



Ring Blower R5760

OPERATION INSTRUCTIONS



- **Easy Maintenance** **No Lubricator required**

Thank you for purchasing our products. They are manufactured to the highest quality. Please refer to this manual for recommended maintenance, operational and safety instructions.

WARNING

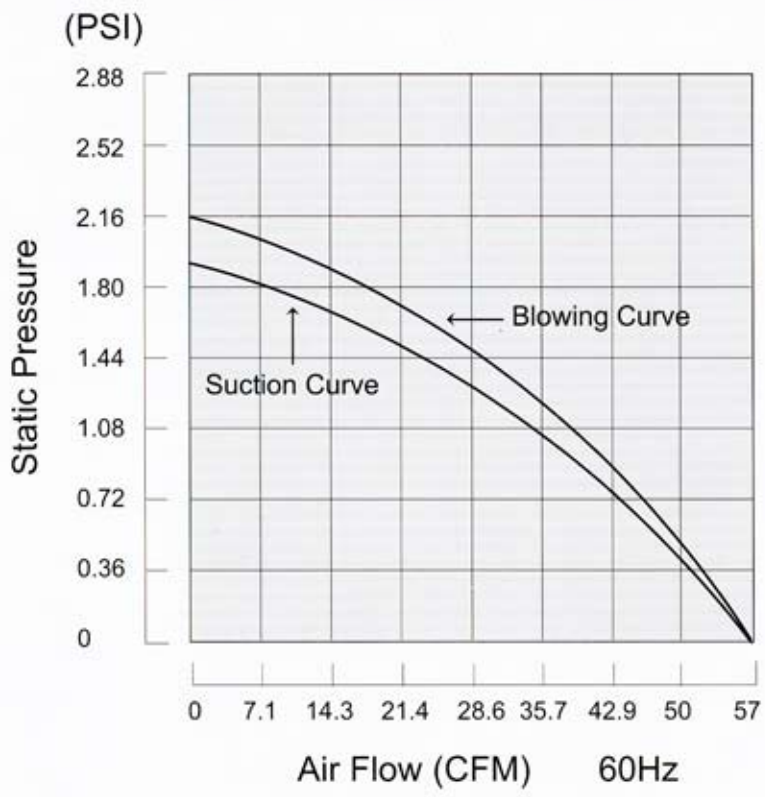
FOR REPLACEMENT OR CHANGE OF ANY PARTS IN THE SERVICE MANUAL,
WE SUGGEST YOU CONTACT AN AUTHORIZED TECHNICIAN.

DANGER

To avoid possible electric shock, do not attempt repairs yourself, return the Whirlwind Blower to an authorized service facility, place of purchase.

1. If the blower falls into the water. DO NOT REACH FOR IT. Shut off the fuse or circuit breaker supplying power to the unit, retrieve it, and throw the blower away.
2. It should NOT be plugged in if there is water on or inside the unit.
3. Do not operate if the cord or plug is damaged, or if the unit has been dropped or damaged in any way.
4. Do not use the blower near or pump volatile liquids such as gasoline, thinners, etc., the unit could explode.
5. Close supervision is necessary when an appliance is used by or near children.
6. This blower is intended to deal with clean, dry air only. Do not attempt operation with water or other liquids.
7. The ambient operating temperature for this blower is between 23°F (-5°C) and 104°F (40°C). Operation of blower in temperature range may result in malfunction or severely shortened service life.
8. Do not block the air being discharged. Be sure your diffuser is not clogged and septic tank is cleaned regularly (3-4 years min).
9. Always unplug blower prior to servicing. Grasp plug to remove cord from outlet. Do not remove by pulling on power cord.
10. Do not use the blower for other than intended use. The use of attachments not recommended or not sold by the blower manufacturer may cause an unsafe condition.
11. Do not install blower where it will be exposed to weather.
12. Ensure blower is securely mounted prior to operation.
13. Read and observe all important markings on blower
14. To avoid injury, do not touch moving parts or hot parts such as heaters, reflectors, and lamp bulbs which may warm the unit.
15. Always unplug unit before putting on or taking off parts or cleaning.
16. Do not run under higher pressure or vacuum than indicated in Figure 1.

Fig 1



INSTALLATION

Disconnect electrical power at the fuse box or circuit breaker before installing this product. Install this product horizontally under cover and above high water level due to rain, runoff or sewer backup. Install this product where it will be weather protected. Electrically ground this product. Failure to follow these instructions can result in death, fire or electrical shock.

CORRECT INSTALLATION IS YOUR RESPONSIBILITY.

Make sure you have the proper installation conditions and that your diffuser is not clogged and tank pumped.

MOUNTING

This product must be installed on a flat, horizontal surface under cover. Mounting the product to a stable, rigid operating surface.

PLUMBING

Connect with pipe and fittings or rubber hose that are the same size or larger than the unit's outlet connection.

ACCESSORIES

Install relief valve and gauge at outlet to monitor performance.

MOTOR CONTROL

It is your responsibility to contact a qualified electrician and assure that the electrical installation is adequate and in conformance with all national and local codes and ordinances.

ELECTRICAL CONNECTION

This product must be properly grounded. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. The Whirlwind Blower is wired 120V, 1PH but is a dual voltage motor and can be wired 220V/1PH.

