

Air Compressor

3 hp



SKU

495037



About PELA Tools:

PELA Tools is a carefully selected range of tools, machines and equipment for both professionals and DIY's. The brand was founded 2003 and originates from the well-established hardware store Verktysboden which has been supplying tools to the Swedish market for almost two decades.

We look forward to making new contacts!

The idea behind PELA Tools was for us to be able to further develop all the tools, machines and equipment that we sell and most important of all, to skip all the intermediaries and keep as low price as possible on high quality products. As the results show that was clearly the right choice.

Warranty:

We always give 1 year warranty from purchasing date on fabrication or material defects. Save your delivery note as a certificate. The item must not have been subjected to abnormal use or neglect and the warranty does not cover consumables or parts that wear. The warranty does not apply as an insurance if the fault occurred by an accident or as a result of ignoring maintenance and service instructions. PELA Tools reserves the right to repair or replace the product.

Claims:

If you discover that your item has a fabrication deficiency you must notify PELA Tools within a reasonable time, which is considered to be as long as two months after discover. If warranty has expired you as customer must be able to proof that the deficiency was there initial.

Contact:

PELA Tools
Solängsvägen 13
SE-513 70 Borås
E-mail: order@pelatools.com



Environmental protection / Scrapping

Recycle any unwanted material, do not throw it in the household rubbish. All, machines, accessories and packaging must be sorted and left at a recycling center and disposed of in an environmentally friendly manner.



- Wear suitable work clothes and non-slip shoes for the purpose. Use hair nets if you have long hair, do not wear jewelry or loose-fitting clothing that can get caught.
- Never allow your habit of the machine lead to carelessness.
- Check that all safety measurements are in place and in good working order. Check that all machine parts are intact and are correctly mounted.
- Do not use a defective machine. Return it to an authorized service workshop for repair.
- Use only recommended accessories and spare parts. Any repairs and cable replacement must be carried out by a qualified electrician to avoid danger.
- Only use the machine for the intended area of use. The work is always safer and faster if the machine is used for what it is designed for. Do not exceed the capacity of the appliance.
- Prevent unintentional start-up by disconnecting the power supply before service and repair or when the machine is not in use. Never leave a machine unattended when the power is on.
- Clean the machine after use and service it regularly. Store the machine in a dry and protected place, out of the reach of children.
- Handle cables carefully and protect them from heat, oil and sharp edges. Extension cable must not be wound on a reel, pull the entire cable out of the cable reel. Use only correctly dimensioned extension cables with regard to length and cable area in relation to the current drawn.
- Avoid contact with earthed surfaces. The risk of electric shock increases when you are grounded

Safety instructions for compressors

- The compressor is not intended for outdoor use.
- The compressor must be used in suitable environments (with good ventilation and an ambient temperature of between 0 ° and + 40 ° C) and never where dust, acids, vapors, explosive or flammable gases are present.
- Always maintain a safety distance of at least 4 meters between the compressor and the working area.
- Connect the plug to a grounded electrical outlet with the correct voltage and frequency that meets current regulations.
- Only use correctly dimensioned extension cables with regard to length and cable area in relation to the current drawn. We advise against using extension cables of different lengths or adapters and branch sockets. Always and only use the pressure switch switch to switch off the compressor.

- Do not switch off the compressor by pulling the plug out of the socket to avoid restarting with pressure in the block.
- Always and only use the handle to move the compressor.
- When the compressor is in operation, it must be placed on a stable and horizontal surface to guarantee correct lubrication.
- Place the compressor at least 50 cm from the wall to allow optimal air circulation and guarantee correct cooling.
- Never aim the air jet at people, animals or your own body (wear safety goggles to protect your eyes from foreign particles that can be inflated by the air jet).
- Never point a jet of liquid from a tool connected to the compressor at the compressor itself.
- Do not use the machine if you are barefoot or if you have damp hands and feet.
- Do not pull on the power cord to unplug the power cord or to move the compressor.
- Make sure that the machine is not exposed to weather and wind (rain, sun, fog or snow).
- Do not transport the compressor with a pressurized air tank.
- Do not perform welding or mechanical work on the air container. In the event of defects or rust on the air tank, it must be replaced in its entirety.
- Do not allow the compressor to be used by inexperienced persons. Children and animals must be kept at a safe distance from the compressor.
- Do not place flammable objects or objects made of nylon or textile in the vicinity and / or on the compressor.
- Do not clean the machine with flammable liquids or solvents. Use only a damp cloth and make sure you have unplugged it.
- The compressor is designed to compress air. The machine must not be used for any other type of gas.
- The compressed air obtained from this machine cannot be used to fill oxygen tubes for diving.
- Do not use the compressor without protection and do not touch moving parts.
- This compressor is designed to operate with an intermittent factor to avoid overheating of the electric motor. (Operating cycle 50% means, for example, 5 minutes of operation and 5 minutes of stopping). **The compressor should not be used for more than 15 minutes at the time.** If the temperature become too high, the motor's overheating protection trips and automatically shuts off the voltage. Allow the machine to cool before restarting.

