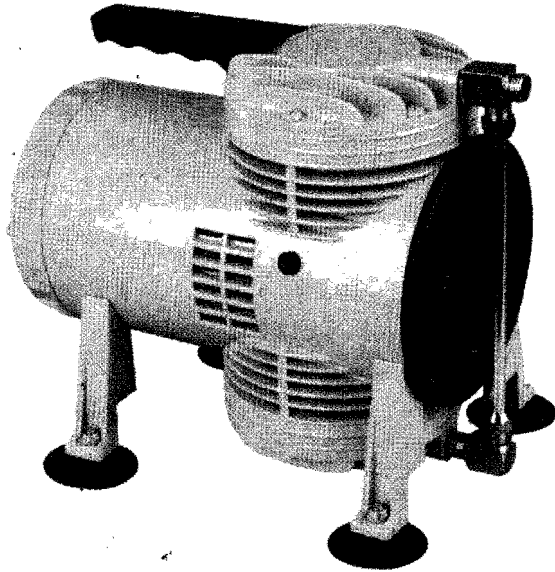


INSTRUCTION MANUAL

AIR COMPRESSOR TC-09

Thanks for purchasing our airbrush compressor and please read this Instruction Manual carefully and thoroughly before operating the tool to get best performance.



1. Features

1. Diaphragm Type and Double Cylinder.
2. Thermally Protected Inside.
3. Oil-free and Low Noise.
4. Much More Long life time than the piston type compressor.
5. Constant and Sufficient High Air Flow.
6. Very Suitable for small area spraying with our spray gun MOD-472, also for other small -size air tools.
7. Suitable for inflation of motorbike, car, basketball, balloon with air hose BD-28.
8. Simultaneous using for many airbrush.
9. Built in carry handle -light and easy to transport.

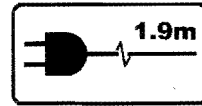
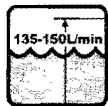
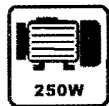
2. Application Field:

Air Compressor TC-09, widely used for the various kinds of spraying with the gun MOD-472, also used for providing air source for medical, environment protect, food industrial, chemical industria, laboratory and so on.

3. DATA SHEET:

Frequency	50HZ		
Voltage	220V	230V	240V
Phase	1 PH	1 PH	1 PH
Power	1/3 HP 250 W	1/3 HP 250 W	1/3 HP 250 W
Electric Current	2 A	2 A	2 A
speed	1450rpm	1450rpm	1450rpm
Max. Pressure	3.2BAR (46PSI)	3.2BAR (46PSI)	3.2BAR (46PSI)
Air Delivery	128L/min	128L/min	128L/min
Net Weight	5.55KG	5.55KG	5.55KG
Measurements	220x195x260	220x195x260	220x195x260
Frequency	60HZ		
Voltage	110V	120V	220V
Phase	1 PH	1 PH	1 PH
Power	1/3 HP 250 W	1/3 HP 250 W	1/3 HP 250 W
Electric Current	4 A	4 A	2 A
speed	1740rpm	1740rpm	1740rpm
Max. Pressure	3.5 BAR (50 PSI)	3.5 BAR (50 PSI)	3.5 BAR (50 PSI)
Air Delivery	135L/min	135L/min	135L/min
Net Weight	5.55KG	5.55KG	5.55KG
Measurements	220x195x260	220x195x260	220x195x260

* Air Exhaust: 1/4" BSP/NPT *Electric Cable:1.9m



4. Safety Instructions:

WARNING

Unqualified use and improper maintenance of these compressors could result in serious personal injury. The following safety instructions should be observed to avoid these risks! Please read all of these instructions carefully and follow them !!