MODEL WITH A POWER SUPPLY CORD

This product must be grounded. For 120-volt circuit connect power supply cord grounding plug to a matching grounded outlet. Do not use an adapter.

In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product may be equipped with a power supply cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if you are not sure whether the product is grounded. Do not modify the plug provided. If it will not fit the outlet have the proper outlet installed by a qualified electrician.

MODEL THAT IS PERMANENTLY WIRED:

This product must be connected to a grounded, metallic, permanent wiring system or an equipment grounding terminal or lead on the product. Power supply wiring must conform to all required safety codes and be installed by a qualified person. Check that supply voltage agrees with that listed on product nameplate.

OPERATION

Use only recommended parts acceptable for pressure of at least 10 psi. When used, motor covers must be in place for safe operation. Product surfaces may become hot during operation. Do not direct air at a person or animal. Wear proper eye protection. Do not use around flammable or combustible liquid or gas. Failure to follow these instructions can result in burns, eye injury or other serious injury. It is your responsibility to operate this product at recommended pressure duty and room ambient temperature.

START UP

If blower fails to start or slows down significantly under load, shut off and disconnect from power supply. Check that the voltage is correct for the blower and that your diffuser in the septic tank is clean and tank is pumped regularly (3-4 yrs min).

MAINTENANCE

If product is hard wired into system, disconnect electrical power at the circuit breaker or fuse box before performing maintenance on the unit. Failure to follow these instructions can result in death, fire or electrical shock. Unit surfaces may become hot during operation; allow unit surfaces to cool before handling. Do not direct air stream at any person or animal. Wear proper eye protection. Clean the unit in a well-ventilated area. Failure to follow these instructions can result in burns, eye injury or other serious injury.

IT IS YOUR RESPONSIBILITY TO:

- Regularly inspect and make necessary repairs to product in order to maintain proper operation.
- Make sure that pressure is released from product before starting maintenance.
- Never add oil.

Check intake filter after first 500 hours of operation. Clean filter and adjust frequency for your situation. This maintenance will help to assure the units performance and service life,

CLEANING

Do not use any other combustible solvent to clean unit.

1. Remove filter and clean using detergent and water only.
2. Rinse filter well and air dry

Check that all external accessories work, relief valves and gauges are attached securely and are not damaged before re-operating unit.

TROUBLE SHOOTING

Status	Causes	Solution
Motor does not work without any sound.	<ol style="list-style-type: none"> 1. Power lost phase 2. Wiring disconnection 3. Electro-magnetic switch broken 4. Motor coil burnout 	<ol style="list-style-type: none"> 1. Check power condition 2. Check wiring connection and tighten again if loosen 3. Check electro-magnetic switch condition 4. Send for repair
Motor locked up	<ol style="list-style-type: none"> 1. Blower impeller stuck 2. Bad Bearing 3. Screw loosen 	<ol style="list-style-type: none"> 1. Clean blower inside 2. Replace bearing 3. Check all screws and tighten if loose
Motor RPM slow with loud current sound.	<ol style="list-style-type: none"> 1. Wrong wiring connection 2. Wrong voltage 3. Motor coil burnout 	<ol style="list-style-type: none"> 1. Check wiring connection method 2. Use multi-meter to check power voltage 3. Send for repair
Motor RPM regular, blower with strange sound.	<ol style="list-style-type: none"> 1. Corrosion on impeller 2. Worn bearing 3. Blower housing damaged 	<ol style="list-style-type: none"> 1. Replace impeller or clean 2. Replace bearing 3. Send for repair
Blower with harsh loud sound.	<ol style="list-style-type: none"> 1. Blower cracked from deformation or corrosion 2. Worn muffler cotton 3. Blower running pressure too high 	<ol style="list-style-type: none"> 1. Send for repair 2. Replace muffler cotton 3. Check piping or filter blocked or motor choose blower with bigger capacity
Blower works regular-ly, pressure or air flow lower than standard.	<ol style="list-style-type: none"> 1. Wrong motor rotation 2. Worn blower impeller 3. Blocked piping or filter 4. Wrong Voltage 5. Worn bearing 6. Too many piping sudden change or curve design 	<ol style="list-style-type: none"> 1. Change motor rotation direction 2. Replace blower impeller 3. Clean piping and filter 4. Change to proper voltage 5. Replace bearing 6. Change piping design

** Blower is technical product, please do not dismantle and repair it without consulting a professional technician to avoid any danger.*

WARRANTY

The Whirlwind Blower warrantee is for 18 months from the date of purchase provide that:

- It is operated in accordance with the instruction manual.
- Any repairs to the blower, which must be accompanied by this certificate, are performed by the dealer from which it was purchased.

Through the guarantee period may not have expired, payment for repairs must be made in the following cases:

- When the fault is due to improper usage or repairs have been attempted by persons other than an authorized dealer.
- When due to fire, natural disaster, water damage or incorrect voltage.
- If the guarantee has been lost, incorrectly completed or details fraudulently changed.

Please read this Manual and save for future reference.

This blower is an Oil-less compressor requiring NO lubrication. Consult your supplier before using at high altitudes.