

AIR COMPRESSOR

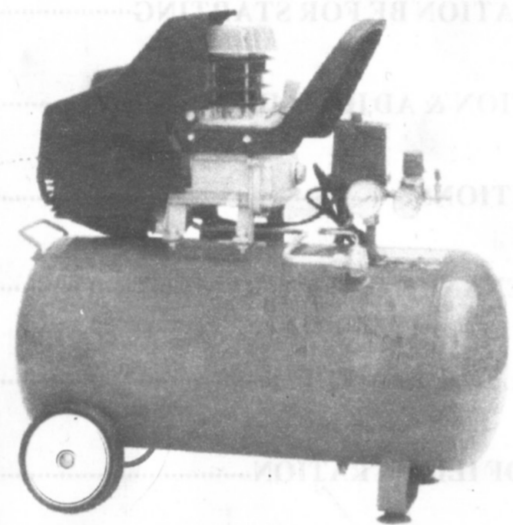
Instruction Manual

CATALOGUES

LIST OF GOODS

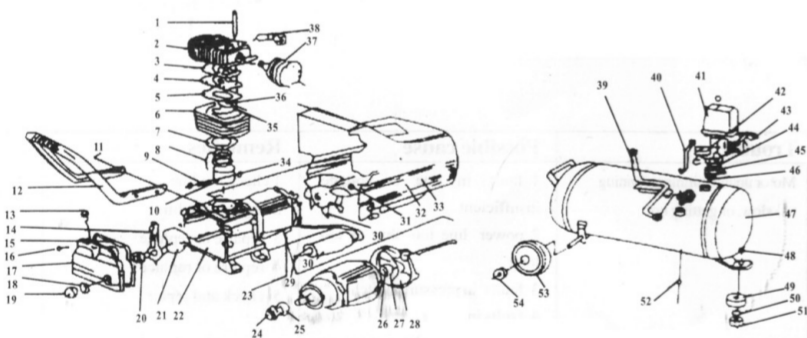
No	Designation	Qty
1	Air compressor	1
2	Air filter	1
3	Oil ruler	1
4	Rubber gasket	1
5	Operation manual	1

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Information in this manual is provided for safety and to prevent equipment problems. Keep this manual handy and read it carefully before operation or maintenance.

PARTS OF ILLUSTRATION



PACKING LIST

Table 2

No	Designation	Qty	No	Designation	Qty
1	Blot M8x110	1	30	Capacity	1
2	Cylinder head	1	31	Fan	1
3	Cylinder head gasket	1	32	Cirelip	1
4	Valve plate	1	33	Fan cover	1
5	Valve clack	1	34	cirelip	2
6	Cylinder	1	35	cirelip	2
7	Cylinder gasket	1	36	Valve piece	1
8	Piston ring	3	37	Air filter	1
9	Piston pin	1	38	Nut	1
10	Piston	1	39	Discharge pipe	1
11	Screw M5x14	4	40	Release pipe	1
12	cirelip	1	41	Pressure switch	1
13	Breath pipe	1	42	Pressure gauge	1
14	Connecting rod	1	43	Discharge valve	1
15	Sealing ring	1	44	Switch bracket	1
16	Bolt M5x4	6	45	Connector screw	1
17	Crank case cover	1	46	Discharge connector	2
18	Rubber gasket	1	47	Air tank	2
19	Oil ruler	1	48	Screw M8x25	1
20	Screw M8x22-left	1	49	Washer foot	1
21	Crank	1	50	Washer 8	1
22	Crank case	1	51	Screw M8	1
23	Motor	1	52	Unilateralism valve	1
24	Oil sealing	1	53	wheel	2
25	Bearing 6202RS	1	54	Cover piece	2
26	Bearing 6202RS	1			
27	Spring washer	1			
28	Motor bracket	1			
29	Screw M8	1			

BREF DESCRIPTION

The micro air compressors is of novel design, excellent workshop, having the advantages of compact struction, and fine apperance, light weight, and easy to operation, high safety and low noise, it have been widely applied in mechanical, chemical industry, spray and decoration, automatic control system and other fields where air compressor is required.

OUTLINE & MAIN STRUCTURE(PICTURE 1)

- 1 main compressor 2 pressure switch 3 pressure gauge 4 outlet valve
- 5 regulating valve 6 one-way valve 7 drain valve 8 wheel
- 9 discharge pipe 10 air tank 11 safety valve 12 fan cover

