DEWALT DXCM801.COM

DEWALT 80 Gallon Vertical Air Compressor

Model: DXCM801.COM | Brand: DEWALT

Introduction and Overview

The DEWALT 80 Gallon Vertical Air Compressor is engineered for high performance and durability, suitable for both professional and enthusiast use. This oil-lubricated, single-stage compressor provides reliable air power for a wide range of pneumatic tools and applications.





Figure 1: Front view of the DEWALT 80 Gallon Vertical Air Compressor, showcasing its yellow tank and black pump assembly.

Key Features:

- **Powerful Performance:** Equipped with a 4.7 HP motor, delivering 16.1 CFM at 40 PSI and 14.1 CFM at 90 PSI for optimal efficiency.
- **Durable Construction:** Features an 80-gallon ASME tank and an oil-lubricated system for extended lifespan and reliability.
- **Quiet Operation:** Operates at a low noise level of 62 dB, contributing to a more comfortable working environment.
- **High Pressure Capacity:** Provides a maximum pressure of 155 PSI, suitable for various demanding applications.
- **Efficient Design:** Designed for efficient power usage with a 240V electrical requirement.

Setup and Installation

Proper setup is crucial for the safe and efficient operation of your air compressor. This unit requires a 240V power supply

and a dedicated 30-amp double pole breaker for proper installation. A power cord is not included and must be supplied by the user.

Installation Steps:

1. **Location Selection:** Choose a clean, dry, well-ventilated area with sufficient space around the compressor for air circulation and maintenance access. Ensure the surface is level and capable of supporting the unit's weight (approximately 330 lbs).
2. **Electrical Connection:** Connect the compressor to a 240V power supply. This requires a dedicated 30-amp double pole circuit breaker. Consult a qualified electrician if you are unsure about the electrical requirements or installation.
3. **Initial Oil Fill/Check:** Before first use, verify the oil level in the pump. Refer to the oil level indicator and add appropriate compressor oil if necessary. (See Maintenance section for details on oil type).
4. **Pressure Gauge and Controls:** Familiarize yourself with the pressure gauge and control switch. The control switch typically has OFF, AUTO, and possibly other settings.



Figure 2: Detail of the control panel with the ON/OFF/AUTO switch and the pressure gauge, essential for monitoring and operating the compressor.

Operating Instructions

Follow these steps for safe and effective operation of your DEWALT air compressor.

Starting the Compressor:

1. Ensure all connections are secure and the power supply is connected.
2. Turn the control switch to the "AUTO" position. The compressor will begin to build pressure until it reaches its maximum PSI (155 PSI).
3. Once the maximum pressure is reached, the compressor will automatically shut off. It will restart automatically when the tank pressure drops below a preset minimum.

Using Air Tools:

- Connect your air tool to the appropriate air outlet.
- Adjust the regulator (if present) to the desired operating pressure for your tool. The compressor delivers 16.1 CFM at 40 PSI and 14.1 CFM at 90 PSI.
- Always refer to your air tool's manual for its specific pressure requirements.

Shutting Down:

1. Turn the control switch to the "OFF" position.
2. Disconnect the power supply.
3. Drain any accumulated moisture from the air tank by opening the drain valve located at the bottom of the tank. This prevents corrosion and extends tank life.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DEWALT air compressor.

Oil Level Check and Change:

- Check the oil level before each use. The oil sight glass on the pump indicates the current level.
- Use only synthetic, non-detergent compressor oil. Refer to the pump for specific oil recommendations.
- Change the oil according to the schedule in the full product manual or more frequently under heavy use conditions.

