

Tornado 20 Inch

Tornado 20-Inch IPX4 Water-Resistant High Velocity Wall Mount Fan User Manual

Model: 20 Inch

1. IMPORTANT SAFETY INFORMATION

Please read and understand all instructions before using this fan. Failure to follow these instructions may result in electric shock, fire, or serious personal injury.

- Always disconnect the fan from the power source before cleaning or performing any maintenance.
- Do not use the fan with a damaged cord or plug. If the cord or plug is damaged, contact qualified service personnel.
- Do not run the power cord under carpeting or cover it with throw rugs, runners, or similar coverings. Arrange the cord away from traffic areas to prevent tripping hazards.
- This fan is rated IPX4, meaning it is resistant to water splashing from any direction. However, it is not submersible. Do not immerse the fan in water.
- Ensure the fan is placed on a stable, level surface or securely mounted to a wall or ceiling before operation.
- Keep children and pets away from the fan during operation.
- Do not insert fingers or any objects into the grille while the fan is operating.
- This fan is designed for commercial, industrial, residential, and greenhouse use.

2. PRODUCT FEATURES

- **IPX4 Water-Resistant:** Resistant to water splashing against the enclosure from any direction.
- **Durable Construction:** Made from aluminum and powder-coated steel, featuring a rust-resistant grille.
- **High Velocity Airflow:** Provides powerful air circulation with up to 4750 CFM.
- **3 Speed Settings:** Adjustable airflow for various needs.
- **Adjustable Tilting Angle:** Full 180-degree vertical tilting for precise air direction.
- **TEAO Ball Bearing Motor:** Premium Totally Enclosed Air Over motor protects against debris and dust.
- **UL Safety Listed:** Meets UL507 standards for safety.

3. SETUP AND INSTALLATION

The Tornado 20-inch fan is designed for easy assembly and can be mounted on a wall or ceiling.

1. **Unpack the Fan:** Carefully remove all components from the packaging. Ensure all parts are present and undamaged.
2. **Choose Mounting Location:** Select a suitable location on a concrete wall, metal rack, or ceiling that can support the fan's

weight and provide adequate clearance for airflow.

3. **Mounting (Wall/Ceiling):** For secure mounting, an expansion bolt (M10x80) is required (sold separately). Follow standard safety procedures for drilling and securing the fan to the chosen surface. Ensure the mounting is stable and can withstand fan vibrations.
4. **Positioning:** Once mounted, adjust the fan to the desired angle using the 180-degree vertical tilting feature.
5. **Power Connection:** Plug the 6.6 FT SJTW power cord into a compatible 120V, 60Hz power outlet.



Image: The fan features a 360-degree adjustable tilting mechanism and comes with a 6.6-foot power cord for flexible positioning.

4. OPERATING INSTRUCTIONS

To operate your Tornado 20-inch high velocity fan, follow these steps:

1. **Power On:** Ensure the fan is securely plugged into a grounded 120V, 60Hz electrical outlet.
2. **Select Speed:** Use the control knob located on the fan motor housing to select one of the three available speed settings:
 - **High:** 4750 CFM
 - **Medium:** 4200 CFM
 - **Low:** 3800 CFM

3. **Adjust Airflow Direction:** Loosen the adjustment knobs on the side of the fan frame to tilt the fan head up or down, directing airflow as needed. Tighten the knobs once the desired angle is achieved. The fan offers a full 180-degree vertical tilting angle.
4. **Power Off:** Turn the control knob to the 'OFF' position when finished using the fan. For extended periods of non-use, unplug the fan from the power outlet.

