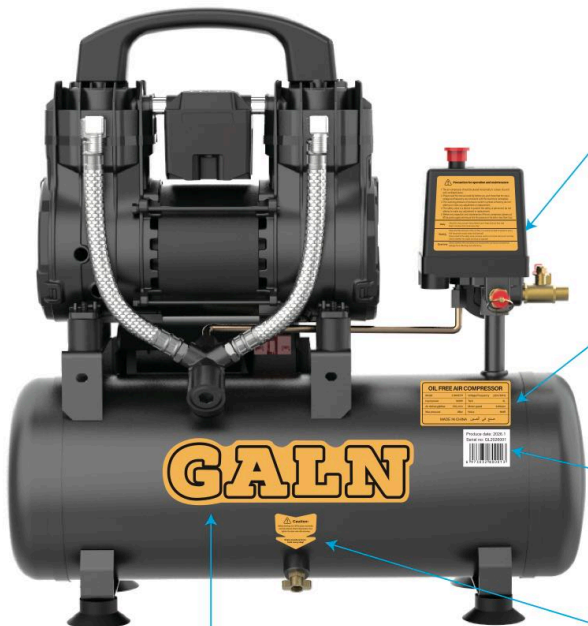




225x60



⚠️ Precaution for operation and maintenance

1. The air compressor should be placed horizontally in a clean, dry and well-ventilated place;
2. Please read the manual carefully before use, and check that the input voltage and frequency are consistent with the machine's nameplate;
3. The working pressure of pressure switch is preset at factory, do not attempt to make any adjustment or replacement;
4. The safety valve is a device to protect the safety of personnel, do not attempt to make any adjustment or replacement;
5. Before any inspection and maintenance of the air compressor, please cut off the power supply and ensure that the pressure in the tank is less than 1 bar.

Daily Check for any unusual noise/vibration/over heat and low flow rate
Drain moisture from tank every day!

Weekly Clean the filter element of the air filter. It is recommended to replace it every 500 hours (the actual status shall prevail).
Check whether the safety valve, pressure switch and check valve work normally.
Check whether the cables are loose or exposed.

Quarterly Check whether the connections of components are loose to prevent air leakage from affecting work efficiency.

70x62

OIL FREE AIR COMPRESSOR

Model	2-900CF8	Voltage/Frequency	220V/60Hz
Input power	900W	Tank	9L
Air delivery@8bar	170L/min	Motor speed	3400rpm
Max pressure	8Bar	Noise	68dB

MADE IN CHINA صنع في الصين

90x45

Produce date: 2026.1
Serial no: GL2026001

6 1973032 1800013

50x40

⚠️ Caution:

Before draining, turn off the power and make sure the pressure of tank drops below 1 bar, tighten the drain valve after draining.

Drain moisture from tank every day!

40x34



⚠️ Caution:

Please turn off the pressure switch before power off, otherwise, it may affect the performance of the machine

58x26

⚠️ Overload protection

Caution: When the red button pops out, the machine is in Overload protection!
After removing the abnormality, press the button again, machine will resume normal operation.

