

PC 3021 Direct Drive

PORTABLE COOLERS™

**OWNER'S
MANUAL**
Read and
save these
instructions

- Installation
- Operation



OWNER'S RECORD Please complete for future reference.

Model # _____ Serial # _____

Purchased from _____

Date Purchased _____



TRIANGLE ENGINEERING OF ARKANSAS, INC.

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IMPORTANT: READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE OR SERVICE THIS FAN. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

The PORTABLE COOLER is a direct drive fan designed for medium duty use in machine and auto repair shops, factory work stations, patios and decks, in laundries and dry cleaners, and anywhere air movement is required. It is easily rolled to various locations on sturdy 7 " diameter wheels. The unit is constructed of cold rolled steel with a painted finish. Guards are made of steel wire and comply with OSHA guarding requirements. The **ON/OFF** switch is conveniently mounted on side of barrel.

GENERAL SAFETY INFORMATION:

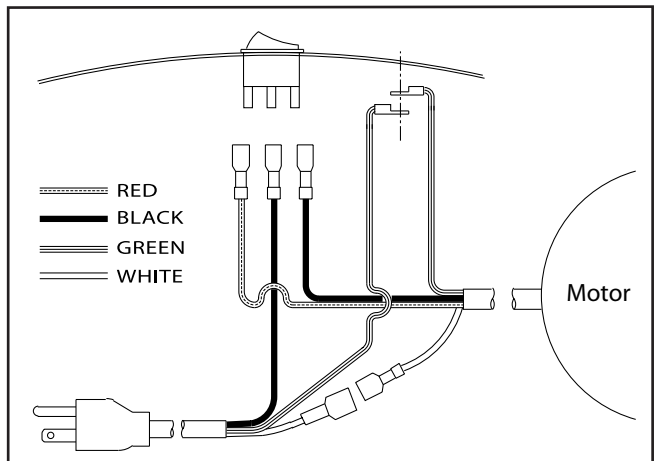
1. Your Portable Cooler will operate only on 110 Volt AC, 60 HZ (cycle) current with a minimum of a 15 Amp circuit.
2. **WARNING:** To reduce the risk of electric shock, **DO NOT** expose to water or rain. To guard against electric shock while the fan is connected to power source, **DO NOT PERMIT** fan to become in contact with other grounded objects such as pipes, radiators, ranges, etc.
3. **DO NOT ABUSE POWER CORD. DO NOT** pull on cord to remove from electrical receptacle. Keep cord away from heat, oil and sharp edges. Inspect cord periodically, replacing if damaged.
4. Disconnect the fan when not in use, before servicing and cleaning, and when repairing or replacing parts.
5. **DO NOT** carry or move the fan when connected to power source. Be sure switch is "**OFF**" prior to connecting to power source.
6. When the Portable Cooler is used outdoors with extension cord, use cord of proper size (Amp rating) only, UL listed and with receptacle to accept 3-prong grounded plug furnished on the fans power cord. Only round jacketed extension cords

should be used.

7. Before operating this fan, check for worn or damaged parts and replace or repair if required. To avoid risk of fire, electrical shock or other injury, disconnect from power source before servicing.
8. **DO NOT** operate the Portable Cooler near flammable liquids or in gaseous or explosive atmospheres as sparks from motor may ignite fumes.
9. If the wire guards are removed, replace before normal operation.
10. In case of power failure, turn off the fan at switch. This will prevent motor burn out and/or unexpected restarting.

**WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK DO NOT USE THIS FAN WITH ANY SOLID STATE FAN SPEED CONTROL DEVICE.**

OPERATION: Your Portable Cooler is turned **ON** or **OFF** with a rocker switch located toward the top of the barrel. To operate the two speed fan push one side of the rocker switch down for low speed and the opposite side down for high speed. Place the rocker switch in the center position to turn the fan **OFF**.

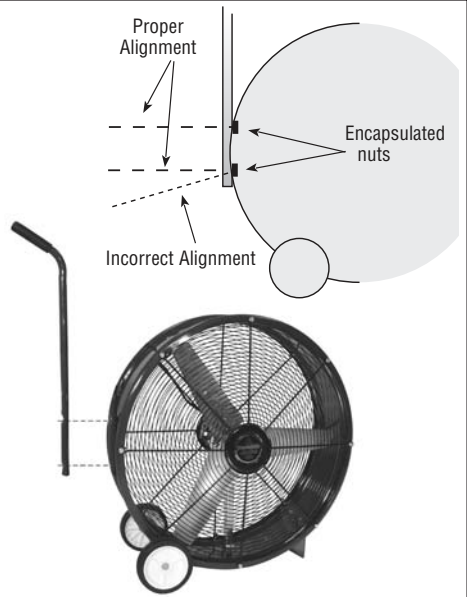


HANDLE ASSEMBLY

IMPORTANT! Handle for model PC 3021 is packed in the corner of the shipping carton. Remove before discarding box.