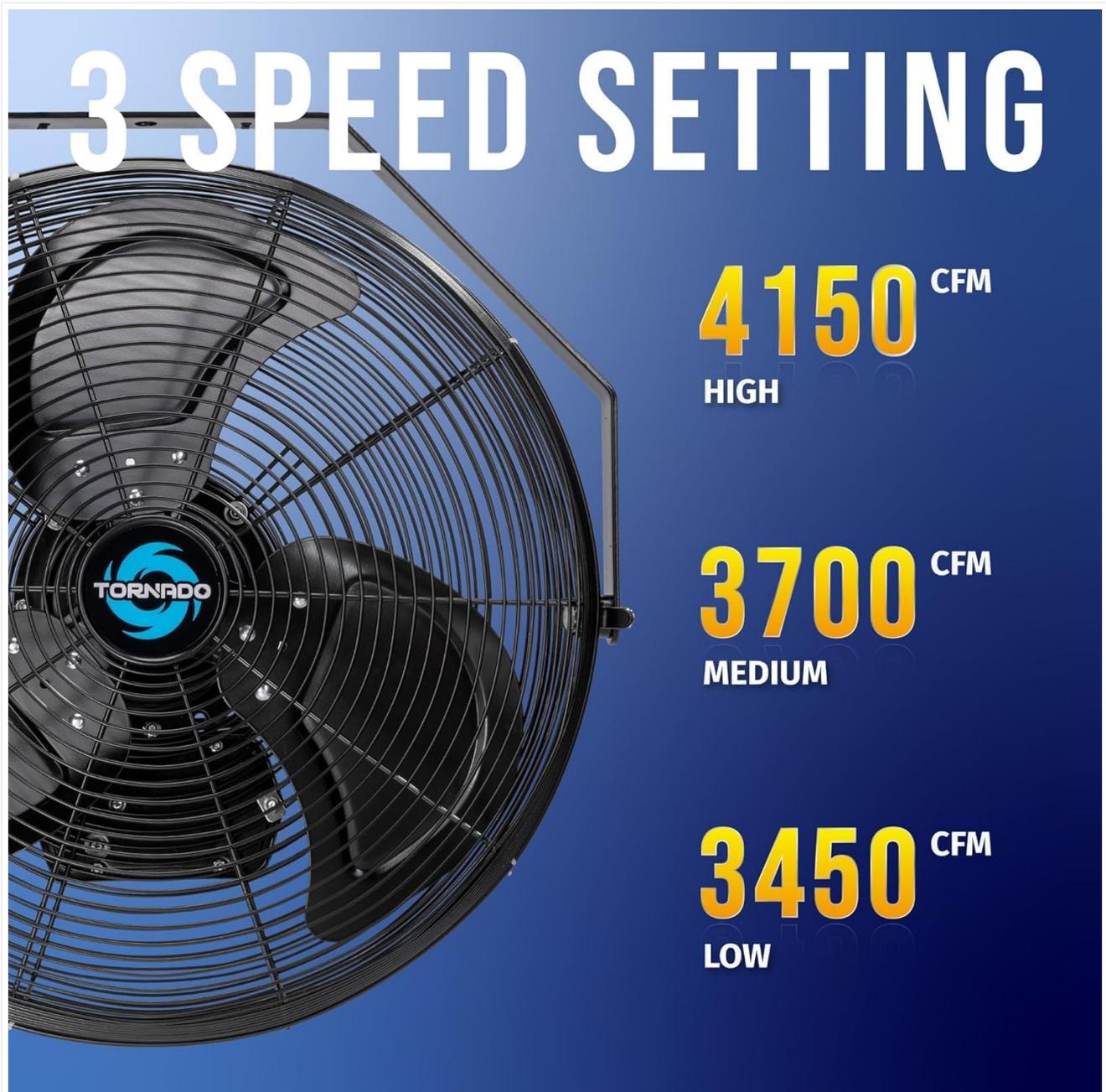


Image: The fan offers three distinct speed settings to control airflow intensity.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan.

- **Cleaning:** Always unplug the fan before cleaning. Use a soft, damp cloth to wipe down the exterior surfaces. For the grille and blades, use a vacuum cleaner with a brush attachment or a soft brush to remove dust and debris. The manufacturer recommends hand washing for care.
- **Motor:** The fan features a Totally Enclosed Air Over (TEAO) ball bearing motor, which is designed to protect against workshop debris and dust, requiring minimal internal maintenance.
- **Storage:** When not in use for extended periods, store the fan in a clean, dry place, protected from dust and moisture.

WATER RESISTANT



**IPX4 CERTIFIED FOR
WATER RESISTANCE**



**TOTALLY
ENCLOSED MOTOR**



**UL LISTED
FOR SAFETY**

IPX4 - Resistant to water splashing against the enclosure from any direction has no harmful effect

Image: The fan is IPX4 certified, making it resistant to water splashes, suitable for outdoor and damp environments.

6. TROUBLESHOOTING

If you experience issues with your fan, please refer to the following common troubleshooting steps:

- **Fan Does Not Turn On:**
 - Ensure the power cord is securely plugged into a working electrical outlet.
 - Check the circuit breaker or fuse box to ensure power is supplied to the outlet.
 - Verify the speed control knob is not in the 'OFF' position.
- **Reduced Airflow:**
 - Check for any obstructions around the fan grille or blades.
 - Clean any accumulated dust or debris from the blades and grille.
 - Ensure the fan is set to a higher speed setting if more airflow is desired.
- **Unusual Noise or Vibration:**
 - Ensure the fan is securely mounted and all screws are tightened.
 - Check for any loose parts or foreign objects inside the fan grille.

- If the noise persists, discontinue use and contact customer support.

For issues not covered here, please contact Tornado customer support.

