



# AIR **CHAMP** COMPRESSORS

## Operating Instructions



**THIS MANUAL COVERS  
THE FOLLOWING MODELS:**

**Air  
Champ Pro**

**160L  
PER MIN**

**60  
MM  
CYLINDER**

**150  
PSI MAX  
PRESSURE**

**Air  
Champ**

**90L  
PER MIN**

**45  
MM  
CYLINDER**

**150  
PSI MAX  
PRESSURE**

**Please read this manual before operating the compressor**

[www.ironman4x4.com](http://www.ironman4x4.com)



## SPECIFICATIONS

### ICOMPRESSOR003

Motor: 12-Volt DC

Max power: 40A

Max working pressure: 150psi

Recommend on/off cycle time: 20 mins

### ICOMPRESSOR004

Motor: 12-Volt DC

Max power: 45A

Max working pressure: 150psi

Recommended on/off cycle time: 30 mins

## CAUTION

The compressor only operates with a 12-volt electrical system.

Use extreme caution when connecting the unit to a power source, as batteries can vent explosive gasses. Avoid connections that could produce a spark. Consult your vehicle's owner's manual or a qualified mechanic for proper connection procedure.

After 20 minutes (*ICOMPRESSOR003*), or 40 minutes of continuous operation (*ICOMPRESSOR004*) allow the unit to cool before restarting. Damage can occur from continued over use.

The compressor was permanently lubricated during assembly. Do not add oil or any other lubricant.

The unit will become HOT during use. Please use caution when touching the unit, in order to avoid burns.

Only hold the unit by the carry handle and allow the unit to cool before storing.

Only inflate tyres to the manufacturer's recommended pressure. Do not over inflate, as tyre failure or serious injury could occur.

The use of work gloves and safety glasses is recommended when operating the unit.

Keep the unit out of reach of small children. Clean with a damp cloth only. Do not use chemicals or soap.

Do not use the unit for pumping, compressing or transferring any gas or liquid other than air. The unit is not designed for use as a source of breathable air.

There are no user serviceable parts inside the unit. Do not disassemble.



## OVERHEATING, PROTECTION CIRCUIT

The unit is equipped with an automatic protection device. In the event the unit reaches an unsafe operating temperature, a protection circuit will cut power to prevent damage to the unit. If the protection circuit activates, immediately disconnect the unit from the power source and allow it to cool.

The unit will cool in approximately 15 minutes, depending on environmental conditions. The protection circuit will automatically reset itself when the temperature returns to a safe operating level.

High altitude and certain air temperatures can negatively affect performance of the unit.

## EXTRA CAUTION

### *Small Tyres, Bicycles and Sports Balls*

Use extra caution when inflating small objects. Pay close attention to the pressure gauge, and be prepared to stop the unit quickly when manufacturer's recommended inflation pressure is reached.

## OPERATION

1. Place the unit on a dry level surface, avoiding dust and sand.
2. Connect the air supply hose to the unit using the quick connect fitting.
3. Connect the **Red** power clip to a *Positive* 12 volt source. Connect the **Black** power clip to a *Negative* ground point.
4. Check to ensure the valve stem is clean and free of dirt.
5. Connect the air hose by screwing the brass inflator onto the tyre valve stem.  
Only finger tighten the inflator. Do not use any tool as you may damage the inflator or the valve stem.
6. Turn the compressor switch to "on" and let air flow into the tyre.
7. Watch the gauge closely, and stop the motor when the manufacturer's recommended pressure has been achieved.
8. Remove the inflator from the valve stem. Remember to replace the valve cover on the stem.
9. Disconnect the power cord.
10. Allow the unit to cool and place neatly in the carry bag.
11. Store the unit in a dry location.



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**CHAMP**  
**COMPRESSORS**

