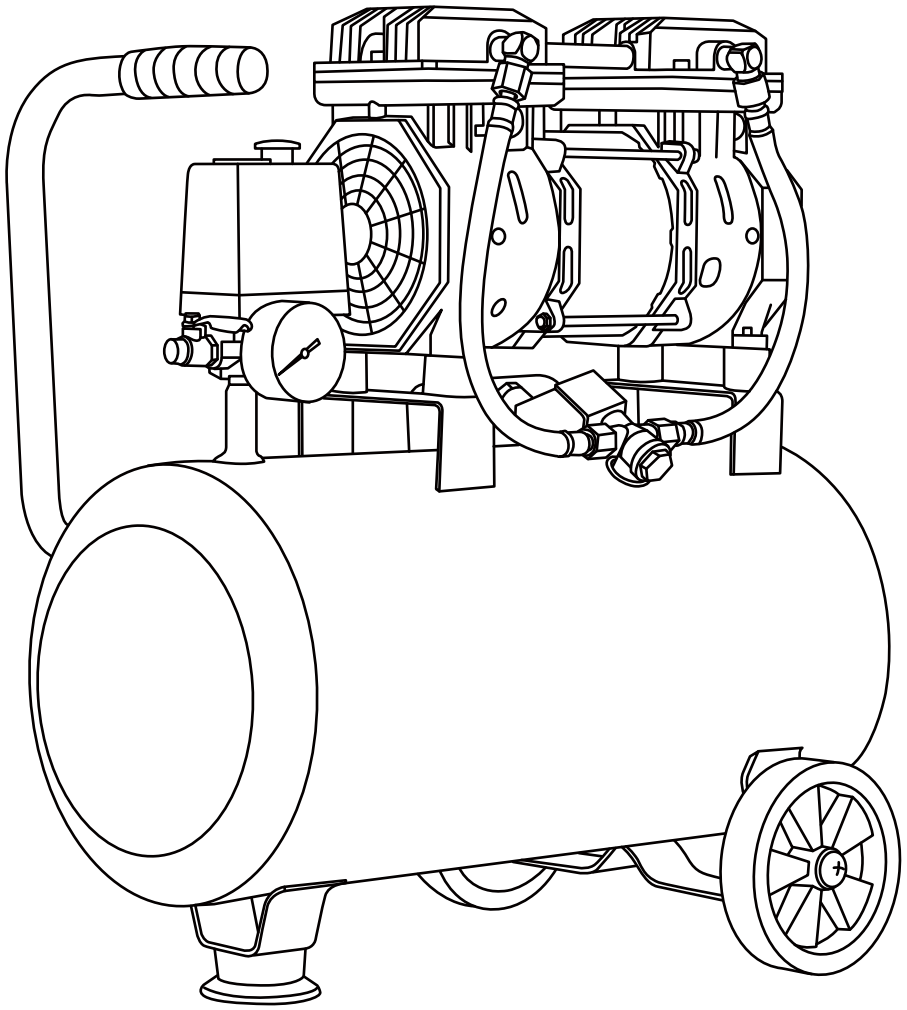
US XTREMEPOWER

# 2HP 7 GALLON AIR COMPRESSOR

ITEM # 65161



# OWNER'S MANUAL AND SAFETY INSTRUCTIONS

**SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER**

**FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.0880**

# SAFETY WARNINGS

**WARNING** **Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.**

**The warning and safety instructions in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.**

Pay attention to damaged parts. Check the device before use. Are any parts damaged? In case of small damage please consider whether the device is really capable of safe operation.

