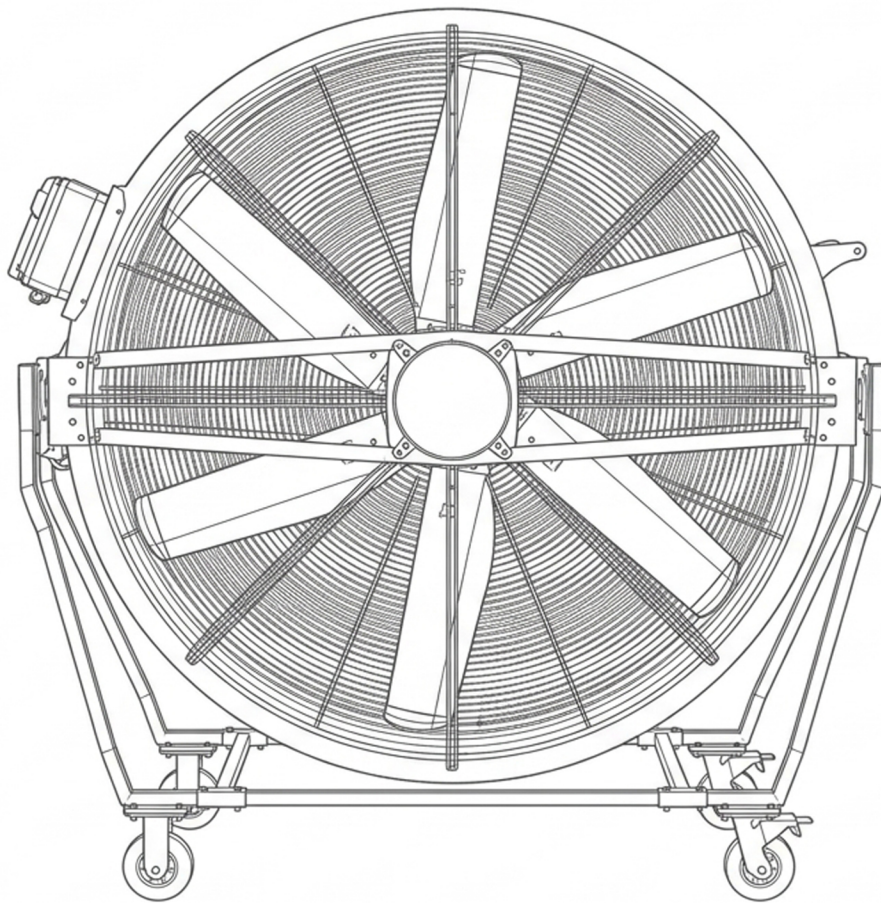




# User Manual ROVE

Model: ROVE-150T



**PLEASE READ AND SAVE THESE INSTRUCTIONS**

*Attention: Pictures in this manual are for reference only.*

# PLEASE OPERATE THE FAN IN STRICT ACCORDANCE WITH THIS MANUAL

As with all electrical appliances, basic safety precautions should always be followed to reduce the risk of electric shock, fire, or injury to persons, including the following precautions.

## BEFORE YOU START

- Read all the instructions before using this fan.
- Use this fan only as described in this manual. Any other use not recommended by the manufacturer may cause electrical shock, fire or injury to persons.
- Place the fan on a firm, stable surface. Engage both locking casters. Confirm the fan head is securely locked at the desired tilt angle and the air inlet/outlet are unobstructed.
- Use of extreme caution is necessary when any fan is used by or near children, disabled persons or pets and whenever the fan is left operating unattended.

## STOP IMMEDIATELY IF

- Excessive vibration or unusual noise occurs.
- The fan, guard, blades, frame or power cord is damaged.
- The fan becomes unstable or begins to move.
- Smoke, burning odour or other abnormal operation is detected.
- A foreign object enters the fan.
- The fan cannot be securely locked in its selected tilt position.

## IMPORTANT SAFETY INFORMATION

The Rove is a large mobile fan. Safe operation depends on proper positioning, stable footing, controlled movement, secure tilt adjustment and safe electrical practices. Never move or tilt the fan while the blades are rotating. Disconnect power before moving, adjusting, cleaning or servicing.

### WARNING – MOVING BLADES

Keep hands, hair, clothing, tools and other objects away from the fan blades and guards while operating. Never reach through the guards.

### WARNING – DISCONNECT POWER

Turn the fan OFF, disconnect the power supply and wait for the blades to stop completely before moving, tilting, cleaning, inspecting or servicing.

### WARNING – ELECTRIC SHOCK

Non-professionals must not repair, inspect or replace electrical parts. Electrical service must be performed by qualified personnel.

