



Product Manual 1.7

PRODUCT MANUAL

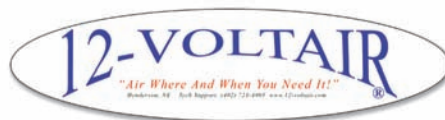


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HISTORY

Voltair, Inc began back in 1985 by a Nebraska farmer who saw a need. Dissatisfied with gas operated systems, Dennis Goertzen developed this unique unit to provide “air where and when he needed it!” With encouragement from family and friends, Dennis decided to refine his first unit and attempt to fill a niche in the farming industry. With the philosophy of not wanting to deal with warranty work, he set out to manufacture a 12-Volt Air Compressor that would not only fill a niche, but provide compressed air year after year after year without failure. In December of 1990, with just 6 units, he made his way to Amarillo, Texas for his first trade show and with little effort sold all six units during the three day show. Not completely convinced that his customers would still be excited about their purchase, he not only returned with 12 more additional units, but with cash to refund his previous year customers. Five of the first six customers came through his booth that following year to thank him for his product and to let him know that their 12-Volt Air Compressor they purchased was going to be the last thing they would let go of. As time has passed, it is not uncommon to get calls from customers who just need a new cabinet for their 12-Volt Air Compressor as they move it over to their new pickup, for the fifth or sixth time.

As Voltair’s customer base has grown, it has become obvious that compressed air is a needed commodity in just about every industry. Times have changed over the years, and today, “Time is Money”. In a society where technology has boomed, services have gone mobile, and people just don’t have time to wait, having compressed “air where and when you need” is not just a convenience but is quickly becoming essential. Considering gasoline powered air compressor are often left behind because of their bulky size and other 12 volt operated air compressors on the market today cannot compete with the quality of the Voltair, owning a Voltair just makes perfect sense.

CONTACT US

SALES

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MARKETING

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CUSTOMER SERVICE

Reasons to Call	Who To Call	Phone Number
Troubleshoot a problem	Tech Dept	(402) 366-6288 or (402) 366-6289
Warranty claim	Tech Dept	(402) 366-6288 or (402) 366-6289
Trouble with an order	Sales Dept	(925) 258-9909 or (402) 366-6289
Where is my order	Sales Dept	(925) 258-9909 or (402) 366-6289
Place an order	Sales Dept	(925) 383-8724
Order parts	Tech Dept	(402) 366-6288 or (402) 366-6289
Can I be a dealer	Sales Dept	(925) 383-8724
Need more literature	Marketing	(402) 366-6289
Need product info	Marketing	(925) 383-8724 or (402) 366-6289

NEED TO KNOW

MOTOR- High torque, 1800 rpm, permanent magnet motor with brushes and thermal protection. This is not a starter motor. See Point #5 on next page.

PUMP- Heavy duty twin cylinder, cast iron pump, oil lubed

DRIVE SYSTEM- Positive timing gear belt pulley system. This type of pulley system eliminates belt slippage and extends the life of our belt.

FULL 1 YEAR WARRANTY

SPECS

POWER SOURCE- 12-Volt Battery (1 good battery of 120+ minutes of reserve or 2 batteries)

AMP DRAW- 80 amps*

DUTY CYCLE- 80%- 50 minutes of runtime out of an hour @ Temps under 90 Degrees F.

MAX PSI- 150 psi

CFM @ 50 psi** 12 cfm

CFM @ 100 psi** 6 cfm

THERMAL PROTECTOR- Our thermal protector will shut down the 12-Voltair when the motor exterior case reaches 200F. This is a auto-reset thermal protector that will reset itself within 20 minutes.

OIL CAPACITY- 2 cups

OIL RECOMMENDATIONS

-20F - 70F use a 10W non detergent compressor oil

50F - 110F use a 30W non detergent compressor oil

-20F - 110F use a 40W synthetic non detergent compressor oil***

DIMENSIONS- 19H" x 18¼W x 8¼D"

WEIGHT- 110 lbs

* 80 amps is a lot. A 100 amp alternator will charge around 40 amps when the vehicle is idling. Combined with at least one good battery (120 or more reserve) and/or a second battery you will limit your problems. Since the 12-Voltair is rated at a 50% duty cycle (up to 50 minutes of use each hour) there is time for the alternator to replenish the battery when the compressor is not running.

