

## 3M 88760, 64256

# 3M Xtract Electric Random Orbital Sander 88760 and Portable Dust Extractor 64256 User Manual

Model: 88760 (Sander), 64256 (Dust Extractor)

## 1. PRODUCT OVERVIEW

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This manual provides instructions for the 3M Xtract Electric Random Orbital Sander (Model 88760) and the 3M Xtract Portable Dust Extractor (Model 64256). This system is designed for industrial and occupational use, offering efficient sanding and superior dust extraction for a cleaner work environment.

The Electric Random Orbital Sander features a powerful, precision-balanced motor within a durable, lightweight composite housing. It is engineered for effective dust extraction when paired with the 3M Xtract Portable Dust Extractor or an existing central vacuum system. The dust extractor includes high-collection HEPA filters and offers automatic on/off compatibility with both pneumatic and electric sanders.

### Key Features:

- High-quality electric random orbital sander built for industrial use.
- Powerful and precision-balanced motor for smooth operation.
- Ergonomic low-profile design (3 lb) with 3M Gripping Material for enhanced control and vibration reduction.
- Powerful industrial vacuum for effective dust removal from the work surface.
- Automatic on/off compatibility with pneumatic and electric sanders.
- Sturdy, compact design for harsh industrial conditions.
- Automatic "Stand-By" mode if unused for 5 minutes.

## 2. SAFETY INFORMATION

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**WARNING:** 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use only. These products are **not intended for consumer sale or use** (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature).

Users must select and use these products in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. For assistance with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert.

- Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and respiratory protection.
- Ensure the work area is well-ventilated.
- Disconnect power before performing any maintenance or changing accessories.
- Keep hands and loose clothing away from moving parts.
- Do not operate damaged equipment.

### 3. COMPONENTS INCLUDED

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The 3M Xtract Electric Random Orbital Sander and Portable Dust Extractor system includes the following components:

- 3M Xtract Electric Random Orbital Sander (Model 88760)
- 3M Xtract Portable Dust Extractor (9 Gallon / 35 Liter, Model 64256)
- Poly filter bag (3M 95981)
- Conductive hose (3M 95291)
- Push handle (3M 96804)
- 2 x HEPA filter cartridges class H (3M 95259)

### 4. SETUP AND ASSEMBLY

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Follow these steps to set up your 3M Xtract sanding system:

1. **Assemble Dust Extractor:** Attach the push handle (3M 96804) to the 3M Xtract Portable Dust Extractor (64256) according to the instructions provided with the extractor. Ensure the HEPA filter cartridges (3M 95259) and poly filter bag (3M 95981) are correctly installed inside the dust extractor.
2. **Connect Hose:** Securely attach the conductive hose (3M 95291) to the dust extractor's inlet port. The rear threaded attachment on the sander allows for easy and secure connection of the 1" external threaded vacuum hose (sold separately, or use the included conductive hose if compatible).
3. **Connect Sander:** Connect the other end of the conductive hose to the 3M Xtract Electric Random Orbital Sander (88760). Ensure a tight seal for optimal dust extraction.
4. **Power Connection:** Plug the power cord of the dust extractor into a suitable 110V power outlet. Plug the power cord of the electric sander into the designated power outlet on the dust extractor for automatic on/off functionality.



*Image: The 3M Xtract Electric Random Orbital Sander connected to the Portable Dust Extractor, ready for operation.*

## 5. OPERATION

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Once the system is assembled and connected to power, you can begin operation.

1. **Power On:** Turn on the main power switch on the 3M Xtract Portable Dust Extractor.
2. **Attach Abrasive Disc:** Securely attach a compatible 3M Xtract Net Disc to the sanding pad of the Electric Random Orbital Sander.
3. **Start Sanding:** Activate the sander. The dust extractor will automatically turn on when the sander is activated (if connected to the extractor's power outlet).
4. **Sanding Technique:** Apply light, even pressure and move the sander in overlapping passes across the workpiece. Allow the sander to do the work.
5. **Dust Extraction:** The system is designed to extract up to 97% of dust when used with 3M Xtract Net Discs and proper dust extraction. Monitor the dust collection in the extractor.
6. **Automatic Stand-By:** If the dust extractor is left unused for 5 minutes, it will automatically switch to "Stand-By" mode to conserve energy.
7. **Power Off:** When finished, turn off the sander, then turn off the dust extractor's main power switch.

### Featured Applications:

- Metal fabrication
- Primer sanding
- Gelcoat sanding
- Composite sanding
- Woodworking

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your equipment. Always disconnect power before performing any maintenance.