46x16.5



20x20

2-900CF8



GALN

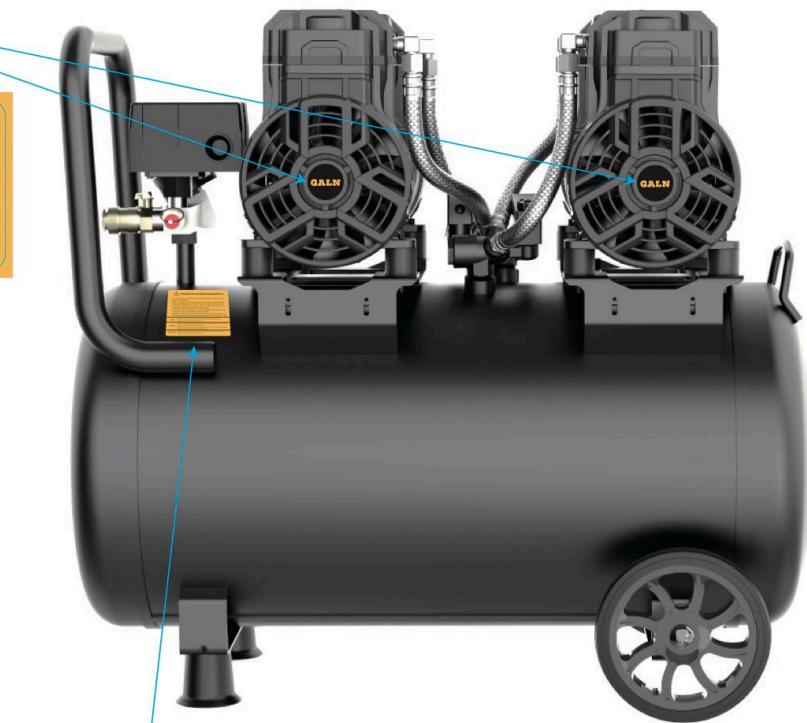
28x28

90x45

50x40

46x16.5

40x34



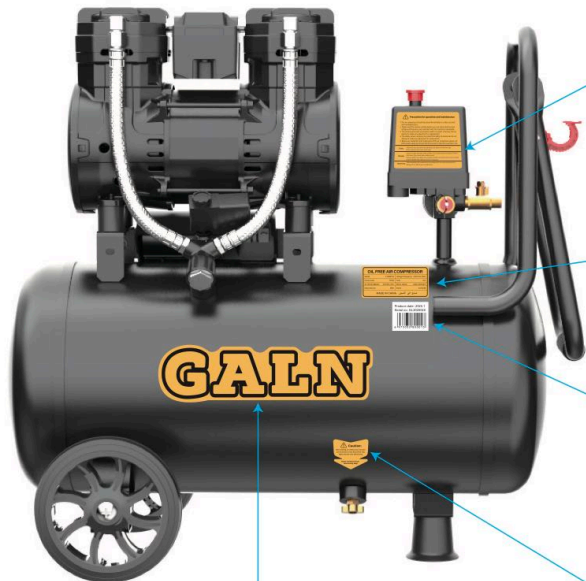
⚠ Precaution for operation and maintenance	
1. The air compressor should be placed horizontally in a clean, dry and well-ventilated place; 2. Please read the manual carefully before use, and check that the input voltage and frequency are consistent with the machine's nameplate; 3. The working pressure of pressure switch is preset at factory, do not attempt to make any adjustment or replacement; 4. The safety valve is a device to protect the safety of personnel, do not attempt to make any adjustment or replacement; 5. Before any inspection and maintenance of the air compressor, please cut off the power supply and ensure that the pressure in the tank is less than 1 bar.	
Daily	Check for any unusual noise/vibration/over heat and low flow rate (clean moisture from tank every day)
Weekly	Clean the filter element of the air filter (it is recommended to replace it every 100 hours (the actual status shall prevail)). Check whether the safety wire, pressure switch, and check valve work normally. Check whether the cable are loose or exposed.
Quarterly	Check whether the connections of components are loose to prevent air leakage from affecting work efficiency.

70x62

2-1680X2CF50

GALN

272x73



⚠ Precaution for operation and maintenance

1. The air compressor should be placed horizontally in a clean, dry and well-ventilated place.
2. Please read the manual carefully before use, and check that the input voltage and frequency are consistent with the machine's nameplate.
3. The working pressure of pressure switch is preset at factory, do not attempt to make any adjustment or replacement.
4. The safety valve is a device to protect the safety of personnel, do not attempt to make any adjustment or replacement.
5. Before any inspection and maintenance of the air compressor, please cut off the power supply and ensure that the pressure in the tank is less than 1 bar.

Daily Check for any unusual noise/vibration over heat and low flow rate. Drain moisture from tank every day!

Weekly Clean the filter element of the air filter. It is recommended to replace it every 60 hours from the actual date that arrived. Check whether the safety valve, pressure switch, and check valve work normally. Check whether the cable are loose or miswired.

Quarterly Check whether the connections of components are loose to prevent air leakage from affecting work efficiency.

70x62

OIL FREE AIR COMPRESSOR

Model	4-750BF24	Voltage/Frequency	220V/50, 60Hz
Input power	750W	Tank	24L
Air delivery@8bar	125/150L/min	Motor speed	2800/3400rpm
Max pressure	8Bar	Noise	63/65dB

MADE IN CHINA صنع في الصين

Produce date: 2026.1
Serial no: GL2026026

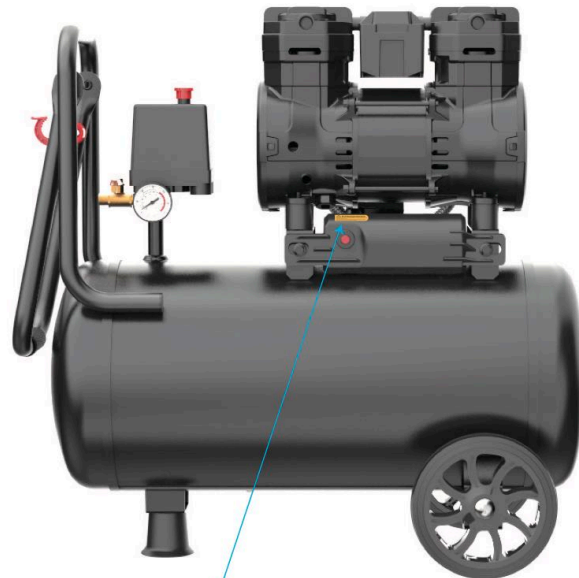
6 973032 800013

50x40

⚠ Caution:
Before draining, turn off the power and make sure the pressure of tank drops below 1 bar, tighten the drain valve after draining.

Drain moisture from tank every day!

40x34



⚠ Overload protection
Caution: When the red button pops out, the machine is in Overload protection!
After removing the abnormality, press the button again, machine will resume normal operation.

