NOT allow unit to become wet or damp.
- DO NOT use this fan with any solid state speed control device.

**WARNING:** To reduce the risk of fire, electrical shock, or injury to persons, observe the following:

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag to the service panel.

### INSTALLATION INSTRUCTIONS

For installation on wood structures, use a 1/2" lag screw of appropriate length for the application.

For installation on steel structures, use a 1/2" bolt of the appropriate length for the application, in combination with a flat washer, a lock washer and a 1/2" nut.

For installation on masonary structures, use a 1/2" lag screw, in combination with a lag shield, of appropriate length for the application.

In all cases, it is recommended that a flat washer be placed on both sides of the fan yoke to assist in smooth rotation.

### OPERATING INSTRUCTIONS

This unit is equipped with a three (3) speed selector switch, which allows you to select a desired amount of air delivery. During normal operation it is not uncommon for the motor to be warm to the touch. The motor is equipped with a thermo-protector, and will automatically de-energize the fan if it were to over heat for any reason. If this should happen immediately disconnect unit from power outlet.

### CLEANING/MAINTENANCE INSTRUCTIONS

All maintenance should be done by either TPI Corporation or a qualified electrician. The motor bearings are lubricated at the factory and should not require any additional lubrication. However, if bearing lubrication is required, apply a small amount of a synthetic oil to the motor bearing.

Remove two retaining screws and open the six guard clips on the flange. Lift front guard up and off to separate the two halves. Use mild detergent to clean the blade and guards. Avoid allowing cleanser to come in contact with the motor windings or bearing. Then replace front guard in reverse order of disassembly. Allow fan to dry completely before next use.

Reference assembly drawing and parts list on the reverse side of this instruction sheet. Save these important instructions. Your TPI Air Circulator carries a one year warranty.

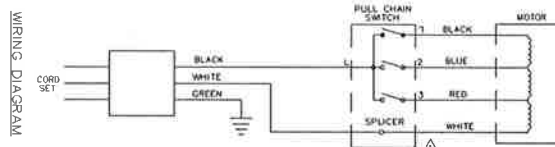
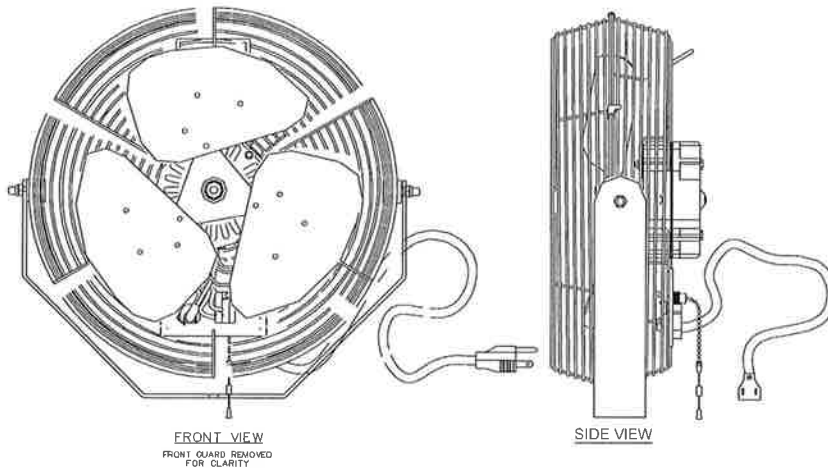
For additional information on TPI Products or replacement parts, call TPI Customer Service Department at 1-800-251-0382 or write the address below.

PO. Box 4973 • Johnson City, Tennessee 37602-4973 • 423-477-4131 • FAX 423-477-0683