** CFM is a number that can often be misleading. The 12-Voltair is capable of filling a 10 gallon air tank from 0-150psi in just 3 minutes.

***Amsoil is just one company that sells a synthetic compressor oil.

(800) 956-5695 part # PCKQT

BATTERY FACTS

1. The OEM (Original Equipment Battery) that came with the purchase of your vehicle is only designed to keep up with the demand of the vehicle. For optimum performance, Voltair recommends replacing your battery with a battery that is rated with 120 or more minutes of reserve.
2. The alternator that comes standard in most vehicles will charge between 40-50 amps at a vehicle idle. Since the Voltair draws 80 amps when in use, Voltair recommends a good battery and in some cases a second battery may be necessary.
3. Voltair 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.
4. Over time a battery's ability to hold a full charge greatly diminishes. A lead battery may need to be replaced every 2 years and an optima battery may need to be replaced every 4 years.
5. If you are using or planning to use the 12-Voltair for more than 3-4 hours on a day-to-day basis adding a second battery will help in achieving optimum performance

FREQUENTLY ASKED QUESTIONS

Can the Voltair run air tools?

The Voltair is capable of running a variety of air tools such as impact wrenches. A ½" impact wrench is a good match for this compressor. Three quarter and one inch impacts can be used on a limited basis. Amount of use is determined by the saizeo fo tank.

How does the Voltair compare with gasoline powered air compressors?

We like to compare the Voltair to a 5.5hp gasoline air compressor with the added benefit of 25-30 additional psi. Most gasoline compressors pump up to 125psi whereas the Voltair is set to shutoff at 150psi. Other benefits include the smaller size and its dependability to run in spite of rain or cold weather. See page 10 for additional information

Does the Voltair have air tanks?

The Voltair is not shipped with air tanks, for the simple reason of not having the right size tank for your situation. We have designed a compact unit to be mounted in the bed of a pickup, and the air tank can be mounted out of the way, such as under the vehicle or under a toolbox, with only an air hose connecting the two. Accessory kits are available. See Page 17.

Is the Voltair automatic?

Yes. The Voltair is run by a pressure switch. As long as the Voltair is hooked to a battery and the switch is on, the compressor is active. If the pressure drops below 125psi the compressor will kick on and pump the air storage tank to 150psi and then shutoff.

Is the motor similar to a starter motor?

No. A starter motor is an open wound motor, meaning that if you were to energize a starter 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 motor is designed to run for short amounts of time, where as the motor in the Voltair can be run for longer periods of

time. See duty cycle below for how long the Voltair can run. Typically a starter motor or series wound motor will use up to 15" more energy to create the same amount of horse power as a permanent magnet motor

Does the Voltair have a duty-cycle?

Yes. The Voltair has a 80% duty cycle. This means that on an average day, the Voltair is capable of running 50 minutes per hour.

Will my alternator on my vehicle keep up with the 80 amp use of the 12-Voltair?

80 amps is a lot. A 100 amp alternator will charge around 40 amps when the vehicle is idling. Combined with at least one good battery (120 or more reserve) and/or a second battery you will limit your problems. Since the 12-Voltair is rated at a 80% duty cycle (up to 50 minutes of use each hour) there is time for the alternator to replenish the battery when the compressor is not running.

What kind of oil should be used in the Voltair?

Voltair, Inc. Recommends using an ISO-40, non-detergent, synthetic compressor oil. Compressor oil is different than regular motor oil, in that it does not contain any detergents. The synthetic oil will allow you to use the same oil year round.

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Can I run the 12-Voltair when my vehicle is on a hill?

Yes and no. The only time that this could be a problem is when the outlet end of the compressor is in a 40 degree angle or more. At this point oil can be pumped out the air vent on the oil dipstick. Oil is not pumped out the dipstick if the 12-Voltair is tipped to the front, back or to the left.

Can the Voltair be mounted in a toolbox?

Yes and no. Heat is a result of compressing air, so ventilation is always something that you need to be aware of. If you are going to put the Voltair in a box, such as a toolbox, you need to open the lid if you are going to run the compressor.

How long will this Voltair compressor last?

