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- › [Yellow Jacket](#) /
- › [Yellow Jacket YJII 5 CFM 120V Vacuum Pump Instruction Manual](#)

Yellow Jacket YJII 93266

Yellow Jacket YJII 5 CFM 120V Vacuum Pump Instruction Manual

Model: YJII 93266

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Yellow Jacket YJII 5 CFM 120V Vacuum Pump, model 93266. Please read these instructions thoroughly before using the product to ensure proper function and longevity.

2. PRODUCT OVERVIEW

The Yellow Jacket YJII Vacuum Pump is a compact, lightweight, and portable two-stage pump designed for servicing small systems, particularly in HVAC and refrigeration applications. It features a high-torque motor for reliable start-up and efficient operation, even in challenging conditions. The pump is capable of achieving a deep ultimate vacuum of 25 microns or better, ensuring thorough system evacuation. Its durable aluminum housing and integrated thermal protector contribute to stable and safe long-term performance.



Figure 1: Yellow Jacket YJII 5 CFM Vacuum Pump, model 93266. This image displays the Yellow Jacket YJII 5 CFM Vacuum Pump. It features a silver-colored body with blue accents on the motor housing and handle. The pump has a compact design, suitable for various applications.

The pump includes both 1/4 inch and 3/8 inch SAE flare inlet connections for versatile hose compatibility, along with a 3/4 inch garden hose exhaust fitting with a removable cap for convenient venting. It comes pre-supplied with vacuum pump oil.

3. SETUP

1. **Unpacking:** Carefully remove the vacuum pump and all accessories from the packaging. Inspect for any signs of damage.
2. **Oil Fill:** The pump comes with vacuum pump oil. Locate the oil fill port (typically marked) and ensure the oil level is between the MIN and MAX indicators on the sight glass. If necessary, add the supplied oil. Do not overfill.
3. **Placement:** Place the pump on a stable, level surface in a well-ventilated area. Ensure adequate clearance around the pump for air circulation.
4. **Power Connection:** Connect the power cord to a grounded 120V AC outlet. Ensure the power switch is in the 'OFF' position before plugging in.
5. **Hose Connections:** Depending on your application, connect the appropriate vacuum hoses to either the 1/4 inch or 3/8 inch SAE flare inlet connections. Ensure all connections are tight to prevent leaks.
6. **Exhaust Venting:** If venting is required, attach a hose to the 3/4 inch garden hose exhaust fitting.

4. OPERATING INSTRUCTIONS

1. **Pre-Operation Check:** Before starting, verify the oil level, ensure all connections are secure, and confirm the

system to be evacuated is properly isolated.

2. **Starting the Pump:** Flip the power switch to the 'ON' position. The pump should start smoothly.
3. **Evacuation Process:** Open the valves on your manifold gauge set to begin evacuating the system. Monitor the vacuum level using a vacuum gauge (not included). The pump is designed to pull down to 25 microns or better.
4. **Monitoring:** Observe the oil in the sight glass during operation. If the oil appears cloudy or discolored, it may indicate moisture contamination and should be changed.
5. **Shutting Down:** Once the desired vacuum level is achieved and held, close the manifold gauge valves to isolate the system. Then, turn off the vacuum pump.
6. **Disconnecting:** Carefully disconnect the hoses from the pump and the system. Replace any protective caps on the pump's inlet ports.

No official seller videos were found for this product that meet the embedding criteria.

5. MAINTENANCE

Regular maintenance is crucial for the performance and lifespan of your vacuum pump.

- **Oil Changes:** Change the vacuum pump oil frequently, especially after each use or if the oil appears contaminated (cloudy, milky, or dark). The oversized 3/8 inch oil drain allows for faster oil changes. Refer to the specifications for oil capacity.
- **Cleaning:** Keep the exterior of the pump clean and free of dust and debris. Ensure the motor's cooling fins are not obstructed.
- **Storage:** When not in use, store the pump in a clean, dry environment. Ensure all ports are capped to prevent contaminants from entering.
- **Inspection:** Periodically inspect hoses, fittings, and the power cord for wear or damage. Replace any damaged components immediately.

6. TROUBLESHOOTING

If you encounter issues with your vacuum pump, consider the following common troubleshooting steps:

- **Pump Not Starting:** Check the power connection and ensure the outlet is functional. Verify the power switch is in the 'ON' position.
- **Poor Vacuum Performance:** Ensure all connections (hoses, fittings) are tight and leak-free. Check the oil level and condition; contaminated or low oil can significantly impact performance. Replace oil if necessary.
- **Excessive Noise/Vibration:** This could indicate low or contaminated oil. Ensure the pump is on a stable, level surface. If the issue persists, professional inspection may be required.
- **Overheating:** Ensure the pump is in a well-ventilated area and cooling fins are clear of obstructions. The thermal protector will shut down the motor if it overheats. Allow it to cool before restarting.

7. SPECIFICATIONS

Feature	Specification
Model Number	YJII 93266

Feature	Specification
Motor	1/2 hp – 1725 rpm
Number of Stages	Two
Free Air Displacement	5 CFM (Cubic Feet Per Minute)
Ultimate Vacuum	25 Microns or better
Oil Capacity	18 oz (532 ml)
Voltage	120V
Hertz	60 Hz
Inlet Connections	1/4 inch and 3/8 inch SAE Flare
Exhaust Fitting	3/4 inch Garden Hose (with removable cap)
Material	Aluminum Housing
Product Dimensions	13"L x 5"W x 11"H
Item Weight	26.6 pounds (12.09 Kilograms)

8. WARRANTY INFORMATION

The Yellow Jacket YJII Vacuum Pump typically comes with a 1-year manufacturer's warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the documentation included with your product or contact Yellow Jacket customer support.

9. SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Yellow Jacket YJII Vacuum Pump, please contact Yellow Jacket customer support. Contact information can usually be found on the product packaging, the official Yellow Jacket website, or in the warranty documentation.