



Compressor User Manual Type CP63P4T135B12



Read this manual carefully before using the compressor.

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1. Saving the user manual

Keep this user manual carefully. The information in this document may be required for installation, use, maintenance, or troubleshooting. Always keep the manual accessible for future reference. This user manual contains important safety instructions and legal information. Retain the document for the entire lifespan of the product. Always include the manual when the product is resold, transferred, or moved. It is mandatory to keep this user manual in a centrally accessible location. Employees working with this product must have access to the most recent version of this documentation at all times.



Dispose of electrical appliances in an environmentally friendly manner. Do not throw electrical appliances in with household waste. In accordance with European Directive 2012/19/EU on electronic equipment, they must be collected separately for recycling. Contact your local authorities for available disposal options for your worn-out appliance.

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2. Safety instructions

- Read and understand the manual before using the compressor.
- Keep the manual carefully for future use.
- Keep the manual clean and dry.
- The compressor may only be installed by an authorized person.
- Check the voltage before connecting.
- Ensure that the manual remains available with the machine (also upon resale).
- Always wear personal protective equipment such as safety glasses.
- The compressor may only be serviced by qualified personnel.
- Contact with hot surfaces can cause burns, do not touch.
- The compressor can start automatically.
- Use the compressor only in a dust-free, dry, and well-ventilated area.
- Do not use the compressor in explosive environments.
- Keep the work environment clean and well-lit.
- Do not use the compressor in high humidity or rain.
- Ensure adequate ventilation and a suitable temperature.
- Check that the power supply voltage matches the specifications.
- Use a properly grounded outlet.
- Use a suitable power cable to prevent voltage loss.
- Switch off the compressor and unplug it before maintenance.
- Use the compressor only according to the specifications.
- Never direct the air outlet at people.
- Do not use damaged parts.
- Do not run the compressor unattended.
- Ensure that all protective caps are fitted.
- Ensure the compressor is stable and balanced.
- Move the compressor only when it is switched off and disconnected.
- Use handles and wheels correctly.
- Switch off the power and release the pressure before maintenance.
- Have maintenance and repairs carried out by qualified personnel.
- Regularly check the safety valve, air filters, and connections.
- Replace damaged parts immediately.
- Check that there is no pressure in the tank before maintenance.
- Never open parts that are under pressure.
- Clean or replace air filters regularly.
- Have the tank checked and cleaned periodically.
- Drain condensation from the tank regularly.
- The compressor switches off automatically in the event of overheating or voltage problems.
- Let the compressor cool down before starting it again.
- Do not use the compressor under unsuitable voltage conditions.
- Use the compressor only for its intended purpose.
- Prevent unauthorized persons from operating the machine.
- Check all connections and fastenings before use.
- Do not use a compressor with defective safety devices.

3. Symbols



Read the user manual before use.



Wear ear protection when using.



Wear eye protection when using.



Warning: Electrical voltage.

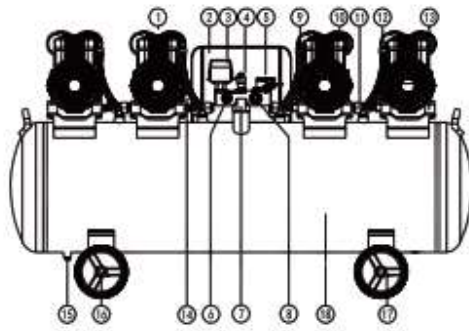


Warning: Hot surface. Contact may cause burns.



Warning: Automatic startup.

4. Assemblage

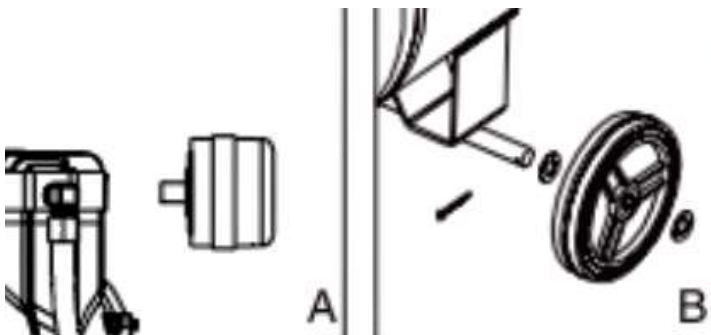


- | | | | |
|----|------------------|----|-----------------|
| 1 | Motor | 11 | Check valve |
| 2 | Control Box | 12 | Knee joint |
| 3 | Pressure Switch | 13 | Vibration |
| 4 | Safety Valve | 14 | damper |
| 5 | Pressure Gauge | 15 | Solenoid valve |
| 6 | Ball Valve | 16 | Drain valve |
| 7 | Mounting Bracket | 17 | Wheel Split pin |
| 8 | Quick Connector | 18 | Air tank |
| 9 | High-Pressure | | |
| 10 | Line Air Filter | | |