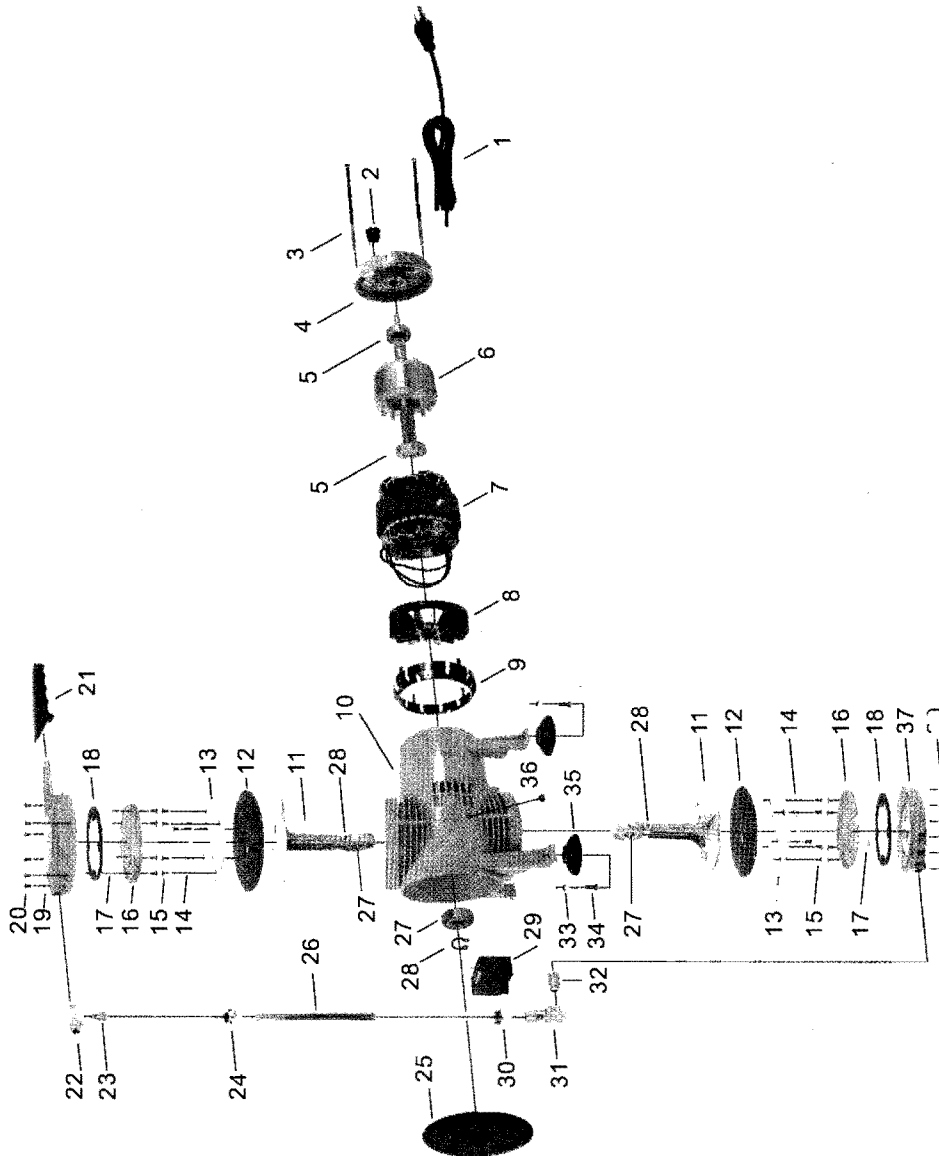
1. Always wear safety goggles. Always wear safety goggles or similar eye protection equipment. Never point the compressed air stream at any part of your body or at anyone else.
2. Always guard against electric shock. Do not use the compressor in damp or wet locations and in the vicinity of water.
3. Disable the compressor when it is not in operation. Switch off the compressor and disconnect the plug from the power point before doing repairs, revisions, maintenance, cleaning and replacing damaged parts.
4. Avoid unintentional starting. Do not move the air compressor if it is connected to the power mains.
5. Store the compressor safely. When not in use, the compressor should be stored in a dry weather protected place. Keep out of the reach of children.
6. Working area. Keep your working area clean and tidy, unused tools should be stored in their respective places. Ensure that your working area is well ventilated. Never operate the compressor in the presence of flammable liquids or gases - the compressor may produce sparks when in operation. Do not use the compressor in areas where painting colours, petrol, chemicals, adhesives and other flammable and explosive substances are present.
7. Keep out of the reach of children, Do not let children and other persons make contact with the compressor power cord. All unauthorised persons should be kept in a safe distance from your working area.
8. Do not abuse the power cord, Never pull the cord to disconnect it from the power point. Keep the cord away from heat, oil and sharp edges. Do not tramp on the cord and protect it from breakage.
9. Use outdoor rated extension cords. When the compressor is used outdoors, use only extension cords that are intended for outdoor use and are so marked.
Caution: The extension cord must be properly rated (minimum cross-section area of each wire inside the cord is 1,5 mm²); If the length of the extension cord exceeds 10m, machine starting may be difficult under unfavourable temperature conditions.
10. Slay alert. Be cautious while working with the compressor, Proceed carefully, Do not operate the compressor when you are tired, Operating the compressor is forbidden to persons that are under the influence of alcohol, drugs or medications that may cause drowsiness,
11. Operate the compressor properly. Follow all instructions included in this manual Do not let children and persons that are not acquainted with its proper use operate the compressor.
12. Check that all the screws are tight. Regularly check that all the screws are tight.
13. Ensure mains supply voltage is the same as the compressor rating plate voltage, Ensure your mains supply voltage is the same as the compressor rating plate voltage, Motor overheating may occur if the supply voltage is higher than rated.

