

Operation Manual

Air Compressor

61017



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

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To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

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Introduction


Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Operating and safety notes

- Before commissioning the compressor, it is necessary to read the operating manual thoroughly.
- The compressor should be placed in a dry and aired room. Keep the device away from flammable objects and chemicals.
- The time of non-use should not exceed two years. If the time of non-use is longer, the compressor should be turned on approximately every 4 weeks for approximately 15 min.
- Before using the compressor, it is necessary to carry out the required maintenance works and check-ups.
- Drops and shocks should be avoided. The compressor needs to stand on a stable and even ground. It must not stand sloped during transport or use.
- Make sure that all open connections are closed with protective caps during transport to avoid pollutants and water from entering.
- To ensure a good performance, the compressor should stand in an aired, clean, and cool area. Dusty or dirty air as well as high temperatures in the surrounding need to be avoided.
- Make sure that the compressor is switched off before connecting it to the electricity. After connecting it, it can be switched on. The voltage must not exceed or fall below the nominal voltage by more than 10 %.
- The air compressor must not get wet. To avoid damages, it must not be placed in a wet area.
- Do not touch any hot components such as cylinder head, exhaust pipe, and check valve to avoid burns.
- The electrical cable needs to comply with the power requirement. The cable must not be too long, otherwise it affects the starting procedure and the performance of the air compressor.
- Do not store the compressor outside and protect it from direct sun light.

 **Warning:** Disconnect the power supply and drain the system before attempting to install, transport, or service it! Follow all local electrical and safety regulations!

 **Caution:** Never use an extension cord with this product. Use an additional air hose instead of an extension cord to avoid outages and permanent engine damage. The use of an extension cord will void the warranty.

Technical data

Power (W)	750
Electricity supply	230 V ~ 50 Hz
Rated speed ($\frac{1}{\text{min}}$)	1415
Flow rate ($\frac{1}{\text{min}}$)	98
Max. working pressure (bar)	8 (115 psi)
Tank capacity (l)	24
Net weight (kg)	20



Use

- Start the compressor by turning the switch to “**on.**” If the compressor fails to start, please release the air of the tank till the pressure decreases to 4 bar (0.4 MPa). Then the compressor will start.
- In Order to stop it, turn the switch to “**off,**” then cut the power supply off and the machine will stop running.
- There is a safety valve installed on the switch. When the pressure in the air vessel exceeds 8 bar (0.8 MPa), the safety valve will start an alarm and release air. When the alarm turn son, please check the pressure switch. Make sure the pressure switch works under the rated working pressure.
- When using the oil-water separator: After switching the compressor off, please use your finger to press the needle below the oil-water separator to discharge the dirty water within the separator.
- The air pressure can be adjusted by the button on the oil-water separator. Turn the knob clockwise to increase the air pressure and turn it counter-clockwise to reduce the air pressure until the air source has turned off.
Note: When turning the knob has reached the end, do not force it to turn even more. Otherwise, it will cause damage.
- If you want to adjust the working pressure of the pressure switch, please remove its cover and adjust the turning screw within. Turn it clockwise to increase the air pressure and turn it counter-clockwise to decrease it
- **Note:** Always pull the plug to disconnect the compressor from the power supply, before any kind of adjustments or repairs/maintenance work is carried out.


Repairs and maintenance

Any maintenance work must only be executed after the power supply is disconnected and the compressed air is released thoroughly from the tank. **Non-compliance can lead to serious injury!**

- Always keep the machine clean and clean it regularly.
- Drain dirty water within the tank at least once a week. When draining the water from the tank, make sure that the pressure within the tank is below 0.1 MPa.
- Check frequently if the safety valve is still sensitive or not. The safety valve must be able to release the air easily. Pull the shaft down, to reset it.
- The air filter should be cleaned or replaced every 500 hours. Simultaneously take out the air valve and clean it as well. When the air delivery volume is much less than the rated one, please check if the air filter is blocked. Also check whether all connections are still tight. Check for leakages as well. If the piston rubber bowl is worn because of dust, replace it.
- The compressor vessel must be tested every two years. Also check the outside. If there are any rusty spots on the tank or if the tank fails to pass the pressure test, the tank must be scrapped.