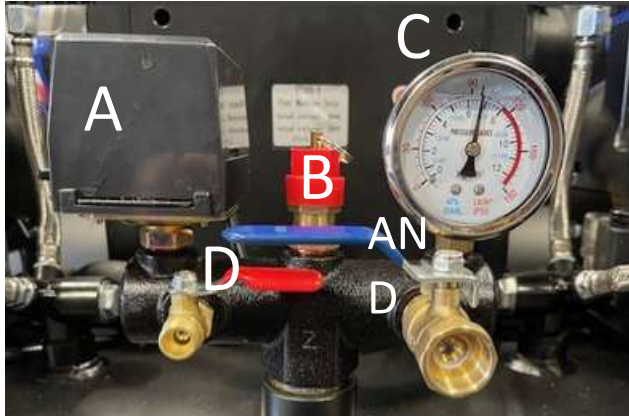
5. Montage

Install the air filter (Fig. A).

Install the wheel (Fig. B).



6. Ministry



- A) Pressure switch
- B) Air vent or safety valve
- C) Manometer (pressure gauge)
- D) Ball valve
- E) Ball valve

6.1. Push button switch :

The pressure switch switches the compressor automatically:

- ON at low pressure (cut-in)
- OFF at set maximum pressure (cut-out)

Manual operation (red lever)

- Position ON → compressor can start automatically
- OFF position → compressor completely switched off

6.2. Safety valve:

The safety valve is primarily used to keep the air pressure stable. When the air pressure exceeds 12 bar, the pressure is automatically released to protect user safety.

Caution: the safety valve must not be used to release pressure. Regularly pulling off the safety valve can damage the valve.

6.3. Pressure gauge:

During normal operation, the air compressor is automatically controlled by a pressure switch. When the pressure reaches the maximum value, it stops automatically, and when the pressure drops to the starting pressure, it starts automatically. The operating pressure of the pressure switch is factory set and cannot be adjusted as desired during operation. The pressure is displayed by the manometer.

6.4. Display

The panel monitors and controls the operation of the compressor, such as:

- Start/stop
- Protection against malfunctions (overpressure, temperature, etc.)
- Settings and notifications

6.4.1 Controls

The compressor is easy to operate via the clear control panel. The buttons allow the compressor and individual pumps to be switched on or off as needed. By using only the necessary pumps, energy consumption is optimized and electricity costs can be saved efficiently.



- **Power button (red)**
→ Turn compressor on/off
- **1# button**
→ pump 1 on/off
- **2# button**
→ pump 2 on/off
- **3# button**
→ pump 3 on/off
- **4# button**
→ pump 4 on/off

6.4.2 Starting up

1. Ensure that all pipes are connected correctly.
2. Turn on the main switch of the machine.
3. Press the red power button.
4. Wait until the display starts up.
5. The compressor starts automatically or manually depending on the setting.

6.4.3 Disable

1. Press the power button.
2. Wait until the compressor stops completely.
3. Switch off the main power supply if necessary.

7. Connect

Connect the compressor to a suitable 3-phase power supply (400V).

Connect the power cable to L1 – L2 – L3 and earth (PE) in accordance with applicable electrical regulations.

NOTE:

The diameter of the power cable must comply with the requirements in the manual or on the nameplate, and the cable length must not exceed 10 meters. The power cable must be grounded.

If the input voltage is too low or too high, the machine will automatically adjust the voltage and activate overvoltage protection; in that case, switch off the power supply and use the input voltage specified on the nameplate.

If the electrical control box displays “999” after the power is switched on, this means the power supply is connected incorrectly and the motor is in a phase reversal condition to prevent reverse rotation. Swap phases L1, L2, and L3 to change the direction of rotation. The user must not modify the connection between the motor and the electrical control box, otherwise the machine may be damaged.

8. Moving

Before moving the compressor, ensure the switch is off and the plug is removed from the socket. Grasp the handle, lift the compressor, and move it to the desired position. Then release the handle and ensure the compressor is standing on a level surface.