• Store the machine in a dry and ventilated environment and keep it far away from perishable, flammable, and chemical goods. The storage time should be no more than three years. If over three years old, please check, maintenance, and test before use.
• Do not store the compressor on a slope nor upside down.
• Use it in an air-flowed, clean, and cool environment to prolong the service life, and avoid high temperatures, dust or fuel.
• Before connecting to electric power, keep the machine closed. When the power gets through, open the pressure switch and the machine will start working. The input voltage should be not below or above 10% of the rated working voltage.
• Do not let the air compressor get wet and keep it out of humid environments.
• When the machine is working, do not touch the cylinder cover, exhaust pipe, non-return valve, and other high temperature parts to avoid burns.
• When the power ≤ 750W, the cross area of the power cable should not be less than 1M ㎡;when the power＞750W, the cross area should not be less than 2 M ㎡ and the cable should be not too long.
• Do not allow unauthorized persons to get to the machine. Keep visitors and spectators, especially children and handicapped persons, in a safety distance from your workplace.
• Always wear protective glasses and corresponding sight and hearing protection aids. Never aim compressed air beam at your body or other persons or animals.
• Disconnect the compressor from power source and release all pressure from the air jet before repair, inspection, maintenance, cleaning or replacement of construction parts.
• Do not transfer the compressor when connected to power source or when the air jet is under pressure. Before connecting the compressor to power source make sure the pressure transducer switch is in the OFF position.
• Do not wear wide clothes or jewelery as they can get caught by machine parts.
• If using the compressor outside it is use extension cables designed for outdoor use with appropriate ratings only. Operate the compressor at voltage specified on the type label. If the compressor is operated at voltage higher than the specified rated voltage inadmissible engine overheating may occur.
• Do not make any alterations to the compressor. If the compressor needs to be repaired please contact the customer service. Any non-approved alteration may negatively influence the compressor output; it may also cause serious injuries if made by persons without necessary technical skills.
• Do not touch any hot compressor parts. Do not touch any cables, engine or other constructional elements of the compressor in order not to get burnt.
• This device corresponds to all appropriate safety regulations. Repairs may only be executed by qualified electricians in authorized service repair centers while using original spare parts. Failing to observe this regulation may lead to an accident.

## INTRODUCTION OF PRODUCTS

**The Oil-free air compressor is widely used in dentistry, aquaculture, food, medicine, health and fitness facilities, chemical industry, scientific industry, etc. It also can be used as a vacuum pump. Its main advantages are as follows:**

• The motor adopts an advanced design system to guarantee the compressor achieves high power, high efficiency, low energy consumption, high performance, and high reliability.
• The piston ring adopts environmental protection materials, with a small friction coefficient, capable of self-lubricating, replacing the traditional oil piston machine for lubrication. More importantly, no harmful substances containing oil would cause secondary pollution to air sources.
• The jacket adopts an advanced surface hardening treatment technique, greatly reducing the thickness, accelerating the speed of heat transfer, and effectively improving the surface density and wear resistance, reducing friction coefficient, as a result of prolonging the service life and reducing the maintenance time and costs.
• The admission and the discharge valve pieces have been adapted to the Sweden steel belt which has been processed by critically rolling and grinding for 80 hours. The silencer design improves the volume efficiency and the noise is lower than a similar machine.
• The machine has multiple pressure and overload protection to ensure stable and reliable use.

## MAIN TECHNICAL PARAMETERS

| MODEL | VOLTAGE | AIR.CAPACITY cfm | PRESSURE PSI | POWER W | SPEED R.P.M | TANK Gallon |
|---|---|---|---|---|---|---|
| 65161 | 110V/60HZ | 4.9 CFM | 116 | 1450W | 3400 | 7 |

## OPERATION

1. Put the switch button in the ON/AUTO position and plug it in if the machine doesn't start, drop the pressure of the air tank to 0.4MPa, then start it again.
2. Put the switch button in the OFF position and shut off the power, the machine will stop running.
3.The switch has equipped with safety valve. When the pressure of the air tank more than 0.88 MPa, the relief valve will ring, meanwhile the machine will exhaust and reduce pressure automatically. If the safety valve sounds, test the air pressure switch, make sure the working pressure does not exceed the maximum.
4. After the machine is turned off, gently turn the lever under the oil-water separator to completely discharged the sewage.
5.The air pressure from the release valve can be adjusted through the regulating valve on the oil-water separator. When rotated clockwise, the pressure will increase. Attention, DO NOT rotate the valve to exceed its limitation, otherwise it will break.
6. When you want to adjust the working pressure of the pressure switch, open the cover of the switch and rotate the screw inside, clockwise to increase, counterclockwise to decrease.