The first Voltair compressors were sold in 1990. Even today we get calls from our first original customers asking us this very same question. After 16 years of use, the only things replaced are a belt, solenoid, pressure switch, or compressor enclosure box. The two most expensive components pump and motor, when operated under the guidelines that we have set, should last at least 10 years.

What is the durability of the belt?

In 2005 we changed from using a B-belt to a flat timing belt. Since we made this change we have had few problems. The problems that we have had have been the result of a tool or other hard object being dropped in the enclosure, causing the fan to bend and tear the belt.

TROUBLESHOOTING GUIDE

TROUBLESHOOTING TOPICS

- My 12-Voltair does not run.
- My 12-voltair shakes a lot.
- My 12-voltair runs but is not able to pump up any pressure.
- My 12-Voltair just start-stops-start-stops.
- My 12-Voltair runs fast at the beginning but sounds like it slows down after it has run for 5, 10 or 15 minutes.
- When running the 12-Voltair for extended periods of time, my vehicle just shuts off.

MY 12-VOLT AIR DOES NOT RUN

1. Check if the switch on the pressure switch is in the auto (down) position
2. Check the air pressure. If you have more than 120 PSI in the compressor, the compressor will not kick in and run until the pressure has dropped below 120 PSI

Before proceeding with this troubleshooting guide, be sure to disconnect the wire on the right side of the solenoid to avoid the 12-Voltair from switch on without notice. This is the wire that goes to the inside of the motor.

3. Do you have a toggle switch? If not skip to 4.
 - Check if the toggle switch is in the on position
 - Check your wiring against the wire diagram on previous page
 - Check with a volt meter that you have voltage on at least one side of the switch (10-14 VDC) when the switch is in the off position
 - Check to see if you have voltage on both sides of the switch when the switch is in the on position
4. Do you have a circuit breaker? If not skip to 5.
 - Check to see if there is a reset on the circuit breaker
 - Check to see if you have voltage on both sides of the circuit breaker (10-14 VDC)
5. Check to see if the solenoid is working
 - Make sure the circuit breaker is engaged, the remote switch is on
 - Make sure the switch is in the off position
 - Put you hand on the top side of the solenoid with one hand and turn the switch on the pressure switch on with the other hand. You should feel a click. If not you possibly have a bad solenoid. Double check with the next step **(Be sure the wire on the right side of the solenoid is disconnected)**
 - With a volt meter check the solenoid using the two different scenarios

Scenario		Left Post	Top Post	Right Post
1	Circuit breaker on Remote Switch on Pressure switch off	10-14 VDC	0 VDC	0 VDC
2	Circuit breaker on Remote Switch on Pressure switch on	10-14 VDC	10-14 VDC	10-14 VDC

PROBLEM

- If you don't get voltage on the top post in scenario #2 you have a bad pressure switch
- If you don't get voltage of the right post in scenario #2 you have a bad solenoid

6. Was the compressor running and just quit?
 - If the motor overheated (surface temp over 190F) then the thermal protector will have shut the system down until the temperature drops below 170F. This may take up to 30 minutes. **WARNING:** This is an automatic reset thermal protector- If all switches are on, and the thermal protector resets it will run without any warning. Never put hand in the box without first disconnecting the power.

MY 12-VOLT AIR SHAKES A LOT.

1. Check to make sure there is adequate belt tension. You should have anywhere from 1/4" - 3/8" movement when applying pressure to the belt directly between the motor and pump pulleys
2. Check to make sure that the motor and compressor are securely fastened to the frame. Make sure that bolts have not come loose.

MY 12-VOLT AIR RUNS BUT IS NOT ABLE TO PUMP UP ANY PRESSURE

1. Check to see if you have any external air leaks
 - Disconnect any air storage tanks and plug tank supply line and run compressor to see if pressure builds up
 - If this fixes the problem you have a leak that needs to be fixed

MY 12-VOLT AIR JUST STARTS - STOPS - STARTS - STOPS

1. You probably don't have an external air storage supply tank. The compressor is shutting down with 150 PSI in the air lines and a small leak is draining the pressure down to 125 PSI and the compressor is kicking back on to build the pressure back up to 150 PSI.