Note: ensure you have a firm footing and ask for help if necessary.

9. Maintenance measures and maintenance

9.1 Maintenance measures

1. Before disassembling the machine, switch off the power, wait until the compressor has cooled down, and ensure that the air tank is depressurized.
2. During maintenance, fasteners must be tightened; if damaged, they must be replaced with new parts.
3. After maintenance, the fan must be manually rotated after installation to check for deviations.
4. **Please note: the fan blows air inwards when the motor is running.**

Warning:

Before performing maintenance, you must switch off the power and ensure that the air tank is depressurized; otherwise, this may cause injury.

9.2 Maintenance

- Clean and maintain the machine regularly.
- If the power cable is damaged, it must be replaced by the manufacturer, the service department, or a qualified person to prevent danger.
- Open the drain valve to drain water daily or after each use. During draining, the pressure in the tank must be lower than 1 bar.
- Check weekly whether the safety valve is functioning properly by briefly opening the valve and checking if it closes correctly.
- It is recommended to:
 - * to clean the air filter with compressed air every 200 operating hours
 - * to replace the air filter every 500 operating hours
 - * to replace the cylinder and piston rings every 2,000 operating hours
- These intervals can be adjusted to actual usage.
- The air tank must be pressure tested every **2 years** and inspected annually.
- The tank must be replaced in the event of severe rust, damage, or failure of the pressure test.
- Check whether the vibration dampers need to be replaced in case of strong vibrations.

10. Specifications

- Power supply 400V
- Engine power 4x 2.15 pk
- Frequency 50 Hz
- Tank capacity 135L
- Number of cylinders 4
- Engine speed 1400 RPM
- Air output@0bar 640 L/min
- Air output@4bar 560 L/min
- Air output@8bar 480 L/min
- Air output@12bar 400 L/min
- Workload max 12 bar
- Sound level 75 dB
- Net weight 115 kg

10. Problem

Solution

The engine does not start and makes no sound.

- No power
- Push switch is off
- Overload protection active
- Pressure switch defective
- Starter defect

- Check plug and power supply
- Set the red lever to the correct position
- Let cool down and press reset button
- Replace
- Replace

Engine does not start or starts slowly (humming sound)

- Low voltage
- Short circuit or interruption of the motor
- Check valve or pressure switch defective

- Ensure good ventilation / proper nutrition
- Contact the point of sale
- Contact the point of sale

