



## Industrial Air Circulator Instructions

For All Suspension Style Portable Direct Drive Blowers

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 unit when moving unit from one location to the next.
- ALWAYS plug fan into a properly rated electrical outlet.
- DO NOT place foreign objects through guards into blades.
- DO NOT allow the unit to become wet or damp.
- DO NOT use this fan with any solid state speed control.

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

Use this unit only in the manner intended by the manufacturer. If you have any 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.

### OPERATING INSTRUCTIONS

This unit is equipped with a on/off switch. TPI Air Circulators can be used alone or in conjunction with an air conditioner to circulate and force cooled air into other areas. 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 the power outlet. If an extension cord is required, use only a 14/3 wire gauge minimum for lengths of up to 50 feet and 12/3 wire gauge for lengths over 50 feet.

### INSTALLATION INSTRUCTIONS

This unit is equipped with three (3) fumed eye bolts, attached to the blower wrapper, for securing suspension chains. TPI Corporation recommends that a minimum grade 70 High Strength Steel Chain with 1/4" diameter be used to mount suspension blowers overhead. TPI Corporation also recommends the use of a secondary safety cable for all over head mounting applications.

### 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 high temperature bearing grease.

Use a 5/16" nut driver to loosen screws for removing front and rear fan guards. Use an air hose or vacuum to remove any air born contaminants which may have settled on motor or bearings. Use mild detergent to clean blade and guards. Avoid allowing the cleanser to come in contact with the motor bearings or windings. Replace guards using 5/16" nut driver. Allow fan to completely dry before next use.

Reference parts list on 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 to the address below.

P.O. Box 4973 \* Johnson City, Tennessee 37602-4973 \* 423-477-4131 \* Fax 423-477-0683

P/N: 9905  
ECO 1-5637

## ASSEMBLY LIST FOR DIRECT DRIVE BLOWERS

MODEL		
SB 30-D	SB 36-D	SB 42-D

DENOTES ITEM REQUIRED FOR THAT MODEL

VARIATION			QTY	TPI P/N	DESCRIPTION
-001	-002	-003			
X			1	63971-006	WRAPPER ASSEMBLY
	X		1	63971-009	WRAPPER ASSEMBLY
		X	1	63971-010	WRAPPER ASSEMBLY
X			1	58538-001	FAN BLADE ASSEMBLY
	X		1	58538-001	FAN BLADE ASSEMBLY
		X	1	58299-012	FAN BLADE ASSEMBLY
X			1	63950-009	FAN GUARD FRONT
	X		1	63950-014	FAN GUARD REAR
		X	2	63086-001	FAN GUARD
		X	2	63086-004	FAN GUARD
X			1	58165-001	MOTOR
	X		1	58572-001	MOTOR
		X	1	58262-003	MOTOR
X			1	29699-006	CAPACITOR
	X		1	29152-002	CAPACITOR
		X	1	41019-001	CAPACITOR BOOT
X			1	50842-002	CAPACITOR STRAP
X			4	3904	NUT 8-32 NYLOCK
X			4	5193	NUT 10-32 NYLOCK
X			3	1633	5/16"-18 HEX NUT
X			4	42504-005	BOLT 1/4"-20 x 1/2"
X			3	43937-001	EYEBOLT 5/16"
X			2	43936-001	SUPPORT PLATE
X			3	1737	WASHER, LOCK
X			1	41315-001	HANDY BOX
X			4	43674-001	WASHER, FLAT
X			2	43903-001	CENTER LOGO STICKER
X			4	42504-003	BOLT 1/4"-20 x 1"
X			7	43894-001	1/4"-20 NYLOCK HEX NUT
X			1	43882-002	STRAIN RELIEF
X			2	43651-001	#6-32 PAN HEAD PHILLIPS
X			1	44091-001	MOTOR STRAP
X			1	58542-101	CHANNEL BRACE
X			1	58093-002	CORD SET ASSEMBLY
X			12	43621-001	SCREW, SHEET METAL
X			12	4404	WASHER, RUBBER
X			2	4418	ROMEX CONNECTOR
X			1	28686-001	SWITCH, ROTARY
	X		1	63255-001	SWITCH, ROCKER
		X	1	43909-001	SWITCH, ROCKER
X			1	58539-002	TUBE ASSEMBLY
	X		1	58539-003	TUBE ASSEMBLY
		X	1	58133-003	TUBE ASSEMBLY