## Dust Extractor Maintenance:

- **Empty Filter Bag:** Regularly check and empty the poly filter bag (3M 95981) when it is full to maintain suction power. Replace as needed.
- **Clean/Replace HEPA Filters:** Periodically inspect the HEPA filter cartridges (3M 95259). Clean them according to manufacturer guidelines or replace them when they become clogged or damaged. Clogged filters reduce dust extraction efficiency.
- **Hose Inspection:** Check the conductive hose (3M 95291) for any blockages, kinks, or damage. Clear any obstructions to ensure proper airflow.

## Sander Maintenance:

- **Clean Exterior:** Wipe down the exterior of the sander with a clean, damp cloth to remove dust and debris.
- **Inspect Pad:** Check the sanding pad for wear or damage. Replace if necessary to ensure proper abrasive disc adhesion and sanding performance.
- **Ventilation Openings:** Ensure that the motor's ventilation openings are clear of dust and debris to prevent overheating.

## 7. TROUBLESHOOTING

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Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Sander does not start	No power supply; Faulty power cord/switch; Dust extractor not on (if connected for auto-start)	Check power connections; Inspect cord/switch for damage; Ensure dust extractor is powered on.
Poor dust extraction	Full filter bag; Clogged HEPA filters; Blocked hose; Improper hose connection; Damaged sanding pad	Empty/replace filter bag; Clean/replace HEPA filters; Clear hose obstructions; Ensure tight hose connections; Replace sanding pad if damaged.
Sander vibrates excessively	Damaged sanding pad; Unbalanced abrasive disc; Internal component issue	Replace sanding pad; Ensure abrasive disc is properly centered; If problem persists, contact support.
Dust extractor does not auto-start with sander	Sander not plugged into extractor's power outlet; Auto-start feature disabled (if applicable)	Ensure sander is plugged into the correct outlet on the extractor; Consult extractor manual for auto-start settings.

## 8. SPECIFICATIONS

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Technical specifications for the 3M Xtract Electric Random Orbital Sander and Portable Dust Extractor system:

- **Sander Model:** 88760
- **Dust Extractor Model:** 64256
- **Power Source:** Corded Electric, 110V
- **Sander Motor:** 350W
- **Sander Orbit:** 3/16 inch
- **Sander Pad Size:** 6 inch

- **Dust Extractor Capacity:** 9 Gallon / 35 Liter
- **Dust Extractor Filters:** 2 x HEPA filter cartridges class H
- **Sander Weight:** Approximately 3 lb
- **ASIN:** B0D4FGLGZK
- **Item Model Number (Sander):** b5005301009

## 9. WARRANTY AND SUPPORT

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Warranty information for 3M Xtract products is typically provided at the point of purchase or within separate documentation included with the product. Please refer to your purchase receipt or contact your distributor for specific warranty details. For additional product information, technical assistance, or support, please visit the official 3M website: [www.3M.com](http://www.3M.com). You may also consult your on-site safety professional, industrial hygienist, or other subject matter expert for guidance on product selection and use.

## 10. PRODUCT VIDEOS

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The following videos provide additional visual guidance and information regarding the 3M Xtract Electric Random Orbital Sander and Portable Dust Extractor.

### Video 1: Product Overview and Features

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*Description: This video provides a general overview of the 3M Xtract Electric Random Orbital Sander and Portable Dust Extractor system, highlighting its key features and benefits.*

### Video 2: Setup and Assembly Guide

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*Description: A visual guide demonstrating the proper setup and assembly of the sander and dust extractor, including hose and power connections.*

### Video 3: Operation and Dust Extraction Efficiency

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*Description: This video illustrates the sander and dust extractor in operation, showcasing the effective dust extraction capabilities of the system.*

### Video 4: Advanced Features and Benefits

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*Description: A detailed look into the advanced features and overall benefits of using the 3M Xtract sanding solution for various applications.*

### Video 5: Maintenance and Filter Replacement

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*Description: This video demonstrates routine maintenance procedures, including how to clean or replace the dust extractor filters and inspect the sander.*

### Video 6: Ergonomics and User Comfort

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*Description: A look at the ergonomic design of the sander, focusing on user comfort, control, and vibration reduction during extended*

use.

## **Video 7: Industrial Applications Showcase**

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*Description: This video demonstrates the 3M Xtract system being used in various industrial applications, such as metal fabrication and woodworking.*

## **Video 8: System Integration and Workflow**

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*Description: A comprehensive video showing how the sander and dust extractor integrate into a complete sanding workflow for improved productivity.*

## **Video 9: Quick Look at Features**

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*Description: A short, focused video highlighting key features and benefits of the 3M Xtract system.*

## **Video 10: In-Depth Product Demonstration**

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*Description: An extensive demonstration covering various aspects of the 3M Xtract Electric Random Orbital Sander and Portable Dust Extractor.*