Overload protection keeps switching off

- Low voltage
- Poor ventilation / high temperature

- Check voltage (max. 10% deviation)
- Improve ventilation / environment

Fan problem

- Incorrect assembly

- Check and assemble correctly

Pressure loss in tank

- Leakage at connections
- Aftapkraan open of los
- Check valve is leaking

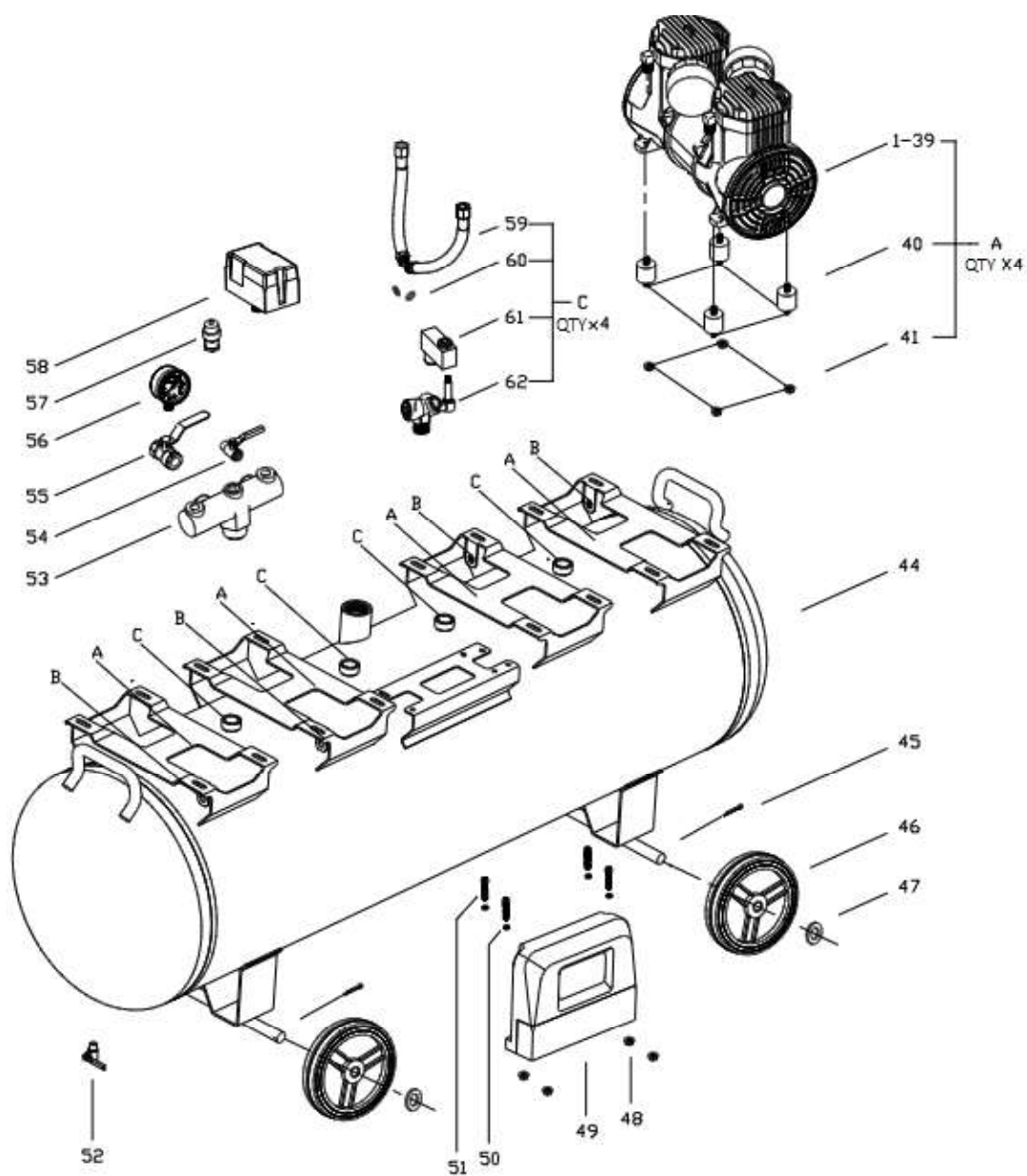
- Check and tighten connections
- Tighten
- Clean or replace

Air too humid

- Water in tank / high humidity

- Drain tank / use a drier environment

11. Parts drawing



6.11.1 Parts List

No.	Code	Description
1	PCP63P4T135B12-01	Fan cap
2	PCP63P4T135B12-02	Screw (for fan cover)
3	PCP63P4T135B12-03	Screw (for fan)
4	PCP63P4T135B12-04	Left fan
5	PCP63P4T135B12-05	Screw (for connecting rod)
6	PCP63P4T135B12-06	Screw (for crankcase)
7	PCP63P4T135B12-07	Crankcase
8	PCP63P4T135B12-08	Bearing 6006
9	PCP63P4T135B12-09	Drive shaft
10	PCP63P4T135B12-10	Screw (for drive shaft)
11	PCP63P4T135B12-11	Crankcase (left)
12	PCP63P4T135B12-12	Bearing 6203
13	PCP63P4T135B12-13	Rotor
14	PCP63P4T135B12-14	Stator
15	PCP63P4T135B12-15	Crankcase (right)
16	PCP63P4T135B12-16	Mains connection (ESP)
17	PCP63P4T135B12-17	Grounding screw
18	PCP63P4T135B12-18	Fan
19	PCP63P4T135B12-19	Screw (for motor)
20	PCP63P4T135B12-20	Right fan
21	PCP63P4T135B12-21	Piston
22	PCP63P4T135B12-22	Pressure plate
23	PCP63P4T135B12-23	Screw plug
24	PCP63P4T135B12-24	Cylinder
25	PCP63P4T135B12-25	Screw (for air valve)
26	PCP63P4T135B12-26	Metal mounting plate
27	PCP63P4T135B12-27	Air valve
28	PCP63P4T135B12-28	Cylinder O-ring
29	PCP63P4T135B12-29	Valve plate
30	PCP63P4T135B12-30	Air valve
31	PCP63P4T135B12-31	Restricted block
32	PCP63P4T135B12-32	Screw (for valve plate)
33	PCP63P4T135B12-33	Cylinder cover O-ring
34	PCP63P4T135B12-34	Elbow (connector)
35	PCP63P4T135B12-35	Air filter
36	PCP63P4T135B12-36	Left cylinder head
37	PCP63P4T135B12-37	Right cylinder head
38	PCP63P4T135B12-38	Screw (for cylinder head)
39	PCP63P4T135B12-39	Spring ring (circlip)
40	PCP63P4T135B12-40	Shock absorber

