



**Model 6180RC**  
**10% Duty Cycle Compressor**  
**with Compact Mounting System**

**Please read the contents of this manual  
before using this product.**

**USER MANUAL**  
**SAVE THIS MANUAL FOR FUTURE REFERENCE**

## **Compressor Kit Contents:**

### **Air Compressor:**

Qty. 1 Model 6180RC Kleinn Air Compressor with Compact Mount

### **Air Compressor Components:**

Qty. 4 Compressor Mounting Hardware

(Nuts, Shorter Bolts, Washers & Locking Washers)

Qty. 2 Rubber Isolator mounting pads

### **Compressor Installation**

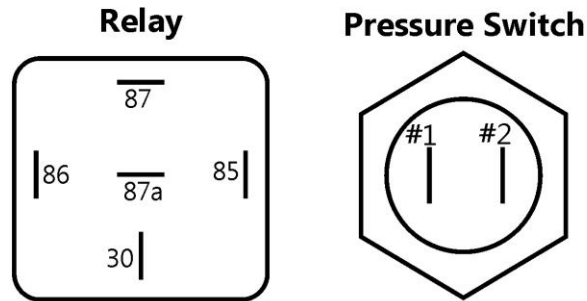
- This air compressor can be mounted in any position, but we do not recommend mounting it upside down; as this can cause overheating and duty cycle loss.
- To maximize air compressor performance, install it as close to the battery as possible and use a larger gauge wire (12 GA minimum) to avoid amp draw increase and/or voltage loss.
- This compressor is moisture & dust resistant, but is not waterproof or dustproof. Do not install in areas exposed to excessive water or dirt.
- Make sure that your compressor is properly fused. Amp draw is noted on the label affixed to the body of the air compressor as well as in the Specifications section on the next page.
- Always locate fuse as close as possible to power source (battery).
- When using a pressure switch, use a “switched” power source and a relay to supply power to your compressor only when the vehicle is running. (*Wiring diagram below*)

### **On Demand Installation:**

If you are using your compressor in an on-demand system and using the air supplied by the compressor only as needed, then you may wire it directly to power. Be sure to install a 15 amp fuse as close to the battery as possible to protect the compressor.

### **Installing a Pressure Switch:**

If you are using your air compressor with an air tank, you will need a 120 PSI maximum pressure switch that will turn the compressor on & off at preset pressures. Use a 40-amp relay to prolong pressure switch life. Wire the system using the diagram below:



**Legend:**

Relay #87.....	Compressor +12v power wire
Relay #86.....	Ground
Relay #30.....	Battery (fused)
Relay #85.....	Pressure switch Post #1
Relay #87a.....	Not used
Pressure Switch Post #2.....	Switched (on/off with key) +12v

**Installing a Pressure Switch (cont'd):**

1. Never install a pressure switch in directly across from the inlet port coming from the compressor. Tank pressure can be misread by the pressure switch and may cause undesired on/off operation. Install the pressure switch on the tank where it receives readings from deflected air being stored in the tank.
2. Never use a pressure switch that is rated beyond your compressor’s rated Maximum Working Pressure. Refer to specifications below for maximum working pressure.
3. Always use a relay to turn the compressor on and off. This will increase the life of the pressure switch. (Note: Relay wiring diagram above.)
4. The pressure switch leads are not polarized. One lead is connected to the power lead on your compressor, the other is routed to fused and switched power.

**COMPRESSOR SPECIFICATIONS**

**6180RC Air Compressor**

- Compressor Type: Sealed, Oil-less
- Voltage: 12-volts
- Duty Cycle @ 72° F (100 PSI): 10%
- Maximum Amperage: 11 amps
- Maximum Working Pressure: 120 PSI
- Flow Rate @ 0 PSI (13.8 volts): 1.55 CFM
- Dimensions: 5.5” L x 3.25” W x 5” H

**IMPORTANT:** This compressor is designed for use with pneumatic accessories that utilize the air compressed by the unit on-demand, or with air stored in up to a 0.5 gallon air tank. It is not designed for heavy duty, or continuous use applications such as tire inflation. It is not designated for use with air tools.

**Air Compressor Operation:**

1. Your air compressor must not be operated for longer than 10 minutes in any given hour. After operation, it must be allowed to cool down for approximately 50 minutes before using again.
2. To prevent discharge of your vehicle's battery and to provide peak performance, keep the vehicle's engine running while using the air compressor.

**Compressor Maintenance & Repairs**

1. Periodically check all electrical and fitting connections.
2. Periodically check all mounting hardware.
3. Regularly clean dust and dirt from compressor exterior to avoid heat buildup..
4. Never lubricate the compressor using any oil or other lubricant.
5. Repair should not be performed by end user. Refer repairs to Manufacturer.

**CAUTION:** Never touch the air compressor or fittings connected to the air compressor with bare hands during or immediately after use. Leader hose and fittings will become very HOT during and after use.

**Testing Your System**

Run the compressor to build pressure in your system or air tank. For on-demand systems, turn the air compressor off and inspect with soap and water solution sprayed onto all fittings to check for leaks. If using a pressure switch, when air pressure reaches the pressure switch cut-out pressure, the compressor will automatically turn off. Inspect all air line connections for leaks by spraying a soap and water solution on them and looking for bubbles. If leaks are detected, re-attach hoses or apply Kleinn Air Horn Juice™ on fittings to re-seal. Periodically check your system's fittings this way if your compressor turns on more often than normal without air use.