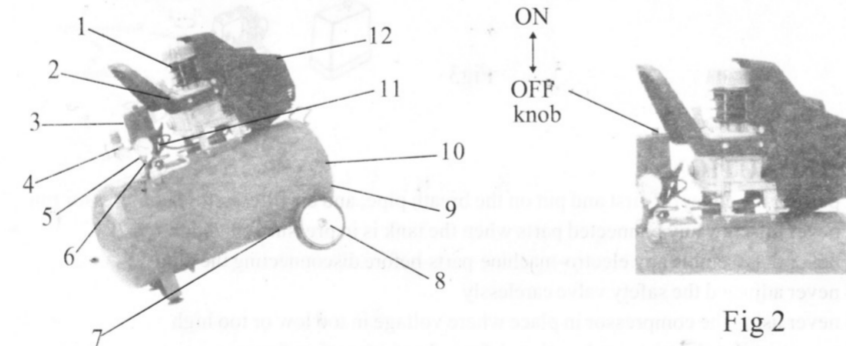


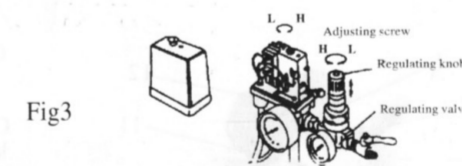
Fig 2

PREPARATION BE FOR STARTING

- (1) The place to set the air compressor should be dry, clean and ventilated.
- (2) Keep the use voltage within $\pm 5\%$ of rated
- (3) Keep the oil level in the red circle place
- (4) Recommend compressor oil use the SAE30 or L-DAB100 over 10°C , and use SAE 10 or L-DAB68 below 10°C
- (5) Opening the outlet valve, set the knob of pressure switch in position (view the picture 2),let the air compressor run 10 mins with no load to ensure lubricating the moving parts before regular service

OPERATION & ADJUSTMENT

- (1) air compressor is controlled by pressure switch when normal working , and it can be automatically stop when pressure increasing to 0.8Mpa, and restart as pressure decreasing to 0.5Mpa, do not change it carelessly, as the rated pressure has been well adjust when produced. As soon as motor switcn off the compressed air in the discharge pipe will be peleased through the release valve under pressured switchthis is necessary condition for restart, or motor will be damaged, the rated pressure can be adjusted by turning the adjusting bolt of the switch (picture3), but only be lower(within 0.8Pa), and can not be higher, or the safe valve will automatically open to result the unusual work
- (2) the output pressure of air compressor can be adjusted by regulating valve, pulling the knob of regulation valve and turn it clockwise to increase pressure(fig3).
- (3) when the compressor in running need be stopped, only set the knob of pressure switch in position off



PRECAUTIONS

- 1 putting the cover off first and put on the breath pipe, and air filter before compressor run
- 2 never unscrew any connected parts when the tank is in pressure condition
- 3 never disassemble any electro-machine parts before disconnecting the plug
- 4 never adjusted the safety valve carelessly
- 5 never using the compressor in-place where voltage in too low or too high
- 6 never use the electric wire less than 1.5mm 2 or longer than 5m.
- 7 never disconnect the plug to stop compressor, set the switch knob in position off instead
- 8 if the release valve doesn't work as motor stopped, find the cause immediately so as not to damage motor
- 9 lubricating oil must be clean, oil level should be kept in the score of oil ruler,
- 10 disconnect the plug to cut off power supply and open the outlet valve
- 11 mashine are installed with self-protector when it automatically cut off, please find the reason and then re connect the power to start the air compressor.

MAINTENANCE & REPAIRMENT

- 1 clean crankcase and renew lubricating oil after the first 10 working hours
- 2 clean the oil level after every 20 working hours, and replenish if necessary
- 3 open the drain cock under the tank to exhaust, condensate after every 60 working hours
- 4 clean the tankcase and renew the oil, clean air filter, and check safety valve and pressure gauge

TROUBLES & REMEDIERS

Trouble	Possible cause	Remedies
Motor unable running, running too slow, or getting hot	1 fault in line or voltage insufficient 2 power line too thin or too long 3 faults in pressure switch 4 faults in motor 5 sticking of main compressor	1 check the line 2 replace the line 3 repair or replace 4 repair or replace 5 check and repair
Sticking of main compressor	1 moving parts burnt due to the oil insufficient 2 moving parts damaged, or stuck by foreign body	1 check crankshaft, connecting rod, piston, piston ring, replace if necessary
Pressure insufficient or discharge capacity decreased	1 connecting parts loosed 2 foreign body got into the main compressor 3 piston knocking valve seat 4 moving parts seriously worn	1 check and retighten 2 check and clean away 3 replace with thicker paper gasket 4 repair or replace
Pressure insufficient or the discharge capacity decreased	1 motor running too slow 2 air filter choked up 3 leakage of safety valve 4 leakage of discharge pipe 5 sealing gasket damaged, carbon building up or stuck 6 valve plate damaged, carbon building or stuck 7 piston ring and cylinder worn or damaged	1 check and remedy 2 cheen or replace the cartridge 3 check and adjust 4 check and repair 5 check and replace 6 replace and cleen 7 reparaie or replacae
The oil consumption too excessive	1 oil level too high 2 breath pipe chocked up 3 piston ring and cylinder worn or damaged	1 keep the level within set range 2 check and clean 3 repair or replace

Table 1