- To facilitate the restart of the machine, it is important to press the pressure switch button so that it is first in the off position and then again in the on position. The machine is equipped with a pressure switch with a vent valve with delayed closing (or a valve located on the non-return valve) which simplifies the start of the engine and it is therefore normal for air to blow out of the vacuum container for a few seconds.

- When connecting a compressed air tool to a compressed air hose from the compressor, it is absolutely necessary to interrupt the air flow from the compressed air hose.

- When using compressed air for different areas of use (air pumping, compressed air tools, painting, cleaning with water-based cleaners, etc.), the user must respect and have good knowledge of the applicable safety regulations for each area of use.

Start and use

- Start by fitting wheels, the air cylinders of both cylinders and the crankcase ventilation / oil plug.



- Note before starting that the oil level must be checked! Always be sure to check the oil level, it should be kept in the middle of the transparent inspection glass. On some models, the oil level is checked with an oil dipstick. If necessary, top up with compressor oil (in cold rooms top up with SAE 20 oil and in warm rooms top up with SAE 30 oil).

- Check that the electrical installation data matches the data specified on the compressor nameplate.

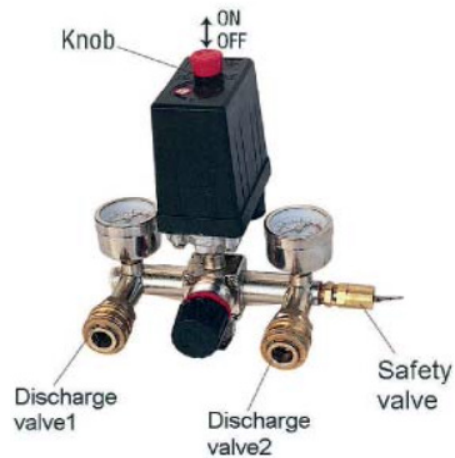
- Check that the button on the pressure switch located on the compressor is in the OFF position, then connect the plug of the supply cable to a grounded electrical outlet.

- In this mode, the compressor is ready for use.

- When you switch on the pressure switch, the compressor starts and pumps air into the tank. When the value for maximum operating pressure (set by the factory during the test run phase) is reached, the compressor stops and empties the remaining air that is in the block and in the supply pipe via a valve located under the pressure switch. This simplifies the next start, as there is no pressure. When using air, the compressor restarts automatically when the lower calibration value is reached (there is a difference of about 2 bar between the

upper and lower calibration value). The pressure in the air tank can be checked using the manometer.

- The compressor automatically continues to operate with this cycle until the pressure switch switch is depressed. If you want to start the compressor immediately after it has been switched off, wait at least 10 seconds before restarting it.



- The compressor is equipped with a pressure regulator. Using the knob (pull it outwards and turn clockwise to increase the pressure and turn counterclockwise to reduce the pressure) the air pressure can be regulated to optimize the use of the compressed air tools. When the desired value has been set, push the knob inwards to block it.

- You can check the set value on the manometer.

- Check that the air consumption and maximum operating pressure of the tool match the setting on the pressure regulator and the performance of the compressor.

- Switch off the machine, unplug it and empty the air tank when the work has been completed by opening the drain valve.

Corrosion must be prevented, depending on the conditions of use, condensation may have accumulated inside the tank, which means that it must be emptied every day. You can do this by opening the drain valve on the tank.

A periodic service inspection of the air tank must be performed as the internal corrosion can reduce the thickness of the steel wall, which can lead to the tank bursting. All applicable local regulations must be followed. When the wall thickness reaches the minimum value indicated on the tank type plate (C), the lower air tank must not be used.

- The service life of the air tank depends mainly on the working environment. Avoid installing the compressor in dirty or corrosive environments, as this can drastically reduce the life of the vessel.

- Do not anchor the vessel or connected components directly on the ground or on fixed structures. Equip the pressure with vibration dampers.

Use the container within the pressure and temperature limits indicated on the nameplate.

- The vessel must not be altered, either by welding, drilling or other mechanical processing methods.
- The service life of the machine depends on how carefully perform the maintenance procedures.
- Before carrying out any operation, set the pressure switch to the "OFF" position, pull out the plug and empty the air tank completely.
- Check that all screws are tightened (especially the bolts on the compressor cylinder head cover) before starting the compressor for the first time. Check at regular intervals.