# MAINTENANCE

**Cut off the power and release all the air pressure inside the tank before maintenance**

• Keep the machine clean, and do cleaning for it regularly.

• Drain the dirty water inside the tank at least once every week. At the same time, make sure the inside pressure is lower than 0.1Mpa.

• Check the safety valve often. When it releases air easily, the valve rod will recover.

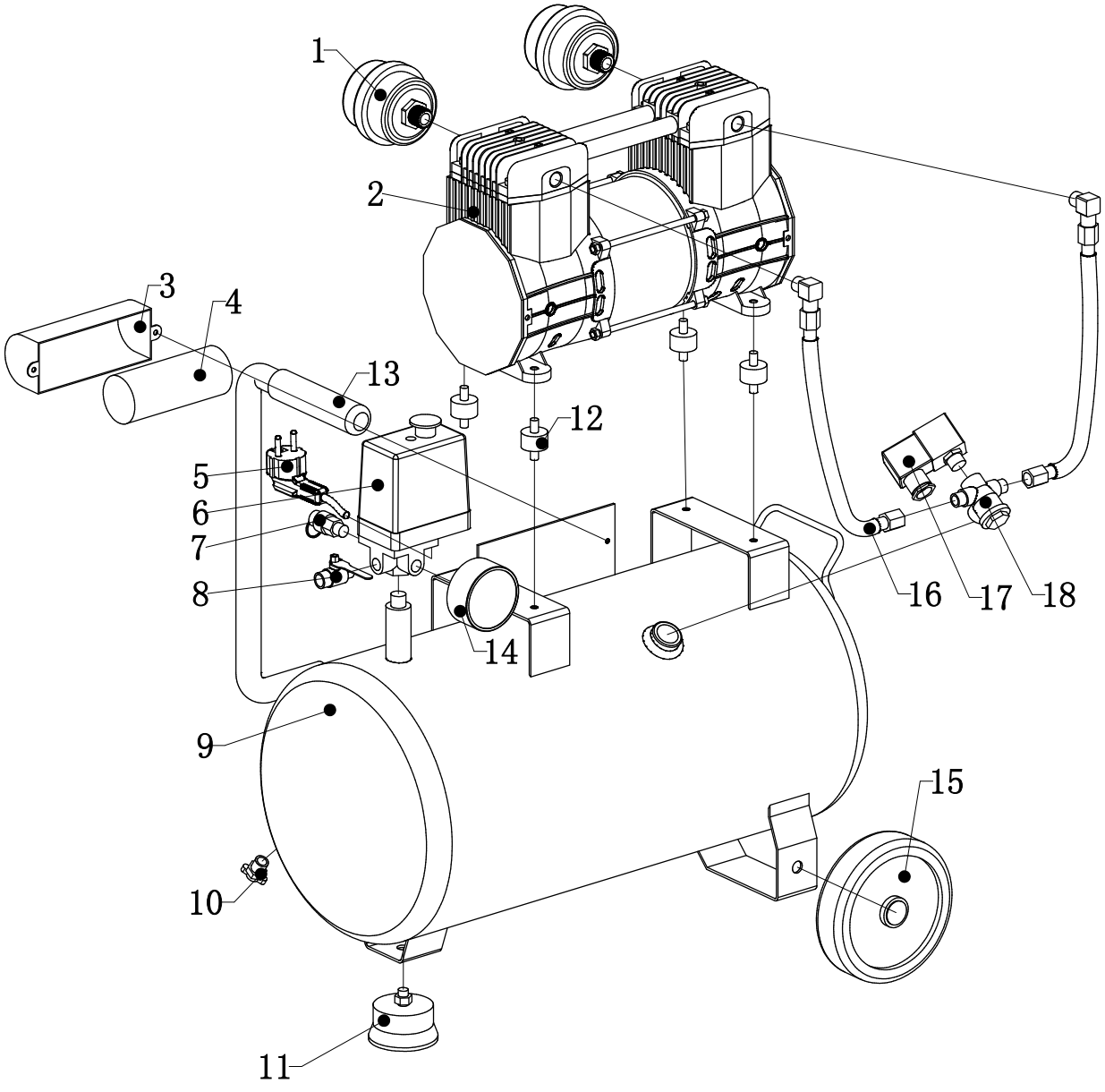
• When the air compressor totally work 500 hours, please clean the filter or change new one and also wash and clean the delivery valve. When work 5000 hours, please change new piston ring。