46x16.5



GALN

50x10

4-750BF24



GALN
25x28

OIL FREE AIR COMPRESSOR			
Model	2-1680X3CF100	Voltage/frequency	220V/50, 60Hz
Input power	1680W	Size	46L
Air delivery@8bar	65L/70S/min	Motor speed	2800/3400rpm
Max pressure	8Bar	Noise	73/75dB
MADE IN CHINA صنع في الصين			

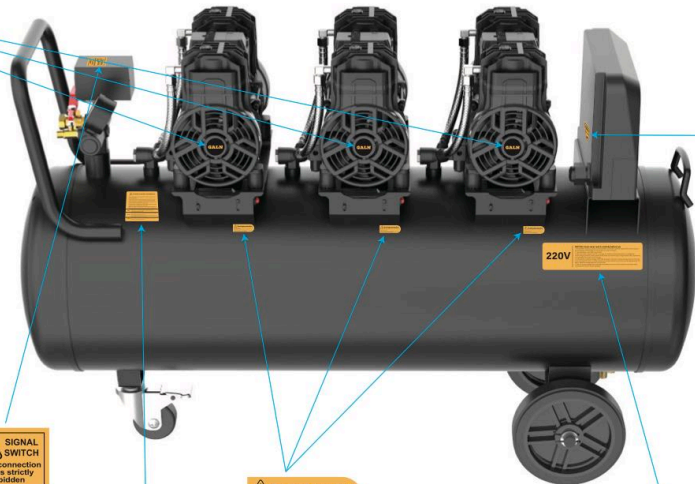
90x45

Produce date: 2026.1
Serial no: GL2026306

50x40



40x34



50x31



35x25



46x16.5

Precaution for operation and maintenance	
1. The air compressor should be placed horizontally in a clean, dry and well-ventilated place.	
2. Please read the manual carefully before use, and check that the input voltage and frequency are consistent with the requirements of the manual.	
3. The working pressure of pressure switch is preset at factory. Do not attempt to make any adjustment or replacement.	
4. The safety valve is a device to protect the safety of personnel. Do not attempt to make any adjustment or replacement.	
5. Before any inspection and maintenance of the air compressor, please cut off the power supply and ensure that the pressure in the tank is less than 1 bar.	
Safety	Check for any unusual vibration when start machine for use. Operation should be done carefully.
Warning	Check the pressure of the air tank. Do not attempt to adjust it manually. When the air tank is full, please stop the machine and check the valve work normally. Check whether the safety valve is normal or not.
Caution	Check whether the temperature of compression system is normal or not. If the temperature is too high, please stop the machine and check the valve work normally.

70x62

220V

240x65

NOTICE: Users must read it carefully before use

1. The diameter of the input power cord should be in accordance with the requirements of the manual or the nameplate, and the length of cord should not exceed 10 meters.
2. The input power cord must be grounded.
3. When the input voltage is too low or too high, the machine will automatically over-voltage and under-voltage protection, please power off and make sure that the input voltage matches the requirement on nameplate, then power on the machine.
4. If the electric control box displays "999" after the power is turned on, the power input wire is connected incorrectly, and the motor is in phase sequence protection state to avoid motor reversal, please power off and re-adjust the wiring sequence for normal use.
5. The user cannot change the connecting wire between the motor and the electric control box at will, otherwise the machine may be damaged.

2-1680X3CF100

426x115



Oil-free, Low maintenance cost
Fast storage, high flow supply

GALN

Oil-free Air Compressor Manual



Power range	1 phase: <1kw	1 phase:1-2kw	1 phase:2-3kw	1 phase:3-5kw 3 phase:6-7.5kw	1 phase:5-7.5kw 3 phase:7.5-11kw	1 phase:>7.5kw 3 phase:>11kw
Requirement of power cable	1mm ²	1.5mm ²	2.5mm ²	4mm ²	6mm ²	8mm ²

Note: for power cable diameter, 1 mm² is required for every 6A input current



High flow
supply



Oil-free



Low noise



Low vibration



Low temperature
rise



high pressure



High speed
silenced motor



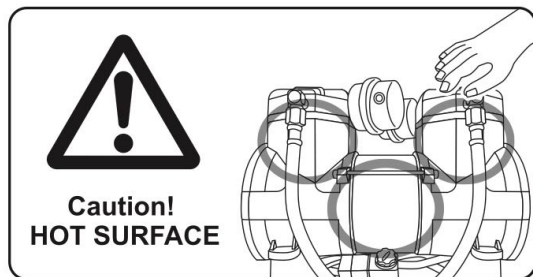
Four protection

Please read this manual carefully before use!

① IMPORTANT SAFETY INSTRUCTIONS

This manual contains important instructions for operating this product. For your safety, and the safety of others, be sure to read this manual thoroughly before operating the product. Thank you for choosing our oil-free air compressor. Please contact us if you have any questions.

