



12 and 24 Volt Models Available

# TRUCK MOUNT AIR COMPRESSOR

Fill Tires



Plasma Cutter



Air Jack



Impact Wrench



**MOTOR-** The finest 1hp, 90 amp, 1800 rpm, thermally protected, permanent magnet motor available with a 2000 hour run life.

**COMPRESSOR-** Heavy duty twin cylinder, cast iron, oil lubricated compressor provides long life and reduces noise.

**PULLEY DRIVE SYSTEM-** positive gear belt drive system. Motor turns at 1800 rpm. Pump turns at 475 rpm.

**PRESSURE SWITCH-** 150 psi shut-off, 115-150 psi working pressure.

**FAN-** Draws air into the enclosure forcing hot air out of the enclosure.



MODEL# / VOLTAGE  
12V6CF / 12 VDC  
24V6CF / 24VDC

AMP DRAW  
12V6CF : 90  
24V6CF: 45

A 100 amp alternator will charge 35-40 amps at idle.

Voltair recommends a battery with 120 minutes or more reserve.

DUTY CYCLE  
80%

10 CFM @ 50 psi

6 CFM@100 psi

Fill 10 Gal. Tank (0-150 psi)  
00:02:55

DIMENSIONS  
19" H x 18 1/4" W x 8" 5/8 D

WEIGHT  
110 LBS.

FULL ONE YEAR WARRANTY  
TWO YEARS ON THE PUMP AND MOTOR

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12V	150 psi	6 cfm	Model 12V6CF
24V	150 psi	6 cfm	Model 24V6CF

## Available Accessories:



DOT Approved  
8 Gallon Tank



DOT Approved  
12 Gallon Tank



Circuit Breaker



## Questions?

### Do I need 2 batteries?

*Voltaire recommends a battery with 120 or more minutes of reserve. The 12 Voltair air compressor does not need cranking amps for optimum performance, but it does need battery reserve. If you plan on using the Voltair for more than 3 hours a day on a daily basis, then a 2nd battery would be needed for optimum performance.*

### Do I need an air tank?

*Yes, Voltair recommends using a tank of 10-30 gallons for optimum performance. No matter the size of air compressor in a maintenance shop, air storage of 100 gallons or more is very common, because volume "speaks!"*

### Is the motor similar to a starter motor?

*No, a starter/series wound motor is an open wound motor meaning that if you were to energize a starter/ series wound without a load, it would spin at several thousand rpm, whereas, the motor used in the Voltair is a permanent magnet motor with brushes. Thus, if you were to energize this motor without a load it will run at a consistent 1800 rpm. A starter/series wound motor is designed to run for short amounts of time, whereas the motor in the Voltair can be run for longer periods of time. See duty cycle for how long the Voltair can run. Typically a starter/series wound motor or series wound motor will use up to 15% more energy to create the same amount of horsepower as a permanent magnet motor.*