



## Extensive Electrical Check: Industrial Series Air Compressors

### 1. Check Motor Connection:

Lock Out Power. Check the motor was initially wired to match your incoming voltage. Refer to the wiring diagram on the motor.

### 2. Check Starter Connections:

Lock Out Power. Remove metal cover of the Starter Box. Check that all wires are in place and securely tightened to the connectors.

### 3. Check Capacitor Connections:

Lock Out Power. Remove metal cover on Motor housing. Check that all connections to Capacitors are secure and correct.

### 4. First Voltage Check:

Run air compressor for 30 minutes, check voltage reading every 10 minutes while the compressor is running. If the voltage drops below 10% of the voltage listed on the motor name plate you may need to increase your wire size.

### 5. Second Voltage Check:

With the air compressor tank full and the pump not running, bleed air out of the tank. As the compressor hits the low pressure point and starts running check the voltage reading. There should not be more than a momentary drop in voltage. If there is a drop in voltage longer than a few seconds the wire size may need to be increased.