- ◆The machine should be stored in a dry and ventilated room, and strictly avoid to close to perishable, flammable and chemical substances! The storage period should not exceed two years from the date of leaving the factory, if it exceeds the storage period. Check and maintain before use, or make a test if needed !
- ◆The machine is strictly forbidden to collide, placed steadily when using it, and it must be prevented from tilting and upside-down during transportation to avoid malfunction!
- ◆Try to avoid using it in an environment where the temperature is too high, the air is dirty, dusty, oily fuel and exhaust gas pollution. Use in these environment may cause damage to the machine.
- ◆Before connecting to the working power supply, make sure that the machine is turned off, and the power supply voltage shall not be lower than or higher than 10% of the rated working voltage of the machine!
- ◆Do not touch the high temperature area of the machine while the machine is working! For example, the cylinder head, check valve and other components. If maintenance is required, please turn off the machine, disconnect the power supply, and wait for the machine to cool down to prevent burns!
- ◆The machine has strict requirements of the power cable. Please refer to the specification sheet of this manual for details. The power cable should not be too long to prevent excessive voltage drop and affect the performance of the machine.
- ◆The recommended environment temperature should be 0-37℃. Too low or too high temperature may affect the performance of the machine.
- ◆Before use, confirm whether the safety valve is effective, pull up the safety valve to check whether it can easily vent. After checking, press the safety valve to make sure it has been reset.
- ◆During use, avoid the machine air outlet and the equipment connected to the air outlet from directly facing the operator or other personnel to prevent possible potential hazards and injury to the human body.



② INTRODUCTION

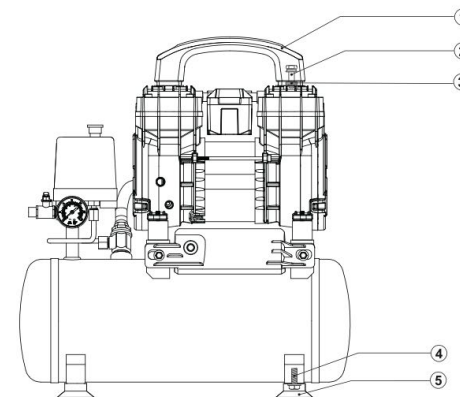
Compared with traditional belt drive or direct drive air compressor, our oil-free air compressor (hereinafter referred to as air compressor) do not require lubricating oil and can provide a relatively clean air source with low noise, which is especially suitable for dentistry, Breeding, medicine, fitness, beauty, chemical industry, scientific experiments and other high-demand fields. At the same time, it can also be widely used in traditional home improvement, auto repair, factories and other fields, such as air supply for pneumatic tools, like spray gun, air nailer etc, air supply for vehicle brakes, air supply for tooling equipment, etc.

Comparison with traditional belt drive or direct drive air compressors:

Items	Oil free air compressor	Direct drive or Belt-drive
Lubrication	No, without maintenance cost	Yes, higher maintenance cost
Oil/water filter	No need	Need
Cleanliness of air	Higher	Lower
Motor	Higher efficiency	Lower efficiency
Energy Consumption	Lower	Higher
Noise	Soft, low, around 75db	Harsh, high, around 90db
continuously working	Less restrictive	More restrictive
Failure rate	Lower	Higher
Low temperature working	Applicable	Not applicable, risk of emulsification

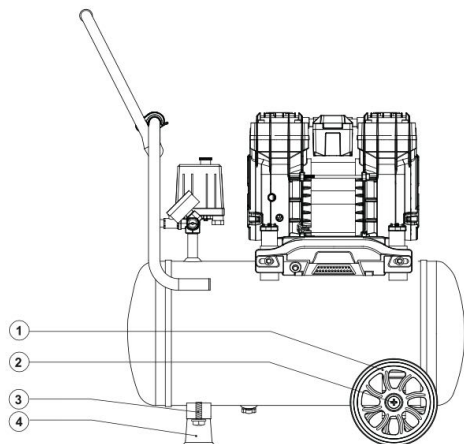
Note: The above data comes from the manufacturer's laboratory

③ PACKAGE CONTENTS & ASSEMBLY



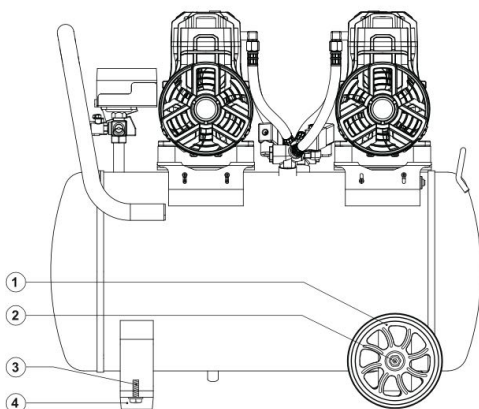
Handle type machine

No.	Parts	Qty/Set
1	Handle	1
2	Screw&Nut	2
3	Shim	2
4	Bolt&Nut	3
5	Cushion foot	3