MY COMPRESSOR RUNS FAST AT BEGINNING BUT SOUNDS LIKE IT SLOWS DOWN AFTER IT HAS RUN FOR 5, 10, 15 MINUTES.**PROBLEM: BATTERY**

STEP 1 Recharge battery to make sure you have a good full charge if the problem still exists- STEP 2

STEP 2 Replace battery with a new battery. See battery facts on page 7 - if this does not fix that problem- STEP 3

STEP 3 Check your alternator.

OPTION 1- Take it to a mechanic for him to check

OPTION 2- With an DC amp meter and the vehicle running, check the wire between the battery and the alternator to see if the alternator is charging

WHEN RUNNING THE 12-VOLT AIR FOR EXTENDED PERIODS OF TIME, MY VEHICLE JUST SHUTS OFF.**PROBLEM: BATTERY**

Check the steps above to diagnose a problem

HOW DO I ADJUST MY PRESSURE SWITCH

Main Spring

Adjustment Screw A (*metal screw*)

Turn Clockwise to increase both cut-in and cut-out pressure.

Differential Pressure

Adjustment Screw B (*black plastic screw*)

Turn Clockwise to increase cut-in pressure without affecting cut-out pressure

**TESTIMONIALS**

"The 12-Voltair compressor is the best tool I have purchased for my harvest operation in years. I used it everyday for the whole 2005 season. The ability to have air anytime and without having to start a gas engine was great. This unit was easy to install and takes up very little space. I would recommend this product to anyone who needs air on a daily basis. This is a great product."

*Steve Shepherd, MN
2005-2006 President U.S.C.H.I*

"About 10 or 12 years ago I purchased one of the first air compressors that Voltair manufactured. In the summer I use it every day for all sorts of demanding jobs. Even with the extreme conditions that I have put it through, the only repairs I've made are a belt and a solenoid. I have recommended Voltair compressor's to a lot of my friends and they couldn't be happier."

Darwin Ediger, KS

"We use Voltair's 12 Voltair air compressor every day. It's the best thing I've ever had. Nobody likes flat tires, and I used to hate them, now with this air compressor, it's like a normal call. This is the best thing I've ever found. Using this tool has eliminated the most aggravation a tow truck driver has - that's flat tires and jacking up cars. I have enough air to pump everything up. I can usually fill the tire, find the leak, and still have enough air to pump it back up or change it. I can fix 4 tires with no problem and have air left over. I never run out of air. Anytime I need to contact Voltair they are quick in getting right back to me."

*Dwain Naftal, FL
Bald Eagle Towing and Recovery Inc.*

VOLTAIR VS. OASIS

Although the Oasis is able to put out higher air pressure and more cfm, it does this at the expense of your battery. Where the Oasis really shines, is in its ability to deliver short bursts of air. The 12-Voltair on the other hand is designed to be run for longer periods of time with less energy consumed. Even though the Oasis initially puts out more air, in the long run, the 12-Voltair is able to put out the same or more cubic feet of air hour after hour after hour.

They key to any air compressor is both the motor and the compressor.

MOTOR

Oasis uses a series wound motor which is similar in principal to a starter motor. By design, a series wound motor is able to put out great power for short amounts of time. Due to how this motor is built, when energized its rpm is unpredictable. A series wound motor with no load can turn at speeds up to 4500 rpm, but as a load is introduced, it will slow down considerably. A typical series wound motor is 12-15% less efficient with its use of energy than a permanent magnet motor.

Voltair uses a permanent magnet motor which is a motor designed to run as a motor for longer periods of time. By design, a permanent magnet motor when energized will run at a predictable rpm, as used in the 12-Voltair, it runs at 1800 rpm. A typical permanent magnet motor carries an efficiency rating of 80%, which is roughly 12-15% more efficient than a series wound motor.

COMPRESSOR

Oasis uses an air compressor similar to that of an air conditioner compressor, which is made up of aluminum. An air conditioner compressor, by design is meant to be used in a closed system environment. The air that this type of air compressor discharges, returns through the air intake. In this type of system, the compressor consumes oil and discharges it along with the air, but since it is in a 'closed loop' system, the compressor maintains lubrication by the air that returns through the air intake. By using this same compressor to compress air, oil that is discharged along with the air will leave the air compressor with out oil to maintain lubrication. So the oil needs to be checked daily. This compressor is directly driven by the motor which means that it will run at rpm's between 1500-2000 rpm, depending on its load.