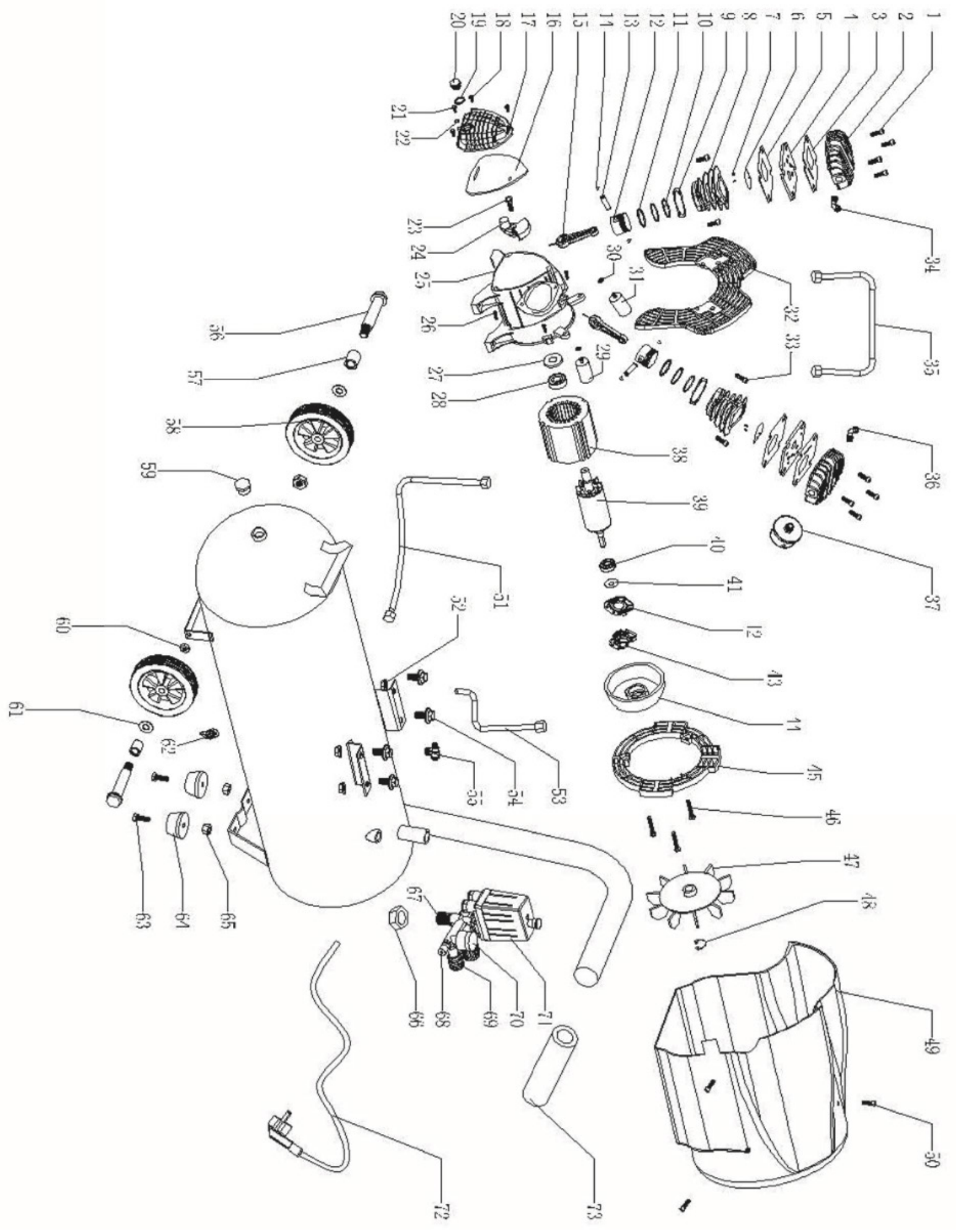
| TIGHTENING OF CYLINDER HEAD BOLTS | | |
|--|--------------------------------|--------------------------------|
| | MINIMUM TORQUE [NM] | MAXIMUM TORQUE [NM] |
| M6 | 9 | 11 |
| M8 | 22 | 27 |
| M10 | 45 | 55 |
| M12 | 76 | 93 |

- Clean the intake salt regularly depending on the ambient conditions, but at least every 100 hours of operation. Replace the filter if necessary
- Change the oil after the first 10 operating hours and then every 120 operating hours. Check the level regularly.
- Use mineral oil SAE 30 (In cold climates, SAE 20 is recommended), do not mix different grades. If the oil color changes (white = water in the oil, dark = overheated), it is recommended to change the oil immediately.
- Tighten the filler plug firmly and check that there is no leakage during operation. Check the oil level once a week to ensure that the lubrication is done correctly.
- Both the consumed oil and the condensate must be disposed of in accordance with current environmental protection regulations and laws.