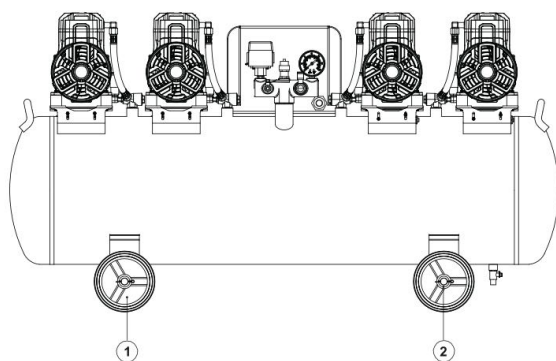
Pull rod type

No.	Parts	Qty/Set
1	Wheel	2
2	Axle&Nut	2
3	Bolt&Nut	1
4	Cushion foot	1



Dual motor machine

No.	Parts	Qty/Set
1	Wheel	2
2	Axle&Nut	2
3	Bolt&Nut	2
4	Cushion foot	2

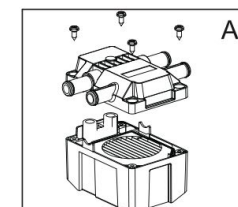


Multi motor

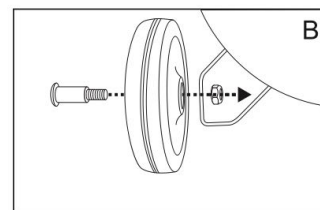
No.	Parts	Qty/Set
1	Wheel	4
2	Splint pin&Washer	4

④ ASSEMBLY

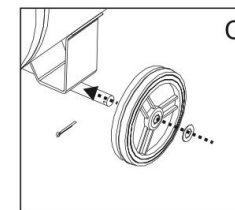
1. Air filter (Pic.A)
2. Wheel (Pic.B、 C)
3. Handle (Pic.D、 E)
4. Cushion foot (Pic.F、 G)



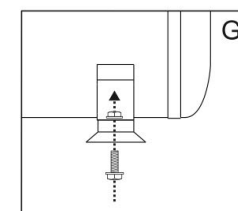
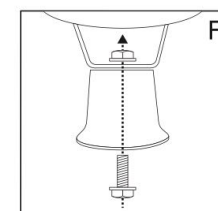
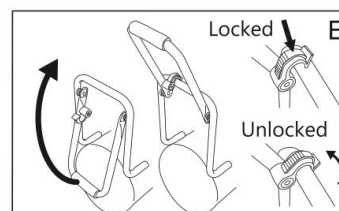
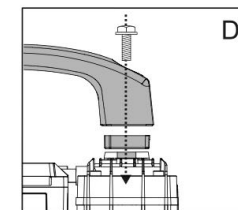
Centered filter
(assembled in factory)



Single or Dual motor

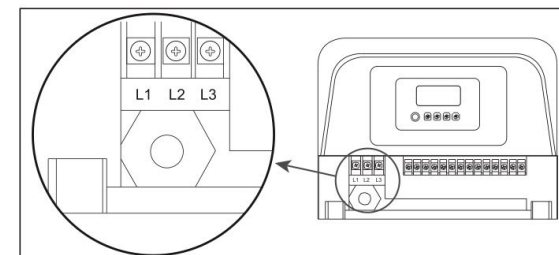
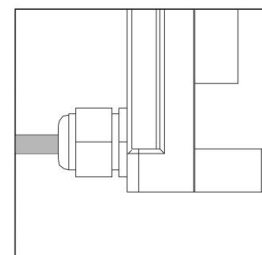


Multi motor



5.Power cable

Multi motors models normally without plug, need power cable to connect with power supply, the specification of the power cable must be no less than the requirements on the back cover of this manual.



⑤ OPERATION

1.Power connection:

Power must be grounded!

Models with plug(single or dual motors),plug in and power on.

Models without plug(Multi motors), use power cable to connect control box with power supply (more than 50% higher than the rated current of the air compressor) and power on.

The specification of the power cable must be no less than the requirements on the back cover of this manual.

Note: The air compressor should not be placed too far away from the power supply to avoid too much voltage drop.

2.safety valve ①

Safety valve is used to keep the air pressure stable, when the pressure exceeds 10 bar(15bar for high-pressure models), it will automatically release the pressure to protect the safety of users.

Note: Safety valve can not be used to deflate, frequently pulling out can damage the safety valve.