Voltair uses a cast-iron twin-cylinder compressor to compress air. This compressor by design is able to run at speeds up to 1200 rpm, but Voltair's choice to run this compressor at only 460 rpm considerably lengthens the life of this compressor. Not only does it lengthen the life of a compressor but the 12-Voltair is significantly quieter than the Oasis.

PACKAGE

The 12-Voltair is sold with an all in-closed steel powder coated box to help protect it against the outside elements. This allows the 12-Voltair to be mounted in the back of a vehicle. The Oasis does not come standard with any type of enclosure.

Voltair is designed to provide "Air Where And When You Need It!" without needing to make any changes to your existing vehicle. One battery in most situations is adequate and there is generally no need to get a bigger alternator to allow you to use the 12-Voltair up to 50 minutes each hour after hour after hour.

In order to take advantage of the 90% duty cycle of the Oasis, you will need to add batteries as well as update the alternator. Not only this, but in most circumstances, Oasis recommends their unit to be mounted within 10 feet of the battery and closer is better.



	12-VOLTAIR	OASIS
Max PSI	150	200
CFM @ 100 PSI	6	7.5
Time it takes to fill a 10 gallon tank from 0 - 150 PSI	3 minutes	1 minute and 47 seconds
Compressor RPM	460	1500-2000
Motor (<i>check desc. to the right</i>)	Permanent Magnet Motor	Series Wound Motor
Horse Power	1	5*
Amp Draw at 100 PSI	96	150
Duty Cycle	80%	90%**
Oil Consumption on a scale of 1-10 (1 = little - 10 = lots)	0	8
Sound on a scale of 1-10 (1 = little - 10 = noisy)	5	10
Heat on a scale of 1 - 10 (1 = little - 10 = hot) - 10 Minute Test	5	10
Weight lbs	105	68
Compressor	Twin-cylinder cast iron compressor	Twin-cylinder, aluminum air-conditioner compressor
Cost	\$995	\$1075

* HP- Is figured by the following equation

$$AMPS \times VOLTS = WATTS / 746 = HP \times efficiency \text{ rating} = \text{True Horsepower}$$

$$\text{Voltair- } 96 \times 12 = 1152 / 746 = 1.54 \times 80\% = 1.23HP$$

$$\text{Oasis- } 150 \times 12 = 1800 / 746 = 2.41 \times 68\% = 1.64HP$$

Permanent Magnet Motors carry an 80% efficiency rating

Series Wound Motors carry a 68% efficiency rating

** Duty Cycle -

Voltair- 80% = 50 minutes of operation each hour after hour after hour

Oasis- 90% = 52 minutes of run time for the first hour, less the second and even less the third hour.

VOLTAIR VS. PHOENIX AIR

The Voltair develops a higher maximum pressure, that allows the air to be used more efficiently. When operating air tools, once pressure drops below 100 psi, you loose efficiency. On the compressor with this size of tank, it would take about 2-3 seconds of use with a wait of about 1 minute for the pressure to rebuild. Voltair puts out six times more volume and 25 pounds of pressure.

Duty cycle of 100% is good, but you are going to need it if you are going to continually have to wait.

The Phoenix Air is advertised at being a ¾ HP motor and is rated at 3.4 cfm. It takes 80 amps to produce 1 hp and the Phoenix draws about 30-34 amps which translates to less than ½ hp. The 3.4 cfm is true at 0 psi, but at 100 PSI the Phoenix develops about 1 cfm vs the 6 cfm of the Voltair.



	12-VOLTAIR	Phoenix Air
Max PSI	150	120
CFM @ 100 PSI	6	1.1
Time it takes to fill a 10 gallon tank from 0 - 120 PSI	1 minute 47 seconds	6 minutes
Compressor RPM	460	
Motor	1800 rpm permanent magnet motor	
Horse Power	1	3/4*
Amp Draw at 100 PSI	96	36
Duty Cycle	80%	100%
Oil Consumption on a scale of 1-10 (1 = little - 10 = lots)	0	0
Sound on a scale of 1-10 (1 = little - 10 = noisy)	5	8
Heat on a scale of 1 - 10 (1 = little - 10 = hot) - 10 Minute Test	5	6
Weight lbs	105	36
Compressor	Twin-cylinder cast iron compressor	single-cylinder, aluminum oilless
Cost	\$995	\$379