FORM: 9890

| MODEL |      |        |         |          |         | QTY | TP1<br>P/N | DESCRIPTION                       |
|-------|------|--------|---------|----------|---------|-----|------------|-----------------------------------|
| U-12  | U-18 | U-18-N | U-12-TC | U-18-10P | U-24-TC |     |            |                                   |
| 001   | 002  | 003    | 004     | 005      | 006     | 1   | 58056-011  | YOKE                              |
|       |      |        |         |          |         | 1   | 58056-012  | YOKE                              |
|       |      |        |         |          |         | 1   | 58056-013  | YOKE                              |
|       |      |        |         |          |         | 1   | 63754-001  | FRONT GUARD                       |
|       |      |        |         |          |         | 1   | 63755-001  | FRONT GUARD                       |
|       |      |        |         |          |         | 1   | 63761-001  | FRONT GUARD                       |
|       |      |        |         |          |         | 1   | 63808-001  | FRONT GUARD                       |
|       |      |        |         |          |         | 1   | 63990-001  | FRONT GUARD                       |
|       |      |        |         |          |         | 1   | 63993-001  | FRONT GUARD                       |
|       |      |        |         |          |         | 1   | 63989-001  | REAR GUARD                        |
|       |      |        |         |          |         | 1   | 63991-001  | REAR GUARD                        |
|       |      |        |         |          |         | 1   | 63992-001  | REAR GUARD                        |
|       |      |        |         |          |         | 1   | 63753-001  | REAR GUARD                        |
|       |      |        |         |          |         | 1   | 63756-001  | REAR GUARD                        |
|       |      |        |         |          |         | 1   | 63970-001  | REAR GUARD                        |
|       |      |        |         |          |         | 1   | 58041-001  | MOTOR                             |
|       |      |        |         |          |         | 1   | 58043-001  | MOTOR                             |
|       |      |        |         |          |         | 1   | 58158-001  | MOTOR, TOTALLY ENCLOSED           |
|       |      |        |         |          |         | 1   | 58181-001  | MOTOR, TOTALLY ENCLOSED           |
|       |      |        |         |          |         | 1   | 58186-001  | MOTOR, TOTALLY ENCLOSED, 277V     |
|       |      |        |         |          |         | 1   | 58364-002  | MOTOR, TOTALLY ENCLOSED           |
|       |      |        |         |          |         | 1   | 58061-003  | MOTOR, TOTALLY ENCLOSED           |
|       |      |        |         |          |         | 1   | 58478-001  | FAN BLADE ASSEMBLY                |
|       |      |        |         |          |         | 1   | 58299-008  | FAN BLADE ASSEMBLY                |
|       |      |        |         |          |         | 1   | 29904-017  | FAN BLADE ASSEMBLY                |
|       |      |        |         |          |         | 1   | 43887-001  | CENTER LOGO LABEL                 |
|       |      |        |         |          |         | 1   | 43802-001  | CENTER LOGO LABEL                 |
|       |      |        |         |          |         | 1   | 44122-001  | CENTER LOGO LABEL                 |
|       |      |        |         |          |         | 1   | 43883-001  | SWITCH PLATE LABEL                |
|       |      |        |         |          |         | 1   | 43883-003  | SWITCH PLATE LABEL                |
|       |      |        |         |          |         | 1   | 58071-001  | SWITCH                            |
|       |      |        |         |          |         | 1   | 68513-001  | SWITCH                            |
|       |      |        |         |          |         | 1   | 58047-001  | CORD SET ASSEMBLY                 |
|       |      |        |         |          |         | 1   | 43882-001  | STRAIN RELIEF                     |
|       |      |        |         |          |         | 2   | 42502-001  | BOLT, 1/4" - 20 X 1.250" CARRIAGE |
|       |      |        |         |          |         | 2   | 43884-001  | RUBBER BUSHING                    |
|       |      |        |         |          |         | 2   | 4901       | NUT, 1/4" - 20 HI CROWN NYLOCK    |
|       |      |        |         |          |         | 4   | 3904       | NUT, #8-32 NYLOCK                 |
|       |      |        |         |          |         | 2   | 3377       | NYLON TY-RAP                      |
|       |      |        |         |          |         | 1   | 3159       | #6 x 1/4 TYPE A SCREW             |

☒ DENOTES ITEM REQUIRED FOR THAT MODEL



SWITCH WIRING  
 1 = CORD, BLACK  
 1 = MOTOR, BLACK  
 2 = MOTOR, BLUE  
 3 = MOTOR, RED  
 SPICER = MOTOR/CORD, WHITE  
 TAB ON SWITCH PLATE = GREEN GROUND  
 ATTACH WITH ITEM #10