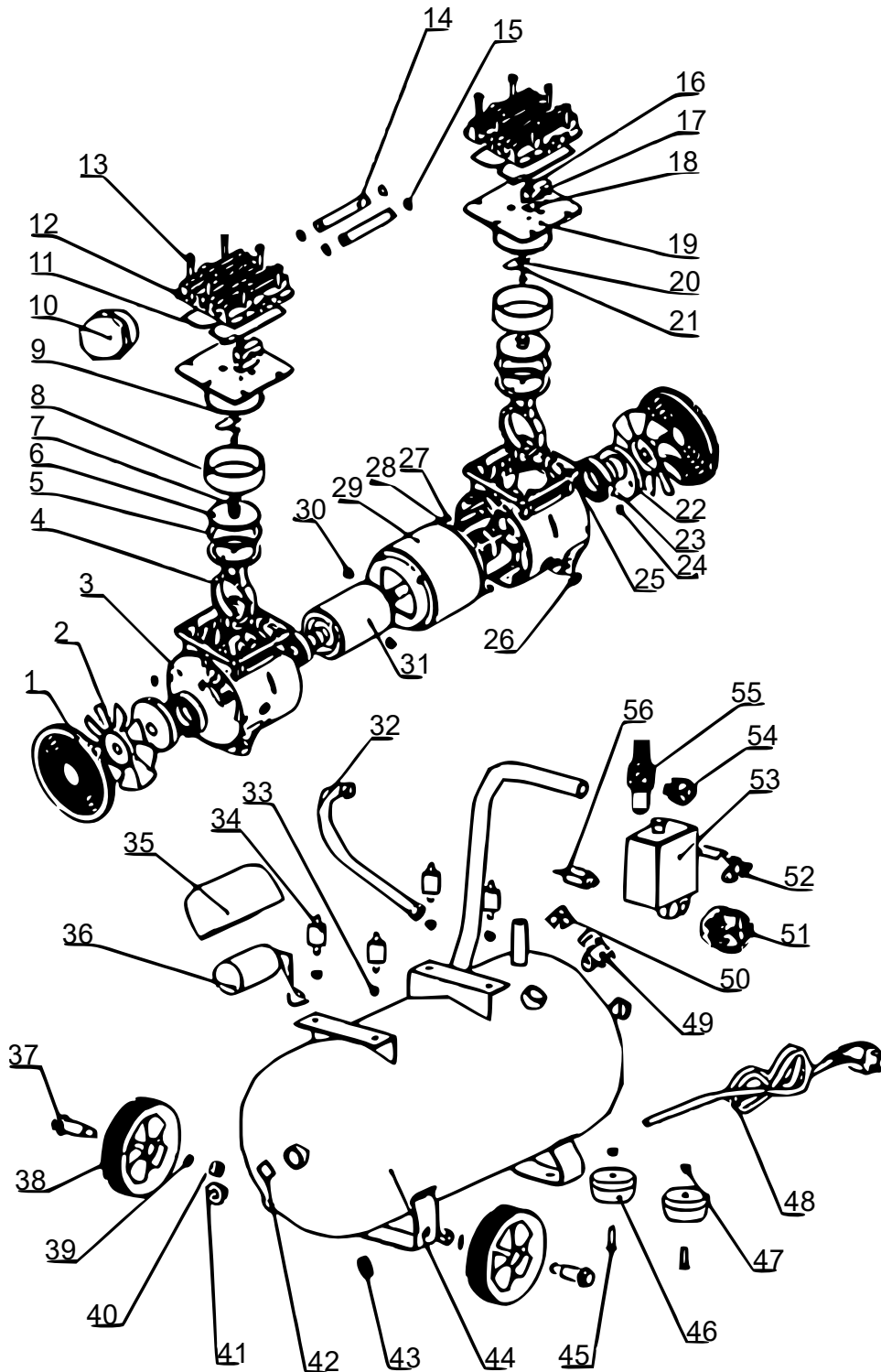


Troubleshooting

 **Warning:** All maintenance work must only be carried out after the compressor has been disconnected from the power supply and after the air within the tank has been released.