Your "PC" is equipped with TWO (2) encapsulated nuts, factory installed, inside the barrel of the fan. To attach the handle to the barrel remove the TWO hex head machine bolts from the package, insert them through the holes provided in the handle, and screw them into the encapsulated nuts. **CAUTION:** Do not over tighten. This will cause the handle to collapse and the bolts to become loose.

PRIOR to assembling handle to barrel, insert handle bolts into encapsulated nuts in barrel. With bolts inserted make certain they are 90° to the holes in the handle. If required, bend bolts UP or DOWN to align properly.



SERVICE and DISSASSEMBLY

WARNING!

Disconnect power before servicing

1. Motors are lubricated at the factory to operate for long periods under normal conditions without any re-lubrication.
2. Clean motor, guard and blade periodically, preferably with a vacuum cleaner. Heavy accumulations of dust and lint will result in overheating and premature motor failure.

DISSASSEMBLY PROCEDURE

1. Remove the screws that attach the wire guard to the fan barrel on the motor side only.
2. Once the screws are removed, the guard, complete with motor and fan blade, may be removed from barrel. **CAUTION: DO NOT PULL ON WIRE WHICH CONNECTS MOTOR TO SWITCH.**

WHEN ORDERING REPAIR PARTS

always give the following information:

1. Part description
2. Model Number of fan
3. Serial number

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Fan does not operate	<ol style="list-style-type: none"> 1. Faulty switch 2. Defective motor 3. No power 	<ol style="list-style-type: none"> 1. Replace switch 2. Repair or replace motor 3. Check to see if power cord is plugged in. Check fuse or circuit breaker
Insufficient air flow	<ol style="list-style-type: none"> 1. Intake guard or exhaust guard excessively dirty 2. Contaminants have entered the motor 	<ol style="list-style-type: none"> 1. Clean guards 2. Remove and clean or replace motor
Squealing, slapping or whining noises while operating	<ol style="list-style-type: none"> 1. Defective motor bearings 2. Damaged blade 	<ol style="list-style-type: none"> 1. Replace motor 2. Replace fan blade

LIMITED ONE YEAR WARRANTY

Triangle Engineering of Arkansas, Inc. (Manufacturer) warrants, from the date of purchase, to the original purchaser only, that the product manufactured by Manufacturer is free from defects in material and workmanship for a period of **ONE (1) YEAR**. Motors, capacitors, v-belts and switches are excluded from this warranty, but shall have a limited one year warranty from date of purchase to the original purchaser.

If a failure of the product occurs, contact the Manufacturer at:

1-800-255-9014

and give the model number of the product, the purchase date, and a description of the problem to the customer service agent.

Once the problem is diagnosed, and proof of purchase date is verified, Manufacturer will have the option of shipping the necessary repair part(s) to the Customer, freight prepaid or having the product returned to Manufacturer for repair or replacement. If the product is returned to the Manufacturer, Customer is responsible for prepayment of all inbound freight charges. Upon repair or replacement, which shall be at the discretion of Manufacturer, the Manufacturer will prepay all outbound freight charges for the return of the product to the customer. However, if Manufacturer finds product to be in operating condition and no problems are diagnosed, product will be returned to customer freight collect.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

Except as provided by this express warranty, the goods are sold "as is" without any implied warranties.

This limited warranty does not cover labor to replace warranted parts or motors, nor does it cover damage resulting from accident, misuse or abuse, lack of proper maintenance, improper installation, affixing of any parts or attachments not authorized by Manufacturer, or loss of parts.

In no event shall Manufacturer be liable for any special, incidental, or consequential damages; which may result from any defect in material or workmanship.

It is expressly understood that Buyer's sole and exclusive remedy shall be repair or replacement of defective parts, and that Triangle Engineering shall not be liable for injury to persons or property. Should the goods prove so defective, however, as to preclude the remedying of warranted defects by repair or replacement, the Buyer's sole and exclusive remedy shall then be a refund of the purchase price.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

MOTOR REPLACEMENT DURING WARRANTY PERIOD

If the motor on your PORTABLE COOLER should fail during the first year of operation, simply remove the LABEL ONLY from the motor and mail the original label and copy of purchase receipt to Triangle Engineering. Once the label is received, and if the motor is still under warranty, we will ship a new motor within 24 hours, UPS PREPAID. DO NOT RETURN MOTOR.