7. SPECIFICATIONS

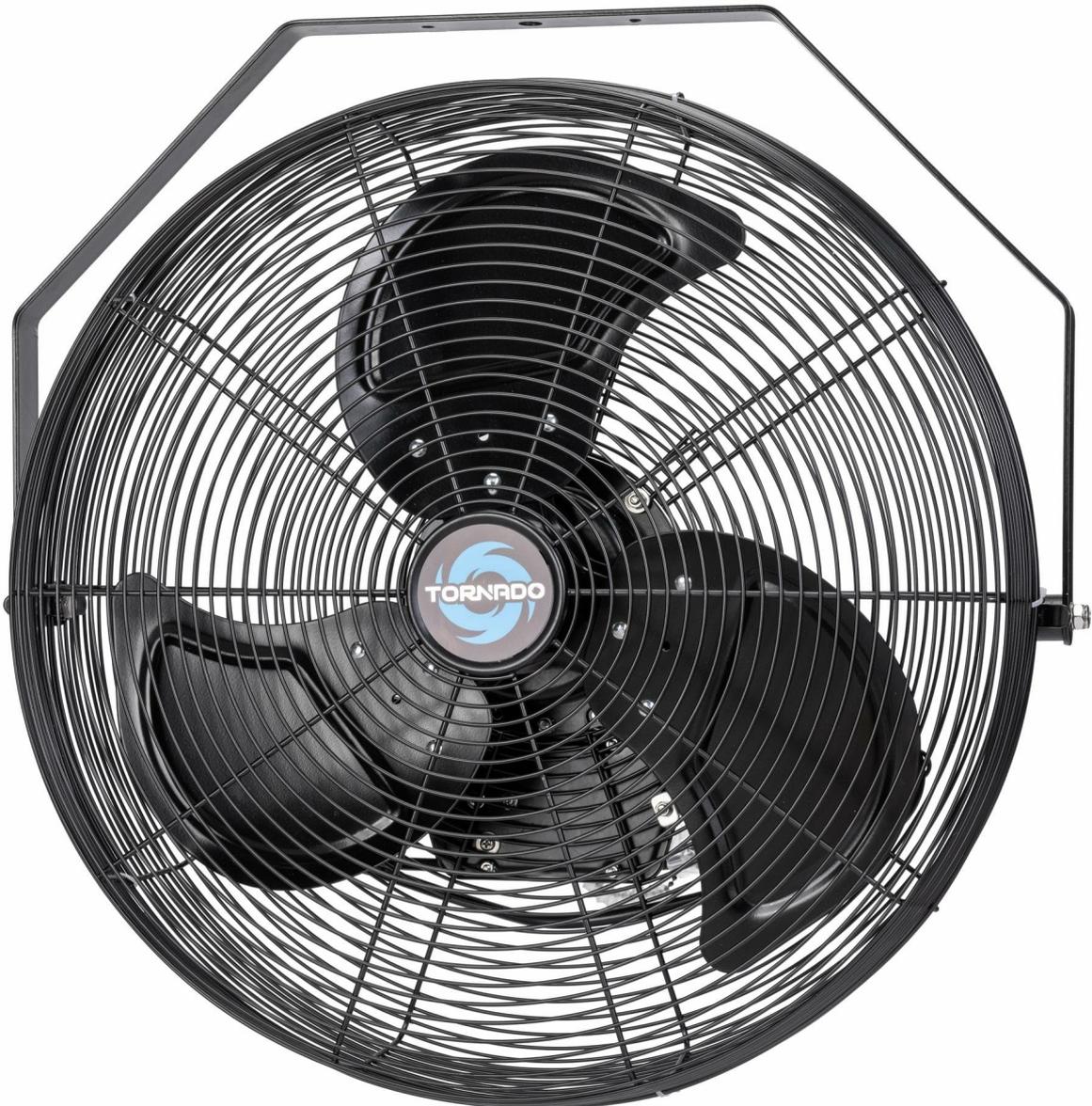


Image: Detailed dimensions of the Tornado 20-inch fan for installation planning.

Feature	Specification
Model	20 Inch High Velocity Wall Mount Fan
Brand	Tornado
Item Weight	8.2 kg
Product Dimensions	59D x 16.9W x 61.7H Centimetres (approx. 23.2D x 6.65W x 24.3H inches)
Form Factor	Wall Mount
Finish Types	Powder Coated

Feature	Specification
Power Source	AC (120V, 60Hz)
Amperage	1.3 AMPS
Wattage	160 Watts
Horsepower	1/6 HP
RPM	1500 RPM
Airflow (CFM)	4750 (High), 4200 (Medium), 3800 (Low)
Speed Settings	3
Cord Length	6.6 FT SJTW
Special Feature	Adjustable Tilt, Water Resistant (IPX4)
Safety Certification	UL Safety Listed (Meets UL507 standards)
Noise Level	66 Decibels maximum
Included Components	Cord
Assembly Required	Yes

8. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase accessories like the Tornado Misting Kit, please contact the manufacturer directly.

- **Manufacturer:** Tornado
- **Customer Service:** Refer to the contact information provided with your product packaging or visit the official Tornado website for support.
- **Returns:** Standard return policies apply. Please refer to your retailer's return policy for details.