

## Maxair C7180V1MSMAP

# Maxair C7180V1-MS-MAP Air Compressor User Manual

Model: C7180V1MSMAP

## 1. INTRODUCTION

Thank you for choosing the Maxair C7180V1-MS-MAP 80-Gallon Electric Stationary Vertical Air Compressor. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new air compressor. Please read this manual thoroughly before operating the unit and retain it for future reference. This high-performance cast iron air compressor is designed for demanding tasks such as painting furniture, grinding welds, and heavy-duty nailing. Its vertical tank design optimizes floor space, making it suitable for various workshop environments.





Figure 1: Maxair C7180V1-MS-MAP Air Compressor

## 2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or property damage.

### General Safety Warnings:

- **Electrical Safety:** Ensure the compressor is connected to a properly grounded 230V, 1-phase power supply. Do not operate with damaged cords or plugs.
- **Pressure Safety:** Never exceed the maximum operating pressure of 170 PSI. Always wear appropriate eye protection when operating the compressor or using air tools.
- **Moving Parts:** Keep hands, feet, and clothing away from moving parts, such as the belt and fan, especially when the compressor is running. The sturdy metal belt guard must always be in place during operation.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating and ensure proper air intake.

- **Maintenance:** Disconnect power before performing any maintenance or service. Relieve all air pressure from the tank before servicing.

## 3. SETUP AND INSTALLATION

### 3.1 Unpacking and Inspection

Carefully remove the compressor from its packaging. Inspect the unit for any shipping damage. Report any damage immediately to your supplier.

### 3.2 Placement

Position the compressor on a firm, level surface. The 80-gallon vertical tank design is space-saving, but ensure adequate clearance around the unit for ventilation and maintenance access. Avoid placing the compressor near heat sources or in direct sunlight.

### 3.3 Electrical Connection

This compressor requires a 230V, 1-phase electrical supply. Ensure the circuit is properly sized and protected by a suitable circuit breaker. The unit is equipped with a magnetic starter for easy and safe operation, and to extend motor life.

### 3.4 Initial Oil Check

Before first use, verify the oil level using the easy-view oil site gauge. Add compressor oil if necessary, ensuring the level is within the recommended range.

## 4. OPERATING INSTRUCTIONS

### 4.1 Starting the Compressor

1. Ensure all connections are secure and the power cord is properly plugged in.
2. Turn on the main power switch, typically located on the magnetic starter control box.
3. The heavy-duty pressure switch will automatically start the motor when the tank pressure drops below a preset level and stop it when the maximum pressure is reached.

### 4.2 Using Air Tools

Connect your air tools to the compressor's air outlet. Adjust the regulator to the desired working pressure for your specific application. The compressor delivers 30 CFM at 100 PSI, suitable for various high-performance tasks.

### 4.3 Shutting Down

1. Turn off the main power switch.
2. Bleed any remaining air pressure from the tank using the drain valve or by operating an air tool until the pressure gauge reads zero.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Maxair compressor. Always disconnect power before performing any maintenance.

### 5.1 Daily Maintenance

- **Drain Condensate:** Open the oil drain on the front of the unit to drain any accumulated moisture from the air tank. This prevents rust and extends tank life.
- **Check Oil Level:** Verify the oil level using the easy-view oil site gauge. Maintain the oil level within the recommended range.

## 5.2 Weekly/Monthly Maintenance

- **Inspect Air Filters:** Check the premium air intake filters for dirt and debris. Clean or replace as necessary to ensure efficient operation and prevent damage to the pump.
- **Check Belt Tension:** Ensure the drive belt is properly tensioned. Adjust if too loose or too tight.
- **Inspect Belt Guard:** Verify the sturdy metal belt guard is securely in place and undamaged.

