



Triangle's New Tough Built, Heavy Duty

# Contractor's Fan

**CF 2421 Direct Drive**

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



**OWNER'S RECORD** Please complete for future reference.

Model # \_\_\_\_\_ Serial # \_\_\_\_\_

Purchased from \_\_\_\_\_

Date Purchased \_\_\_\_\_



## TRIANGLE ENGINEERING OF ARKANSAS, INC.

E-mail: [mail@trianglefans.com](mailto:mail@trianglefans.com) • Website: [www.trianglefans.com](http://www.trianglefans.com)  
1101 North Redmond Road • Jacksonville, Arkansas 72076  
(501) 982-7558 • Fax (501) 982-5691 • 1-800-255-9014

**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.**

**DESCRIPTION:** The Contractor Fan is a direct drive fan designed for the general contractor. Its lightweight and ease of operation make it ideal for jobsites requiring spot cooling or anywhere air movement is required. The units' all-metal construction and tough powder coat finish provide jobsite durability. Guards are made of steel wire and comply with OSHA guarding requirements. The **ON/OFF** switch is conveniently mounted and guarded on side of barrel.

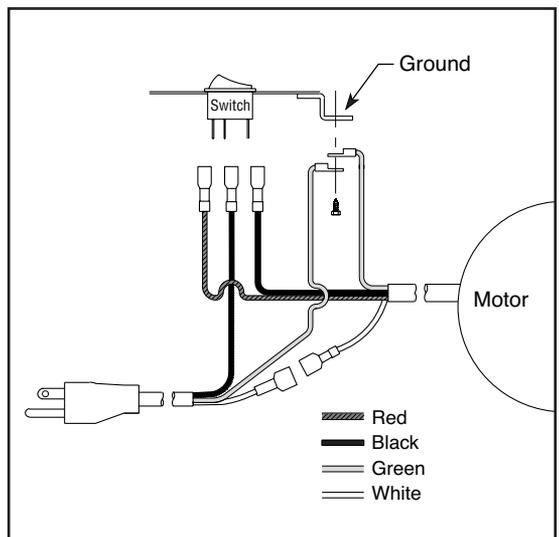
**GENERAL SAFETY INFORMATION:**

1. Your Contractor Fan 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.
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 Contractor Fan 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 fan's 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 Contractor Fan 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 Contractor Fan 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**.



# TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Fan does not operate	<ol style="list-style-type: none"><li>1. Faulty switch</li><li>2. Defective motor</li><li>3. No power</li></ol>	<ol style="list-style-type: none"><li>1. Replace switch</li><li>2. Repair or replace motor</li><li>3. Inspect power cord for damage Power cord has been removed from plug Fuse has blown or circuit breaker is tripped.</li></ol>
Insufficient air flow	<ol style="list-style-type: none"><li>1. Intake or exhaust guard is excessively dirty</li><li>2. Contaminants have entered the motor</li></ol>	<ol style="list-style-type: none"><li>1. Clean Guards</li><li>2. Remove and clean or replace motor (SEE NOTE BELOW)</li></ol>
Squealing, slapping or whining noises while operating	<ol style="list-style-type: none"><li>1. Defective motor bearings</li><li>2. Damaged blade</li></ol>	<ol style="list-style-type: none"><li>1. Replace motor</li><li>2. Replace fan blade</li></ol>

Turning fan on and off in rapid succession will cause motor to over heat. If this occurs allow motor to cool twenty minutes before resuming operation.

**NOTE:** If fan will be operating in dusty, moist or other contaminated areas, it is recommended that the PORTABLE COOLERS equipped with TOTALLY ENCLOSED motors be used.

## MOTOR REPLACEMENT DURING WARRANTY PERIOD.

If the motor on your Contractor Fan should fail during the first year of operation, simply remove the LABEL ONLY from the motor and mail to Triangle Engineering. Once the label is received, and if the motor is still under warranty, we will ship a new motor, UPS PREPAID. **DO NOT RETURN MOTOR. ALSO NOTE WARRANTY ON LAST PAGE OF THESE INSTRUCTIONS.**

# LIMITED THREE YEAR WARRANTY

Do not return product to original place of purchase

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 **THREE (3) YEARS**. 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 failure of the installer to provide adequate ventilation to meet minimum exhaust requirements, 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.