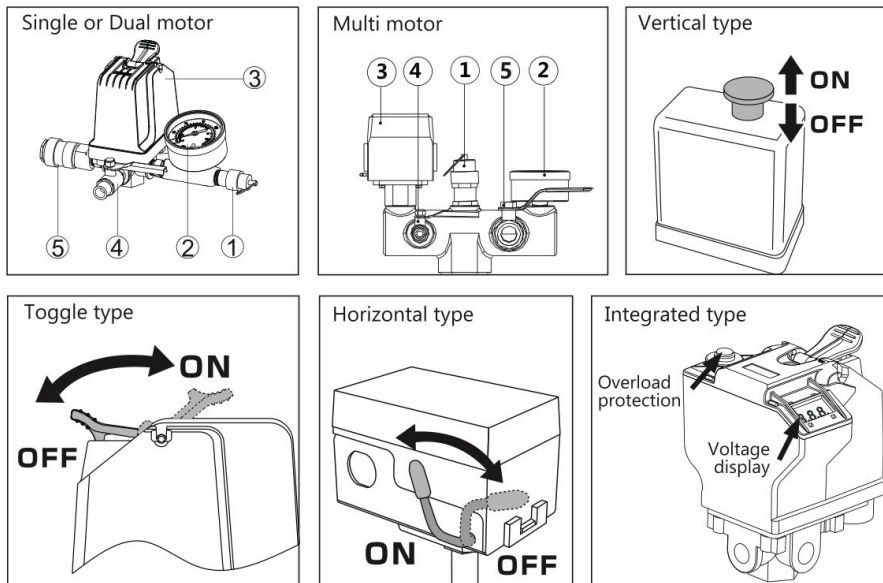
3.Pressure gauge ②

Showing the pressure of air tank.

4.Pressure switch③

The air compressor is automatically controlled by pressure switch during normal operation, for machine with max 8bar, it will stop at 8 bar, and restart at 6 bar.

If the machine is not equipped with a solenoid valve, make sure the pressure switch is in OFF when power off, otherwise may hard to restart.



5.Air outlet

(1) The ball valve④ can be used directly.

(2) Before using the quick connector ⑤ make sure there is no pressure in the air tank.

6.Movement

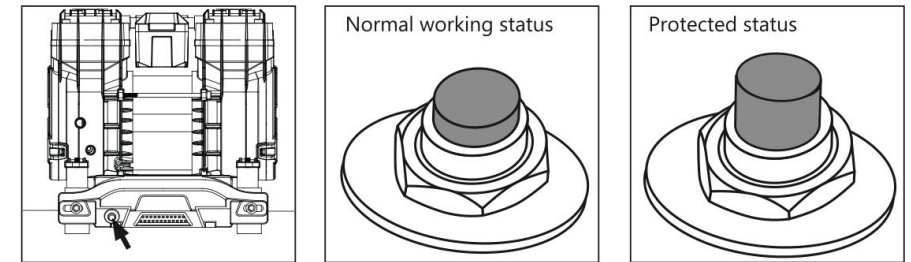
Before moving the compressor, make sure that the switch is off and the power cord plug is unplugged from the socket. Grasp the handle, move the air compressor to the desired position, and ensure that the air compressor is on a flat ground.

Note: Make sure your feet stand firm and seek help if necessary.

7.Overload protection

Each motor is equipped with an overload protection, it will automatically cut off the power supply to protect the motor when it is overloaded.

When protected, users need to power off first, eliminate abnormalities and push the reset button after the motor has cooled down completely.



8.Control box (Multi motor models)

(1). Each motor has an independent control switch. When it is started normally, motors will start in sequence with a delay of 4 seconds. The user can also set the number of working motors according to actual work requirements.

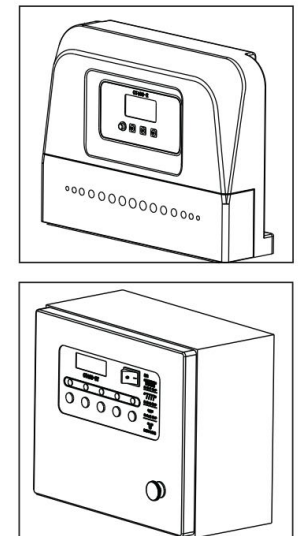
(2). Phase sequence correction, if the electric control box displays "999" after the power is turned on, but it does not work normally: it is because the power input line is connected incorrectly, and the motor is in phase sequence protection state to avoid motor reversal, and the wiring sequence needs to be re-adjusted for normal use.

(3). Over-voltage and under-voltage protection

The air compressor will automatically cut off the power to protect the motor due to the high or low input voltage.

The user needs to make sure that the voltage is normal and then restart the machine.

Warning! Please use the air compressor in a suitable environment!



⑥ MAINTENANCE

Before any maintenance or repair work, you must cut off the power supply and ensure that the air tank is pressure-free, otherwise it is very easy to cause injury!

1. Please clean and maintain the machine regularly.
2. If the power cord is damaged, in order to avoid danger, it must be replaced by the manufacturer's maintenance department or qualified person.
3. Open the drain valve to drain the water daily or after every use. When draining, the pressure in the air tank should be less than 1 bar.
4. Check whether the safety valve is sensitive every week, pull out the safety valve to check whether it can be easily exhausted, and it can be reset immediately after pressing it.
5. It is recommended that remove the filter element of the air filter and clean it with clean high-pressure air every 200 hours of use, replace the filter element of the air filter every 500 hours of use, and replace the cylinder and piston ring every 2000 hours of use. The details can be adjusted according to the actual use.
6. The air tank shall be subjected to a pressure test every two years, and the internal and external surfaces shall be inspected once a year. When there is severe rust, severe bruising or failed to pass the pressure test, the air tank shall be replaced.
7. In case of severe machine vibration, please pay attention to whether you need to replace the shock pad.