### WARNING – STABILITY

Operate only on a firm, stable surface. Engage both locking casters before operation. Do not operate where the fan could roll, tip, fall or be struck by moving equipment.

### WARNING – TILT / PINCH HAZARD

Keep hands and fingers clear of pivot points, the tilt mechanism and locking components. Never adjust the fan angle while running.

### WARNING – OPERATING ENVIRONMENT

Do not operate in freezing, corrosive or explosive environments, or where there are high concentrations of dust or gas.

### WARNING – DAMAGED EQUIPMENT

Do not operate with damaged or missing guards, blades, frame, wheels/casters, motor, controls, cord or plug.

# POSITIONING & MOVING THE FAN

## BEFORE MOVING FAN

1. Turn the fan OFF using the VFD control panel.
2. Wait until the blades have stopped completely.
3. Disconnect the power plug.
4. Secure the power cord so it cannot catch on objects or create a tripping hazard.
5. Release the locking casters.

## MOVE THE FAN

1. Use the designated frame/handle areas to move the fan. Do not pull it by the power cord.
2. Move slowly and maintain control at all times.
3. Use additional care over thresholds, ramps or uneven surfaces.
4. Position the fan on a firm, stable surface.
5. Engage both locking casters before reconnecting power and operating.
6. **Attention: Do not touch the plug post for 15 seconds after removing the power plug. The inverter power needs to discharge for 15 seconds.**

## WARNING – DO NOT MOVE WHILE RUNNING

Never move, roll or reposition the fan while the blades are rotating. Always stop the fan and disconnect power first.

## WARNING – TIPPING HAZARD

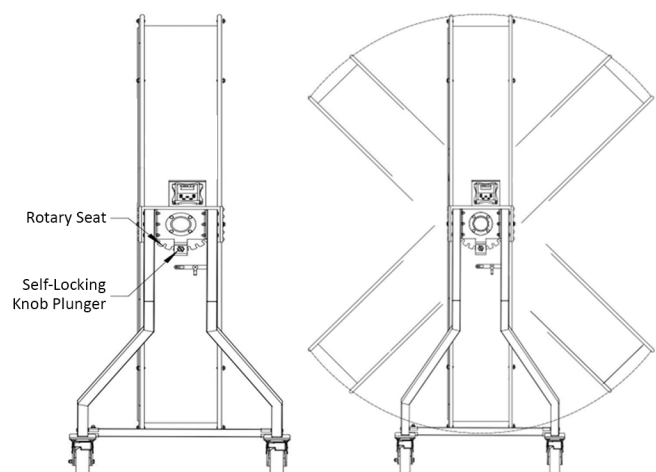
The fan weighs approximately 205 lb / 93 kg. Move it slowly and under control. Do not operate on unstable or slippery surfaces.

## Operating Position

- Allow the air inlet to be as open as possible. Restricted inlet airflow can reduce performance.
- Keep the intake and discharge areas clear of people, loose materials, tools, packaging, plastic sheeting and debris.
- Do not position the fan where it may be struck by vehicles, carts, forklifts or other moving equipment.
- Do not place the fan near stairs, ledges or drop-offs where it could fall.

## ADJUSTING THE FAN TILT

1. Turn the fan OFF.
2. Wait until the blades have stopped completely.
3. Disconnect the fan from the electrical supply before adjustment.
4. Keep hands and fingers clear of pivot points and the tilt mechanism.
5. Release or operate the tilt locking mechanism as designed on the fan.
6. Move the fan head to the desired position, up to 45° up or down.
7. Secure the tilt mechanism fully before operating.
8. Confirm the fan is stable and the selected angle is secure, then reconnect power.



## PINCH HAZARD

Keep hands and fingers clear of the tilt mechanism, pivot points and locking components while changing the fan angle.

## SECURE BEFORE OPERATION

Never operate the fan with the tilt mechanism partially engaged, unsecured or damaged.

# VFD CONTROL PANEL

## Operation of Control Panel



| CONTROL FUNCTIONS |                             |
|-------------------|-----------------------------|
| CONTROL           | FUNCTION                    |
| RUN               | Start                       |
| STOP/RESET        | Stop/Reset                  |
| ▲                 | Accelerate / Increase Speed |
| ▼                 | Decelerate / Decrease Speed |

## Starting

1. Complete the pre-operation inspection.
2. Position the fan and engage both locking casters.
3. Confirm the tilt position is secure.
4. Connect the power plug to the correct electrical supply.
5. Press RUN.
6. Adjust speed with ▲ or ▼.