14. Do not use the compressor when damaged, If the compressor produces unusual noise or strong vibrations when in operation or if it there are any other unusual symptoms indicating potential damage, the compressor should be stopped immediately. Have the cause of this symptoms determined in the nearest customer service centre.
15. Use only genuine replacement parts, Warranty will be void if other than genuine replacement parts are used. The use of other than genuine replacement parts may also present a risk of damage to the compressor.
16. Do not make any modifications to the compressor. Do not make any modifications to the compressor, All repairs should be referred to the customer service. Unauthorised modifications may deteriorate compressor performance, however, they may also present a risk of serious injury especially if they are performed by unqualified persons.
17. Do not touch the hot parts of the compressor, Do not touch the discharge line, motor and other hot parts of the compressor; otherwise there is a risk of burns.

5. Trouble Shootings:

Troubles	Causes	Solutions
The motor doesn't work.	<ol style="list-style-type: none"> 1. Electric cable is destroyed. 2. Cable connections inside are not good. 3. On-off switch goes wrong. 	<ol style="list-style-type: none"> 1. Check the electric cable and replace a new one. 3. Open the rear plate and check the cable connections inside and get them repaired. 3. Check the on-off switch and replace a new one.
The motor makes sound but does not run.	<ol style="list-style-type: none"> 1. Exhaust outlet is totally blocked or capped. 2. Wrong direction of cylinder valve after the user's first disassembly and assembly. 	<ol style="list-style-type: none"> 1. Open the outlet cap or make the exhaust outlet smooth. 2. Re-assemble and adjust the direction of cylinder valve correct.
The motor runs, but it makes irregular noise or knocking noise.	<ol style="list-style-type: none"> 1. Bearings get loose or get damaged. 2. Screws in the connection rod get loose. 	<ol style="list-style-type: none"> 1. Replace a new bearing. 2. Get screws tight or replace some new.
Weak result of spraying & painting. Not enough inflating pressure.	<ol style="list-style-type: none"> 1. Air connection leaks. 2. Air hose breaks. 3. Screws on cylinder cover get loose. 	<ol style="list-style-type: none"> 1. Make air connection tight with sealing tape. 2. Replace a new air hose. 3. Make screws tight.
Good running of motor but no air pressure or enough air flow.	<ol style="list-style-type: none"> 1. Valve screws and diaphragm screws get loose or get into wrong position. 2. Inlet plate gets destroyed after a long time of use at high pressure. 	<ol style="list-style-type: none"> 1. Open the front cover and get the screws tight and the diaphragm in position. 2. Replace a new inlet plate.

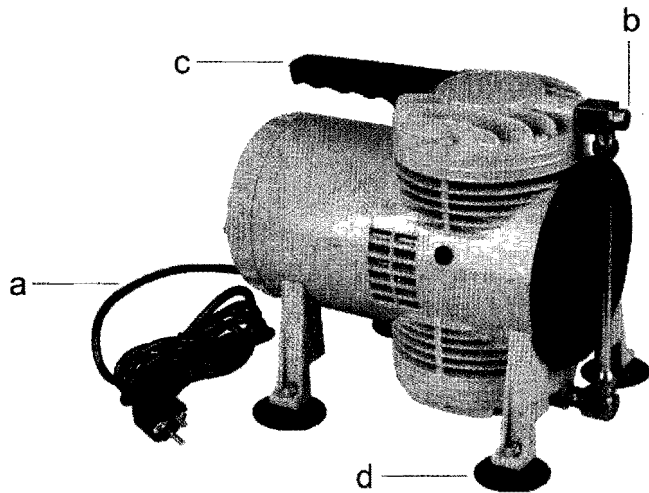
6. Spare Part List:



PARTS LIST

PARTS NO.	DESCRIPTION	Q'TX	PARTS NO.	DESCRIPTION	Q'TX
#1	WIRE	1	#20	SCREW	12
#2	POWER SWITCH	1	#21	HANDLE	1
#3	SCREW	2	#22	ALUMINIUM CONNECTOR-2	1
#4	REAR BODY	1	#23	OUTLET VALVE ROB-2	1
#5	BEARING	2	#24	COMPRESSION NUT	1
#6	ROTARY MOTOR	1	#25	FRONT COVER	1
#7	STATIONARY MOTOR	1	#26	ALUMINUM TUBES	1
#8	FAN	1	#27	BEARING	2
#9	PROTECTION COVER	1	#28	SCREW	2
#10	BODY	1	#29	CONDENSER	1
#11	CONNECTING ROD	2	#30	COMPRESSION NUT	1
#12	DIAPHRAGM	2	#31	ALUMINIUM CONNECTOR-1	1
#13	PLYWOOD	2	#32	OUTLET VALVE ROB-1	1
#14	SPRING GASKET	2	#33	NUT	4
#15	SCREW	5	#34	SCREW	4
#16	CONNECTION-ROD COVER	2	#35	RUBBER PAD	4
#17	MUSHROOM SEALED TAPE	2	#36	RUBBER STOPPER	2
#18	GASKET	2	#37	CYLINDER HEAD-2	1
#19	CYLINDER HEAD-1	2	#38		

7. Air compressor structure



- a. Power plug
- b. Connection
- c. Handle
- d. Rubber pad