Precautions for maintenance:

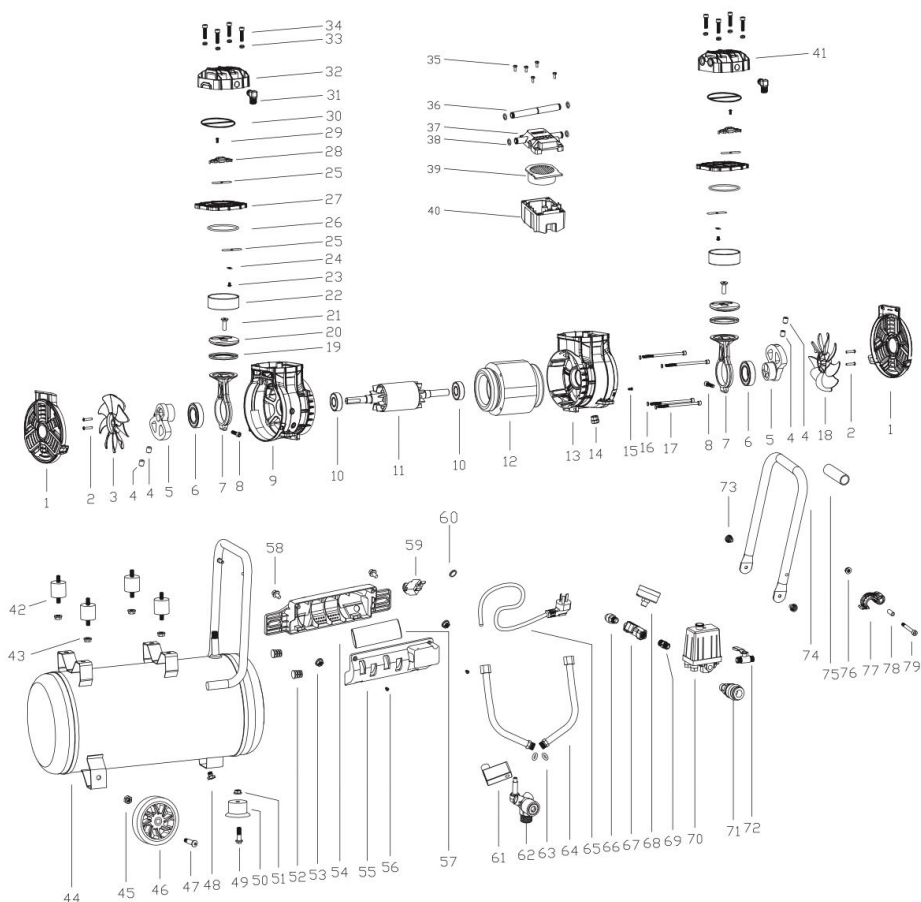
- (1) Before disassembling the machine, cut off the power supply, wait for the machine to cool down and ensure that the air tank is pressure-free.
 - (2) During the maintenance process, the fasteners should be tightened, if any damage is found, they should be replaced with new ones.
 - (3) When the maintenance is over, after re-installation, the fan should be rotated to check for abnormalities
- (Note: The left and right fan blow inward when the motor rotates.)

⑦ TROUBLE SHOOTING

Warning: Before any maintenance or repair work, you must cut off the power supply and ensure that the air tank is pressure-free, otherwise it is very easy to cause injury!

Problem	Possible cause	Solution
The motor does not start and without any noise	No Power supply	Check the plug and the power supply
	Pressure switch is off	turn on the pressure switch
	Under overload protection	Press the red reset button to start after the machine cooled down
	Pressure switch faulty	Replace the pressure switch
	Stator faulty	Replace the stator
The motor does not start or starts slowly, with a humming noise	Low voltage supply	Place the air compressor in a well-ventilated place
	Short circuit or open circuit of motor coiling	Contact dealer
	Check valve or pressure switch faulty	Contact dealer
The overload protector cuts off the power repeatedly	Low voltage supply	Check the input voltage, can not 10% lower than the rated voltage
	Poor ventilation, too high temperature	Check the input voltage, can not 10% lower than the rated voltage
	Wrong installation of fan	Check the fan and install it in the correct direction
Pressure drops in the tank	Air leaks at connections	Check each connection, tighten leaky connection
	Drain valve is open or loose	Tighten the drain valve
	Air leaks at check valve	Remove and clean, if still not work, Replace the check valve
The exhaust gas has a high humidity	A lot of water in the tank	Drain the water in the tank
	The working environment with too high humidity	Move the air compressor to a place with low humidity, or use an oil-water separator
The motor does not stop	Pressure switch faulty	Replace the pressure switch
	Air leakage, can not reach the max pressure	Check and tighten the leaky connection
Machine with High vibration	Loose fasteners	Check and tighten
	The internal parts of the air compressor are aging or damaged	Replace foot or shock pad
	Cushion foot or shock pad damaged	Replace aging or damaged parts
Can not reach the max working pressure	Drain valve is open or loose	Tighten the drain valve
	Air filter blocked	Clean or replace the filter element
	Air leakage	Check and tighten
	Poor valve function or foreign matter or air leakage	Clean or replace
	Excessive wear of piston rings	Replace the piston ring