• Do a pressure test for the tank one time each year and also check the inside and outside.

## TROUBLESHOOTING

| ISSUE | POSSIBLE CAUSE | REMEDY |
|---|---|---|
| Motor is unable to run and makes no sound | 1. not enough electric power<br>2. pressure switch off<br>3. fuse broken<br>4. over-load protector is protecting<br>5. The pressure switch broken<br>6. the stator winding broken | 1. check the plug and switch<br>2. recovery the switch and make clear reason<br>3. change new fuse<br>4. restart the motor after it cooled (after 15 minutes)<br>5. contact the service center |
| Motor have current but do not rotate or rotate too slowly | 1. voltage is too low<br>2. motor winding short circuit or circuit open<br>3. non-return valve or pressure switch broken | 1. check the voltage and make sure not lower than 200V<br>2. contact the service center<br>3. contact the service center |
| Over-load protector cut off the power again and again | 1. voltage is too low<br>2. poor ventilation or too high a temperature | 1. check the fuse. Do not get power from other electric equipment but use its own circuit<br>2. contact the service center |
| Turn off the air compressor, and the pressure decrease | 1. gas the circuit connector looses, air leakage<br>2. drain water valve open<br>3. check valve open | 1. check the voltage, make sure it is not below 10% of the rated voltage<br>2. contact the service center<br>3. contact the service center |
| Released air contains too much water | 1. the tank has too much water<br>2. too humid environment | 1. drain water inside the tank<br>2. use it in lower temperature and dry environment or use oil-water separator. |
| Air compressor working without stop | 1. pressure switch broken<br>2. air leakage | 1. change new switch<br>2. check and repair it |
| Air compressor shake | 1. fastener loose<br>2. foot pad broken or lose | 1. check and repair it<br>2. change new foot pad |

| | | |
|---|---|---|
| Pressure cannot increase or can not reach the rated one | 1. drain water valve open<br>2. the filter block<br>3. gas circuit connector loose<br>4. valve plate or gasket broken<br>5. too much abrasion for piston or cylinder | 1. tighten the drain water valve<br>2. cleaning the filter or change new one<br>3. tighten the gas circuit bolt<br>4. change the gasket or plate<br>5. change new piston or cylinder |



| Serial No. | part | qty |
|---|---|---|
| 1 | Sound reducer | 2 |
| 2 | motor body | 1 |
| 3 | capacitor cover | 1 |
| 4 | capacitor | 1 |
| 5 | cable plug | 1 |
| 6 | pressure switch | 1 |
| 7 | safety valve | 1 |
| 8 | ball valve | 1 |
| 9 | tank | 1 |
| 10 | drain valve | 1 |
| 11 | pad | 1 |
| 12 | shock pad | 4 |
| 13 | handle cover | 1 |
| 14 | pressure meter | 1 |
| 15 | wheel | 2 |
| 16 | metal hose | 2 |
| 17 | solenoid valve | 1 |
| 18 | one-way valve | 1 |

# DISCLAIMER

## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here: _____**
**Note: If product has no serial number, record month and year of purchase instead.**

**Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.**



## Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.

Call Us: 909.628.0880
Email Us: customer@xtremepowerusa.com

Hours of Operation: 9am - 3pm PST Monday - Friday

**MADE IN CHINA**