No.	Code	Description
41	PCP63P4T135B12-41	Screw (for shock absorber)
44	PCP63P4T135B12-44	Air filter
45	PCP63P4T135B12-45	Cotter pin (split pin)
46	PCP63P4T135B12-46	Wheel
47	PCP63P4T135B12-47	Flat gasket
48	PCP63P4T135B12-48	Motor (for controller)
49	PCP63P4T135B12-49	Regulator
50	PCP63P4T135B12-50	Spring washer
51	PCP63P4T135B12-51	Bolt (for controller)
52	PCP63P4T135B12-52	Drain valve
53	PCP63P4T135B12-53	Switch bracket
54	PCP63P4T135B12-54	Ball valve
55	PCP63P4T135B12-55	Ball bearing
56	PCP63P4T135B12-56	Pressure gauge
57	PCP63P4T135B12-57	Safety valve
58	PCP63P4T135B12-58	Pressure switch
59	PCP63P4T135B12-59	High-pressure line
60	PCP63P4T135B12-60	High-pressure line O-ring
61	PCP63P4T135B12-61	Solenoid valve
62	PCP63P4T135B12-62	

12. Warranty

Warranty Terms and Conditions

1. This warranty shall enter into force on the date stated on the original purchase invoice and shall remain valid for a period of twelve (12) months.
2. This warranty is non-transferable unless prior written consent has been obtained from the supplier.
3. Warranty claims will not be accepted without presentation of the original purchase invoice.
4. This warranty shall apply exclusively provided that the product has been used in full compliance with the instructions contained in the user manual and solely for its intended purpose.
5. No alterations, modifications, or technical changes may be made to the product.
6. This warranty shall be void in the event of improper, negligent, or incorrect use of the product.
7. Transportation, shipping, and related costs are expressly excluded from this warranty.
8. Any repair work must be carried out exclusively by the supplier or an authorised service partner. Repairs performed by unauthorised third parties shall immediately void all warranty rights.
9. Repairs performed during the warranty period shall not result in an extension of the original warranty period. However, a separate warranty period of three (3) months shall apply to the repaired components, provided that the original warranty period has expired.
10. All maintenance and servicing operations described in the user manual must be performed in a timely and proper manner. Failure to do so may result in the warranty becoming void.
11. Warranty claims may only be submitted to the original point of sale at which the product was purchased.

EU Declaration of conformity – Konformitätserklärung - Declaration de conformité

Wij, Valkenpower BV, Haverkamp 11, 6051 AC Maasbracht, Nederland, verklaren geheel onder eigen verantwoordelijkheid dat het product

We, Valkenpower BV, Haverkamp 11, 6051 AC Maasbracht, Nederland, declare under our sole responsibility that the product described below

Wir, Valkenpower BV, Haverkamp 11, 6051 AC Maasbracht, Nederland, erklären in alleiniger Verantwortung, dass das nachfolgend beschriebene Produkt

Nous, Valkenpower BV, Haverkamp 11, 6051 AC Maasbracht, Nederland, déclarons sous notre seule responsabilité que le produit décrit ci-dessous

Type	Beschrijving	Merk
Model	Description	Brand
Art	Beschreibung	Marke
Tipe	Description	Marque
CP63P4T135B12	Air Compressor	Airpro

Waarop deze verklaring betrekking heeft, in overeenstemming zijn met de volgende normen:

To which this declaration relates is in conformity with the following Directives:

Auf dem sich diese Erklärung bezieht, mit dem folgendem Dokument übereinstimmt:

Auquel se réfère cette déclaration est conforme à le document suivant:

De machinerichtlijn:Following the provisions of the following Directives:Gemäß den Bestimmungen der Richtlinie:Conformément aux dispositions de la Directive:

2006/42/EG 2014/30/EU

Normen: **EN ISO 12100:2010; EN 1012-1:2010; EN 60204-1:2018; EN IEC 61000-3-2:2019; EN IEC 61000-3-3:2013+A1:2019; EN 61000-6-1:2019; EN 61000-6-3:2021**

Serienummer:
Serial number:

Directeur Valkenpower

B.A.H Valkenburg

Nederland, Maasbracht, 30-03-2026