# MAXair PREMIUM

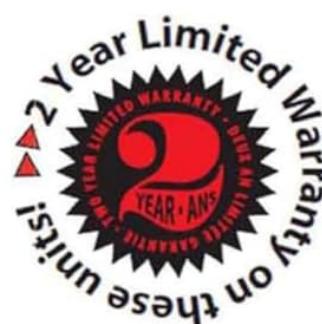
## FEATURES

- RUGGED COMPRESSOR WITH CAST IRON CYLINDERS.
- "V" STYLE DESIGN MINIMIZES VIBRATION, IMPROVES COOLING, AND EXTENDS COMPRESSOR LIFE.
- 2 YEAR LIMITED WARRANTY
- INDIVIDUAL AND REMOVABLE CYLINDERS FOR SMOOTHER COOLER OPERATION AND EASY MAINTENANCE.
- HEAVY DUTY PRESSURE SWITCH WITH ON/OFF CONTROL.
- MAGNETIC STARTER INCLUDED.
- INDUSTRIAL 184 FRAME, 1750 RPM, THERMALLY PROTECTED. 7.5HP, 208/230 VOLT ELECTRIC MOTOR, SINGLE PHASE.
- 80 GALLON ASME REGISTERED TANK WITH 200PSI RATING.
- PREMIUM AIR FILTERS WITH "AUTO DROP" REPLACEMENT FEATURE.
- LIQUID FILLED PRESSURE GAUGE.
- CONVENIENT EXTENDED OIL DRAIN, AND CONVENIENTLY LOCATED BALL VALVE DRAIN ON FRONT OF TANK FOR DRAINING MOISTURE FROM TANK.
- EASY VIEW OIL SIGHT GAUGE.
- HIGH EFFICIENCY REED VALVES FOR MAXIMUM PERFORMANCE.
- EFFICIENT HEAT REMOVAL FROM FLY WHEEL FOR COOLER RUNNING AND LONGER LIFE.
- STURDY METAL BELT GUARD.
- HEAVY DUTY 3/4" BALL VALVE INCLUDED.
- CSA APPROVED.

**C7180V1-MS-MAP**



**170  
PSI**  
MAX RATED



Manufactured by:



## COMPARE THE AIR. . .

NOTE: MS=MAGNETIC STARTER AND CS=COMBINATION STARTER/PRESSURE SWITCH

MODEL	HP	CFM@ 100 PSI	MAXIMUM RATED PSI	RECEIVER CAPACITY	MOTOR VOLTAGE	DIMENSIONS L-W-H (ins)	WEIGHT (lbs)
C7180V1-MS-MAP	7.5	30.0	170	80 Gal	208/230	36 X 23.5 X 68	496.5

Wood Industries, Inc. PO Box 720 Belmont, MS 38827 Phone: (662) 454-0005 Fax: (662) 454-0010

Figure 2: Key features and specifications of the Maxair C7180V1-MS-MAP

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your air compressor. For problems not listed here, contact customer support.

## Common Issues:

- **Compressor Does Not Start:** Check power supply, circuit breaker, and ensure the magnetic starter is engaged. Verify the pressure switch is functioning correctly.
- **Low Air Pressure/Slow Recovery:** Inspect air filters for clogging. Check for air leaks in hoses and connections. Ensure proper belt tension.
- **Excessive Noise/Vibration:** Check for loose components. Ensure the compressor is on a level surface. Inspect the belt and motor for issues.
- **Oil Leaks:** Inspect seals and connections around the oil drain and pump. Ensure the oil site gauge is not damaged.

## 7. SPECIFICATIONS

Detailed technical specifications for the Maxair C7180V1-MS-MAP Air Compressor.

Feature	Specification
Model	C7180V1MSMAP
Brand	Maxair
Tank Capacity	80 Gallons (Vertical)
Maximum Operating Pressure	170 PSI
CFM @ 100 PSI	30 CFM
Motor Horsepower	7.5 HP
Voltage	230 Volts, 1 Phase
Power Source	Electric-powered
Special Features	Heavy Duty, Magnetic Starter, Easy View Oil Site Gauge, Sturdy Metal Belt Guard, Efficient Heat Removal
Recommended Uses	Painting furniture, grinding welds, heavy duty nailing
Item Weight	490 pounds
Dimensions (L x W x H)	36 x 23.5 x 68 inches
Included Components	Air Compressor

# C7180V1-MS-MAP DIMENSIONS

36" 23.5" 68"

36" L X 23.5" W X 68" H  
496 lbs.



Figure 3: Dimensions of the Maxair C7180V1-MS-MAP Air Compressor

# MAXair™ PREMIUM

C7180V1-MS-MAP



- RUGGED COMPRESSOR WITH CAST IRON CYLINDERS
- CSA APPROVED
- 80 GALLON ASME REGISTERED TANK
- MAGNETIC STARTER INCLUDED
- LIQUID FILLED PRESSURE GAUGE

DESIGNED  
& BUILT

## STRONG

FOR PROFESSIONAL  
CONTRACTORS

## COMPARE THE AIR...

30<sup>C</sup><sub>F</sub><sub>M</sub> @ 100<sup>P</sup><sub>S</sub>

## UNMATCHED

FEATURES &  
SPECIFICATIONS

MAX  
170<sup>P</sup><sub>S</sub>



✓  
208/  
230V  
ELECTRIC  
MOTOR

7.5  
HP



✓  
80  
GALLON  
CAPACITY



Figure 4: Overview of Maxair Premium features and specifications

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The Maxair C7180V1-MS-MAP Air Compressor comes with a **Limited 2-Year Warranty**. This warranty covers defects in materials and workmanship under normal use. Please refer to the warranty card included with your purchase for full terms and conditions.

## 8.2 Customer Support

For technical assistance, parts, or warranty claims, please contact Maxair customer support. Have your model number (C7180V1MSMAP) and purchase date ready when contacting support.

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