Problem	Possible Causes	Solution
Engine does not rotate and makes no sound.	Power disconnected	Check connection switch.
	Pressure switch disconnected	Check pressure switch.
	Fuse burnt	Replace fuse.
	Overload protector is in state of protection	Restart machine after engine has cooled down.
	Pressure switch damaged	Contact an authorised service partner.
	Engine stator burnt	Replace stator.
Electricity current can be heard but device fails to run or runs slowly.	Voltage is too low	Check voltage – must not be 10 % lower than rated voltage.
	Engine winding short circuit	Contact an authorised service partner.
	Check valve or pressure switch failure	Contact an authorised service partner.
The overload protector cuts the power frequently.	Voltage is too low	Check the voltage, must not be 10 % lower than rated voltage.
	Bad ventilation and high temperature	Move the compressor to a ventilated area.
Air pressure is reduced when the machine is turned off	Air pipe loose or leaking	Check and fix it.
	Water drain valve open	Tighten the drain valve.
	Check valve leakage	Remove and clean it, replace when necessary
Too much water in delivered air	Plenty of water in the tank	Drain the water from the tank.
	Humidity is too high	Move the compressor to a cooler place or use oil water separator.
Compressor fails to stop running	Pressure switch damaged.	Replace the pressure switch.
	Foot pad damaged or missing.	Check and eliminate.
Compressor vibration	Fasten the loose part	Check and eliminate.
	Foot pad damaged or missing	Replace the foot pad.
Pressure fails to reach the rated one or not able to increase	Water drain valve open	Tighten the water drain valve.
	Air filter blocked	Clean and replace the air filter element.
	Air leakage	Check and eliminate.
	Valve clack malfunction or air leakage	Clean or replace.
	Piston rubber bowl wear and tear	Replace piston rubber bowl.

Exploded view and parts list





№	Name	Qty.	№	Name	Qty.
1	Wind cover	2	29	Stator	1
2	Left fan	2	30	Holding screws	4
3	Left case	1	31	Rotor	1
4	Connection rod	2	32	High pressure soft tube	1
5	Piston leather cup	2	33	Holding screws M6	4
6	Pressing plate	2	34	Shock-relief gasket	4
7	Hexagon socket head cap screws M6×20	2	35	Metal capacitor	1
8	Cylinder	2	36	Capacitor	1
9	Cylinder sealing circle	2	37	Wheel axis	2
10	Silencer	1	38	Wheel	2
11	Cylinder head sealing circle	2	39	Flat gasket	2
12	Cylinder head	2	40	Wheel axis holding screws	2
13	Hexagon socket head cap screws M5×50	12	41	Observing hole	2
14	Connection pipe	2	42	O-ring for observation hole	2
15	Connection pipe sealing circle	2	43	Drainage valve	1
16	Pan head screws with cross recess M4×6	2	44	Air tank	1
17	Limiting stopper	2	45	Washer holding screws	2
18	Air outlet valve clack	2	46	Big foot washer	2
19	Valve plate	2	47	Foot washer holding screw cap	2
20	Air intake valve clack	2	48	Power cable	1
21	Metal gasket	2	49	Check valve	1
22	Crankshaft	2	50	Magnetic valve	1
23	Bearing 6006–2Z	2	51	Y50 pressure gauge	1
24	Hexagon socket screws (flat point) M8×10	2	52	Ball valve	1
25	Right case	1	53	Pressure switch	1
26	Lap hoop	1	54	Y40 pressure gauge	1
27	Hexagon socket head cap screws M5×150	4	55	Adjustable oil-water separator	1
28	Flat gasket	4	56	Safety valve	1

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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