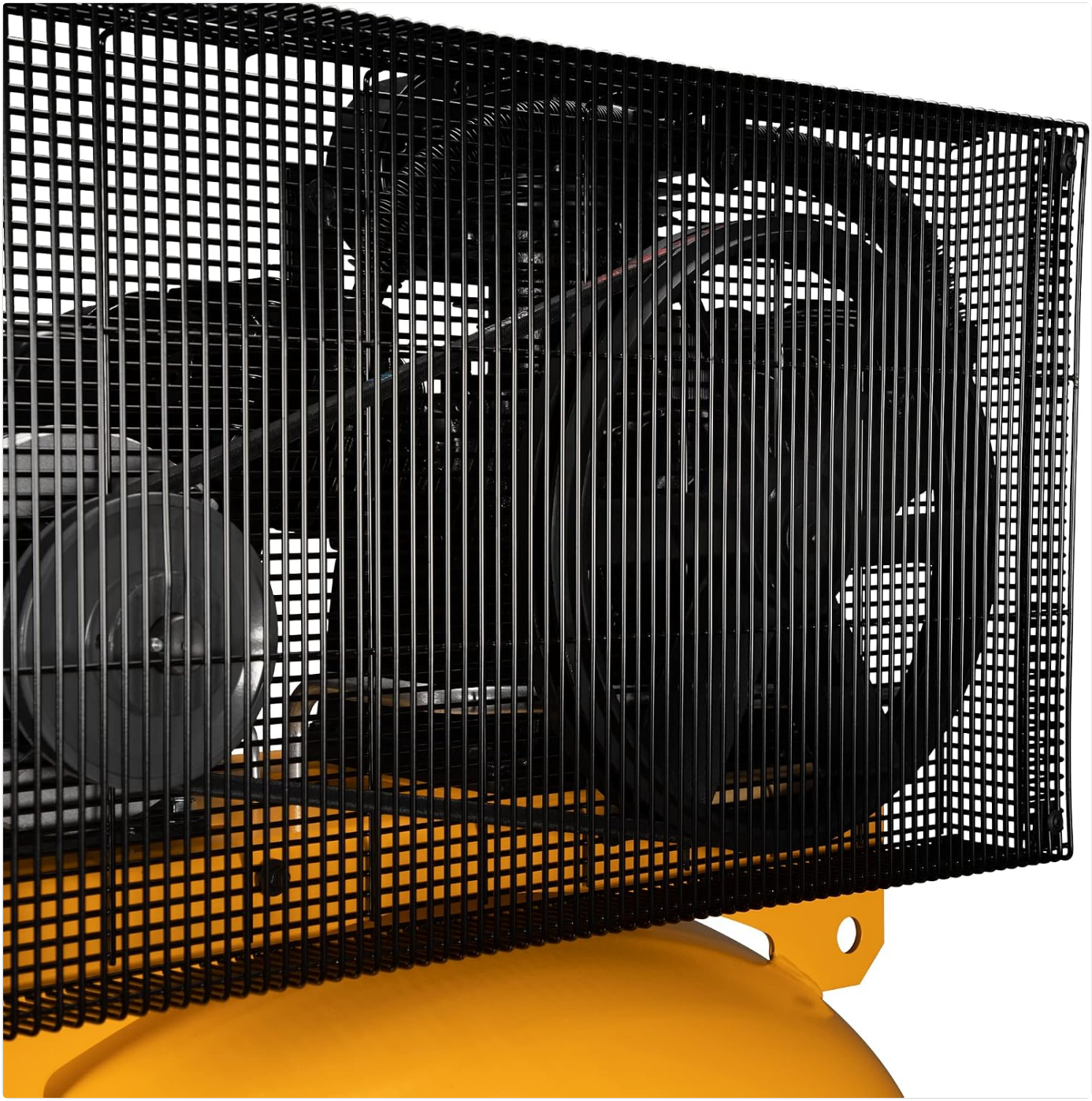


Figure 3: View of the cast iron pump, showing the oil fill cap and instructions for using synthetic, non-detergent compressor oil.

Tank Drainage:

- Drain moisture from the air tank daily or after each use to prevent rust and corrosion.
- Locate the drain valve at the bottom of the tank, open it to release condensed water, and close it securely afterward.

Air Filter Inspection:

- Inspect the air filter regularly. A clogged filter can reduce compressor efficiency.
- Clean or replace the filter as needed, following the instructions in the complete manual.

Troubleshooting

This section provides solutions to common issues you might encounter with your air compressor. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Compressor does not start	No power, tripped breaker, switch in OFF position.	Check power connection, reset breaker, ensure switch is in AUTO.
Compressor runs continuously	Air leak, excessive air demand, faulty pressure switch.	Check for leaks in hoses/fittings, reduce air tool usage, consult service for pressure switch.
Low air pressure	Air leak, clogged air filter, worn pump components.	Check for leaks, clean/replace air filter, consult service for pump issues.
Excessive noise or vibration	Loose components, insufficient oil, worn bearings.	Tighten fasteners, check oil level and add if low, consult service for internal issues.

Specifications

Attribute	Detail
Brand	DEWALT
Model Name	DEWALT 80 Gallon 4.7HP 155 PSI Vertical Single Stage Air Compressor (DXCM801.COM)
Capacity	80 Gallons
Maximum Operating Pressure	155 PSI
Motor Horsepower	4.7 HP (5 Horsepower listed in some specs)
Air Flow Capacity (CFM)	16.1 CFM @ 40 PSI, 14.1 CFM @ 90 PSI
Voltage	240 Volts
Noise Level	62 dB
Power Source	Corded Electric
Item Weight	330 Pounds
Product Dimensions	48 x 40 x 80 inches
Material	Cast Iron (Pump)
Color	Yellow
Special Features	Heavy Duty
Included Components	Air Compressor
UPC	846212076453

Warranty Information

The DEWALT 80 Gallon Vertical Air Compressor comes with a**2 Year Limited Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For full details regarding warranty terms, conditions, and exclusions, please refer to the complete warranty statement included with your product or visit the official DEWALT website.

Customer Support

Should you require assistance with your DEWALT air compressor, please utilize the following resources:

- **Online Support:** Visit the official DEWALT Store on Amazon for product information and FAQs.
- **Direct Customer Service:** For technical support, parts, or service, please refer to the contact information provided in your product packaging or on the DEWALT official website.
- **Returns and Exchanges:** This product is eligible for 30-day easy returns through the seller, CPO Outlets.

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