* HP- Is figured by the following equation

$$AMPS \times VOLTS = WATTS / 746 = HP \times \text{efficiency rating} = \text{True Horsepower}$$

$$\text{Voltair- } 96 \times 12 = 1152 / 746 = 1.54 \times 80\% = 1.23HP$$

$$\text{Phoenix- } 36 \times 12 = 432 / 746 = .57 \times 80\% = .46HP$$

VOLTAIR VS. GASOLINE

Honda makes a great motor, but a combustion engine requires regular maintenance. Disadvantages of owning a gasoline powered compressor include- runs out of gas, hard to start in rain or in cold temperatures, noisy and is not recommended to be operated in enclosed areas. The Voltair will run every time you flip the switch on.

History has shown that due to the size and weight of a gasoline powered compressor, it is often left behind and consequently not there when you need it. The Voltair is guaranteed to run every time the switch is flipped on. This quiet air compressor can be easily mounted in your pickup making air more accessible to use whenever, wherever.

The Voltair develops a higher maximum pressure, which will allow you to use your air more efficiently. A gasoline powered air compressor WILL develop more CFM, an advantage when you are needing large amounts of air for long periods of time. But when it comes to using air tools, the 25 pounds of extra pressure is much more beneficial.



	12-VOLTAIR	5.5 HP Puma
Max PSI	150	125
CFM @ 100 PSI	6	8.5
Time it takes to fill a 10 gallon tank from 0 - 120 PSI	1 minute 47 seconds	
Compressor RPM	460	
Motor	1800 rpm permanent magnet motor	5.5 HP Honda
Horse Power	1	5.5
Amp Draw at 100 PSI	96	GAS
Duty Cycle	80%	100%
Oil Consumption on a scale of 1-10 (1 = little - 10 = lots)	0	3
Sound on a scale of 1-10 (1 = little - 10 = noisy)	5	10
Heat on a scale of 1 - 10 (1 = little - 10 = hot) - 10 Minute Test	5	8
Weight lbs	105	205
Compressor	Twin-cylinder cast iron compressor	twin-cylinder, aluminum oilless
Cost	\$995	\$773



DEALER APPLICATION

Company Name _____

Billing Address _____

Ship To Address _____

City _____ State _____ Zip _____

Bus Phone _____ Bus FAX _____

Bus Email _____

Fed Tax ID Number _____ or SS# _____

Date Business Established _____

Type of Business _____ # Employees _____

Primary Contact _____ Position _____ Phone # _____

Sales Manager _____ Phone # _____

Acct. Payable _____ Phone # _____

CREDIT REFERENCES

Bank Reference _____ Contact _____ Phone # _____

Address _____

Reference #1 _____ City/State _____ Phone# _____

Reference #2 _____ City/State _____ Phone# _____

Reference #3 _____ City/State _____ Phone# _____

Fiscal Year End _____

\$\$ Annual Sales _____ # Sales Personal _____

Radius of Service _____ # Stores _____

LIST YOUR NETWORK OF STORES

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____

Store _____ City/State _____ Phone # _____



MARKETING TOOLS EMPLOYED BY YOUR COMPANY

New Product Announcements	<input type="checkbox"/>	Monthly	<input type="checkbox"/>	Quarterly	<input type="checkbox"/>	Yearly
Catalogs	<input type="checkbox"/>	Monthly	<input type="checkbox"/>	Quarterly	<input type="checkbox"/>	Yearly
E-Mail Publications	<input type="checkbox"/>	Monthly	<input type="checkbox"/>	Quarterly	<input type="checkbox"/>	Yearly
Other _____	<input type="checkbox"/>	Monthly	<input type="checkbox"/>	Quarterly	<input type="checkbox"/>	Yearly

INDUSTRIES YOU ARE INVOLVED IN

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Maint Management	<input type="checkbox"/> Off Road
<input type="checkbox"/> Aerial	<input type="checkbox"/> Forestry	<input type="checkbox"/> Oil Field/Gas
<input type="checkbox"/> Auto Parts	<input type="checkbox"/> Government	<input type="checkbox"/> Road Repair
<input type="checkbox"/> Catalog Firms	<input type="checkbox"/> Law Enforcement	<input type="checkbox"/> Rural Fire Dept
<input type="checkbox"/> Companies w/ Fleets	<input type="checkbox"/> Manufacture/OEM	<input type="checkbox"/> Towing Assoc.
<input type="checkbox"/> Contractor	<input type="checkbox"/> Military	<input type="checkbox"/> Truck Parts
<input type="checkbox"/> Crane	<input type="checkbox"/> Mobile Detailing	<input type="checkbox"/> Other _____