⑧ EXPLODED VIEW & PARTS LIST



No.	Parts	Qty	No.	Parts	Qty
1	Fan cover	2	41	Right cylinder cover	1
2	Screw	4	42	Shock pad	4
3	Left fan	1	43	Screw	4
4	Crank	4	44	Air tank	1
5	Screw	2	45	Nut	2
6	Bearing	2	46	Wheel	2
7	Connecting rod	2	47	Axle	2
8	Bearing	2	48	Drain valve	1
9	Right crankcase	1	49	Bolt	1
10	Bearing	2	50	Cushion foot	1
11	Rotor	1	51	Nut	2
12	Stator	1	52	End cap	2
13	Left crankcase	1	53	Nut	2
14	Strain Relief Bushing	2	54	Nut	1
15	Screw	2	55	Capacitor box	1
16	Washer	4	56	Screw	2
17	Screw	4	57	Capacitor	1
18	Right fan	1	58	Screw	2
19	Piston ring	2	59	Overload protector	1
20	Piston ring plate	2	60	Washer	1
21	Screw	2	61	Solenoid valve	1
22	Cylinder	2	62	Check valve	1
23	Cylinder sealing ring	2	63	O-ring	2
24	Screw	2	64	High pressure hose	2
25	Metal strengthen sheet	4	65	Power cord and plug	1
26	Air valve	2	66	Safety valve	1
27	Valve plate	2	67	Connector	1
28	Limited block	2	68	Pressure gauge	1
29	Screw	2	69	Joint	2
30	Obturator ring	2	70	Pressure switch	1
31	Elbow	2	71	Quick connector	1
32	Left cylinder cover	1	72	Ball valve	1
33	Washer	8	73	Pull-rod spring	2
34	Screw	8	74	Folding pull rod	1
35	Screw	5	75	Foam sleeve	1
36	Aluminum tube	1	76	Nut	1
37	Upper cover	1	77	Snap	1
38	O-ring	4	78	Bush	1
39	Air filter element	1	79	Screw	1
40	Cavity	1			

66x35x60.5cm

GALN

2-1680X2CF50

OIL FREE AIR COMPRESSOR

Fast storage, high flow supply

Patented cooling system

Suitable for high temperature and continuous work

Low power consumption, longer working life

Support low voltage start

Low maintenance cost



**OIL FREE
AIR COMPRESSOR**

SPECIFICATION

Input power	1680Wx2
Air delivery@0bar	420/500L/min
Max pressure	8Bar
Voltage/Frequency	220V/50, 60Hz
Motor speed	2800/3400rpm
Noise	73/75dB
Tank	50L
G.W.	35KG
Size	66x35x60.5cm

Voltage/Frequency



220V 50Hz



220V 50/60Hz

MADE IN CHINA صنع في الصين

GALN

2-1680X3CF100

OIL FREE AIR COMPRESSOR



Fast storage, high flow supply
Patented cooling system
Suitable for high temperature and continuous work
Low power consumption, longer working life
Support low voltage start
Low maintenance cost

2-1680X3CF100

OIL FREE AIR COMPRESSOR

SPECIFICATION

Input power	1680Wx3
Air delivery@0bar	625/720L/min
Max pressure	8Bar
Voltage/Frequency	220V/50, 60Hz
Motor speed	2800/3400rpm
Noise	73/75dB
Tank	100L
G.W.	79KG
Size	119x40x79cm

Voltage/Frequency

☐ 220V 50Hz ☐ 220V 50/60Hz

MADE IN CHINA صنع في الصين

58x25x53.5cm

GALN

4-750BF24

OIL FREE AIR COMPRESSOR

Fast storage, high flow supply
Patented cooling system
Suitable for high temperature and continuous work
Low power consumption, longer working life
Support low voltage start
Low maintenance cost



OIL FREE AIR COMPRESSOR

SPECIFICATION	
Input power	750W
Air delivery@0bar	125/150L/min
Max pressure	8Bar
Voltage/Frequency	220V/50, 60Hz
Motor speed	1400/1700rpm
Noise	63/65dB
Tank	24L
G.W.	20KG
Size	58x25x53.5cm
Voltage/Frequency	
☐ 220V 50Hz	☐ 220V 50/60Hz

MADE IN CHINA صنع في الصين

GALN

4-750BF24

OIL FREE AIR COMPRESSOR

Fast storage, high flow supply
Patented cooling system
Suitable for high temperature and continuous work
Low power consumption, longer working life
Support low voltage start
Low maintenance cost



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