Information on disposal and recycling of this product

Information on disposal

The compressor must not be disposed of with normal household waste. Contact your local authority for further information on waste management that consists of or contains electrical or electronic components.



PARTS ILLUSTRATION

| NO | Designation | Qty | NO | Designation | Qty |
|----|--------------------------------------|-----|----|--|-----|
| 1 | BoltM6x55 | 4 | 38 | stator | 1 |
| 2 | cylinder head | 1 | 39 | rotor | 1 |
| 3 | cylinder head gasket | 2 | 40 | brearing 6202 | 1 |
| 4 | valve plate | 2 | 41 | wave washer D35 | 1 |
| 5 | valve plate gasket | 2 | 42 | Leave the heart switch scaleboard | 1 |
| 6 | valve clack | 2 | 43 | Leave the heart switch | 1 |
| 7 | Sell the son | 4 | 44 | The electrical engineering cover | 1 |
| 8 | cylinder | 2 | 45 | Lead the breeze cover blocks the plank | 1 |
| 9 | cylinder gasket | 2 | 46 | bolt M5x30 | 6 |
| 10 | piston ring | 4 | 47 | Breeze leaf | 1 |
| 11 | Oil wreath | 2 | 48 | Block the turn 14 | 1 |
| 12 | piston | 2 | 49 | Lead the breeze cover | 1 |
| 13 | piston pin | 2 | 50 | From offend the bolt ST4.8x16 | 5 |
| 14 | circlip | 4 | 51 | The high pressure tube | 1 |
| 15 | conncting rod | 2 | 52 | Nut M8 | 4 |
| 16 | rubber gasket | 1 | 53 | Unload the lotus tube | 1 |
| 17 | crank case cover | 1 | 54 | The outside is hexangular bolt M8x25 | 4 |
| 18 | bolt M5x16 | 6 | 55 | One-way valve | 1 |
| 19 | oil leveler gasket | 1 | 56 | Axle | 2 |
| 20 | oil leveler | 1 | 57 | Axle set | 2 |
| 21 | bolt M6x10 | 1 | 58 | Wheel | 2 |
| 22 | O circlip $\phi 5.6 \times \phi 1.8$ | 1 | 59 | Block up the head | 2 |
| 23 | hex bolt M8x22(left) | 1 | 60 | Nut M10 | 2 |
| 24 | crank | 1 | 61 | Even mat | 4 |
| 25 | crank case | 1 | 62 | The catchment fill | 1 |
| 26 | bolt M6x40 | 8 | 63 | The outside is hexangular bolt M8x25 | 2 |
| 27 | sealing ring | 1 | 64 | Rubber mat | 2 |
| 28 | brearing 6204 | 1 | 65 | Defend the loose nut M8 | 2 |
| 29 | Start the electric capacity | 1 | 66 | Combine the tight nut | 1 |
| 30 | Nut M8 | 2 | 67 | The support is total to become | 1 |
| 31 | Revolve the electric capacity | 1 | 68 | Safe valve | 1 |
| 32 | Prop up the plank | 1 | 69 | Quickly change to deal with contact | 2 |
| 33 | bolt M8x25 | 4 | 70 | Manometer | 2 |
| 34 | Direct shipping links | 1 | 71 | Pressure switch | 1 |
| 35 | Connect the connector | 1 | 72 | Plug line | 1 |
| 36 | Curved head of right angle | 1 | 73 | Rubber hand handle | 1 |
| 37 | Eliminate the sound machine | 2 | 74 | | |

| ITEM | DATA |
|---------------------------|-------------------|
| Model..... | VZB-0.14/8-VFL-50 |
| Power | 2.2Kw/3HP |
| Voltage..... | 230V |
| Frequency..... | 50Hz |
| Motor Poles | 2P |
| Rated Speed..... | 2850 r/min |
| Current..... | 10A |
| Theoretic Discharge | 14.6CFM |
| Discharge Pressure | 115PSI/0.8MPa |
| Restart Pressure..... | 80 PSI/0.55MPa |
| Tank Capacity | 50L |
| Dimensions..... | 77×38×75cm |
| Air Outlet Size..... | 1/4" |
| Net Weight..... | 43.2kg |



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