I understand that Voltair, Inc. reserves the right to terminate my dealership based on misrepresentation of product, alterations to product, unsatisfactory customer service, failure to communicate customer problems with product or other conflicts of interest. Furthermore, any pricing listed on ads, flyers or other promotional items must be M.S.R.P.

Signature *Date*

12-VOLTAIR

"Air Where And When You Need It!"
Henderson, NE Tech Support (802) 723-4083 www.12-voltair.com



- The **12-Voltair®** is a rugged air compressor
- "Air Where And When You Need It!" – hour after hour
- Finest 1800 rpm, thermal protected permanent magnet motor on the market
- Heavy Duty 'cast-iron' twin cylinder, oil-lubed compressor runs at only 470 rpm
- Positive gear belt drive system
- All steel powder coated cabinet
- In business since 1990*
- FULL One Year Warranty*

MODEL #	12V6CF
VOLTAGE	12 VDC
HP	1
AMP DRAW @ 100 PSI	90 amps
DUTY CYCLE @ 90° F	80%
CFM @ 50 PSI	10
CFM @ 100 PSI	6
Fills a 10 gal. tank 0-150 PSI	00:02:55
Recovers a 10 gal. tank from 130-150 PSI	00:00:35

•A 100 amp alternator will charge 35-40 amps at a vehicle idle

•Motor has a 2000 hour life

•A permanent magnet motor carries a 80% efficiency rating

•Dimensions 19"H x 18.25"W x 8.25"D

•Weight 108 lbs

Here is what our customers have said...

Owning this 12-Voltair® has eliminated most frustrations that I am faced with as a tow truck driver. Dwain, FL.

The unit was easy to install and it takes up very little space... Steve, MN

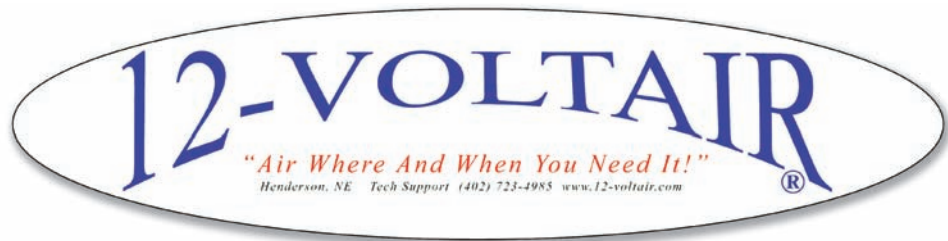
I purchased my 12-Voltair® 12 years ago and it is still working with the only repairs being a solenoid and a belt. Darwin, KS

I would recommend the 12-Voltair® to anyone who needs air on a daily basis. Gary, TX



Distributed By:

Voltair, Inc. www.12-Voltair.com
 Call us at (925) 258-9909 to find a dealer near you!



ACCESSORY PACKAGE AT JUST \$340 AND UNDER

WHATS IN THE KIT

- 1- Qt synthetic compressor oil
- 1- 5' air hose to connect compressor to tank
- 1- 18" cable to connect circuit breaker to battery
- 1- 28' cable to connect circuit breaker to compressor and enough left over to run a short ground cable to the frame of the vehicle
- 1- 150 amp circuit breaker
- 1- 0-300 psi air pressure gauge
- 1- 20-120 psi tire gauge
- 2- Quick couplers
- 1- 1/4" male and female hose coupler
- 1- tapered rubber nozzle
- 1- adapter with inflation needle
- 1- tire chuck
- 1- blow gun
- 2- 1/4" NPT male quick connector
- 2- 1/4" NPT female quick connector
- 1- 25' Recoil air hose
- 1- Tank of your choice (6-12 gallons)
- 1- 1/4 petcock to drain water from air storage tank
- Misc. fittings to plug unneeded holes

Package A includes all the above for just \$330
 Package B is marked with * for just \$260