## Stopping

1. Press STOP / RESET.
2. Wait until the blades have stopped completely before approaching, moving or adjusting the fan.
3. Disconnect power before moving, tilting, cleaning or servicing.

## VFD CONTROL DISCHARGE

**After removing the power plug, do not touch the plug post for at least 15 seconds. The supplied operating instructions state that the inverter requires 15 seconds to discharge.**

# CLEANING, INSPECTION & MAINTENANCE

## Before Cleaning or Inspection

1. Turn the fan OFF.
2. Wait for the blades to stop completely.
3. Disconnect the power plug.
4. Wait at least 15 seconds after removing the plug before touching the plug post or working around the VFD control connection.

## Routine Inspection

- Inspect the guard for damage, looseness or missing components.
- Inspect blades for cracks, deformation, damage or looseness.
- Inspect the frame and caster assemblies.
- Check that both locking casters operate properly.
- Inspect the tilt mechanism and locking components.
- Inspect the power cord and plug.
- Keep the fan and surrounding area free of excessive dust and debris.

## ELECTRICAL SERVICE

Electrical servicing and repairing must be performed by qualified personnel.

## CLEANING

Do not direct high-pressure water or cleaning fluids into the motor, VFD control enclosure or other electrical components. The IP55 rating does not replace proper cleaning and electrical safety practices.

## Storage & Transport

- Stop the fan and disconnect power before transport.
- Wait for complete blade stop.
- Secure the power cord.
- Move the fan slowly and under control.
- For vehicle transport, secure the fan against rolling, tipping or shifting.
- Store in a suitable protected area when not in use.

## TROUBLESHOOTING

| PROBLEM                     | CHECK                             | ACTION                                                                                                                                  |
|-----------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Fan Does Not Start          | Power, Plug, VFD Control Status   | Confirm power is connected and press RUN. If the issue remains, disconnect power and contact qualified service personnel.               |
| Insufficient Airflow        | Inlet/Outlet Obstruction, Speed   | Disconnect power and clear obstructions and check the VFD control speed setting.                                                        |
| Excess Vibrations/Noise     | Blade, Guards, Frame or Componets | Stop, disconnect power and inspect. Do not operate until the cause is corrected.                                                        |
| Fans Moves During Operation | Caster Locks, Floor               | Stop, disconnect power, reposition on a firm stable surface and engage both locking casters.                                            |
| VFD Control Fault           | VFD Control Fault Condition       | Follow the VFD control service procedure or contact qualified service personnel. Do not open the electrical enclosure unless qualified. |

## DO NOT BYPASS SAFETY DEVICES

Do not bypass, remove or modify guards, caster locks, tilt locking components, electrical protection or other safety components.

## QUICK START CHECKLIST

- ☐ Inspect fan, guard, blades, frame, wheels and power cord.
- ☐ Place fan on a firm, stable surface.
- ☐ Engage both locking casters.
- ☐ Confirm air inlet and outlet are unobstructed.
- ☐ Set and securely lock the desired tilt angle.
- ☐ Confirm electrical supply matches the fan nameplate.
- ☐ Connect power.
- ☐ Press RUN.
- ☐ Adjust speed with ▲ / ▼.
- ☐ Monitor for abnormal vibration, noise or other conditions.
- ☐ To stop, press STOP / RESET and wait for complete blade stop.
- ☐ Disconnect power before moving, tilting, cleaning or servicing.
- ☐ After unplugging, wait at least 15 seconds before touching the plug post / VFD control connection.

## KEY SAFETY REMINDERS

**NEVER** move the fan while it is running.

**NEVER** adjust the tilt while the blades are rotating.

**NEVER** reach through the guard.

**NEVER** operate with damaged or missing safety components.

**NEVER** attempt unauthorized electrical repairs.

**ALWAYS** engage both locking casters before operation.

**ALWAYS** disconnect power before cleaning, adjustment or service.

### BANVIL LIMITED WARRANTY

Banvil warrants to the original purchaser that this product is free from defects in materials and workmanship for a period of 12 months from the date of purchase from Banvil, or 24 months from the date of manufacture, whichever occurs first.

In the event of such a defect, Banvil will, at its discretion, repair or replace the product. To qualify for warranty service, please contact **returns@banvil2000.com** with the reason for return, supporting pictures, and proof of purchase. If the issue is deemed warranty-related, the product must be returned prepaid to:

**Banvil**

470 Industrial Ave.  
Woodstock, ON N4S 7L1

This warranty does not cover labor costs or shipping of the product back to Banvil. The warranty is void if the product has been improperly installed, abused, or altered in any way.

Banvil limits the duration of any implied warranties and excludes any liability for incidental or consequential damages arising from the breach of any warranty on this product.

