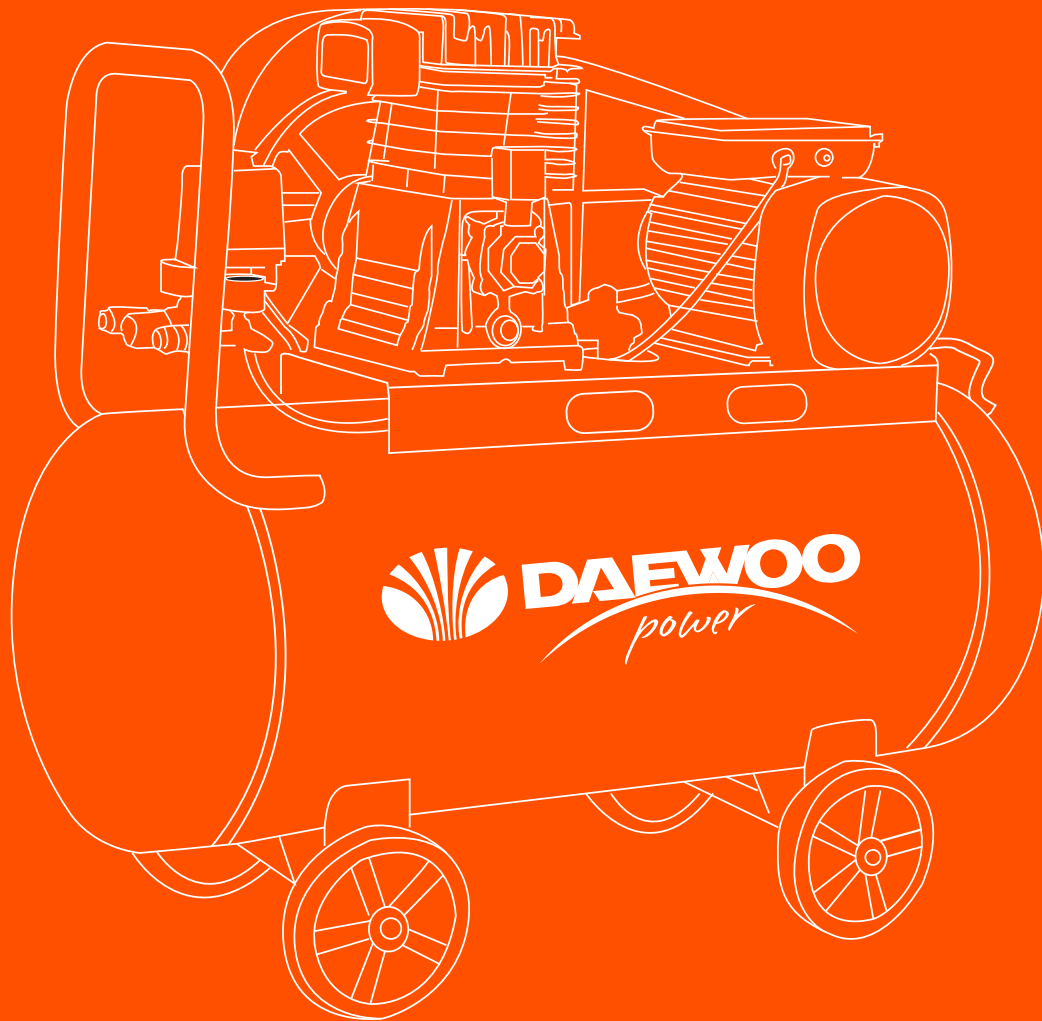




DAEWOO
POWER PRODUCTS

DAAX500L
Belt air compressor



USER'S MANUAL

www.daewoopowerproducts.com

Manufactured under license of Daewoo International Corporation, Korea

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1. INTRODUCTION

You've received the air compressor you had longed for. Probably you've already had knowledge of it, but in order to make it serve you always in a good condition, read the manual carefully please. Operate according to the manual, you'll get the best economy and efficiency from your new compressor.

Check the compressor when you received it

- (1) Make sure it is the model and specification you ordered.
- (2) Check the spare parts according to the list attached.
- (3) If damage and loosening occurs during the transport, contact the seller please. He will give you a satisfied solution.

2. SAFETY INFORMATION

2.1 Specified conditions of use

This machine is intended to generate compressed air tools.

Any use for medical purposes, food processing as well as filling of oxygen cylinders for breathing equipment is not permitted.

Explosive, combustible gases or gases detrimental to health may not be compressed. Operation in hazardous locations is not permitted.

Any other use is not as specified. Use not as specified, alteration of the machine or use of parts that are not approved by the equipment manufacturer, can cause unforeseeable damage!

Children, juveniles and persons not having been instructed in its usage are not permitted to operate this machine and any air tools connected to it.

2.2 General safety information

1) Keep bystanders, particularly children, out of the work area. Do not permit other persons to touch the tool or power cable while the machine is running.

(2) Don't perch on the machine, or use it to hold you

(3) Before each use, inspect compressed air system and electrical components for signs of damage, deterioration, weakness or leakage, repair or replace damaged parts before using the equipment

(4) Observe the status accident insurance institution regulations and regulations for the prevention of accidents pertaining to the operation of air compressors and air tools, where applicable.

(5) To prevent the motor damage by overloading, the compressed air in tank should be released before operation.

(6) The cylinder head and pipes must be very hot during working, this is normal phenomenon.

(7) To ensure safety, be sure to switch off the power after work or power failure during work.

(8) Be sure to install air switch before connect the power

General hazard!

(1) Keep your work area tidy, a messy work area easy to lead accidents

(2) Consider environmental conditions.

(3) Keep work area well bright.

(4) Do not operate the machine near inflammable liquids or gases.

Danger! Risk of electric shock!

- (1) Do not expose the machine to rain.
- (2) Do not operate the machine in damp or wet environment.
- (3) Prevent body contact with earthed objects such as radiators, pipes, cooking stoves or refrigerators when operating this electric tool
- (4) Do not use the power cable for any purpose it is not intended for.

Risk of personal injury by escaping compressed air and parts hurled about by escaping air!

- (1) Never direct compressed air against persons or animals!
- (2) Ensure all air tools and accessories used are designed for the working pressure or are supplied via a pressure regulator.
- (3) Please note that, when disconnecting the quick coupler, the compressed air contained in the pressure hose will escape all of a sudden. You should therefore firmly hold the air hose when disconnecting it
- (4) Ensure all screwed connections are fully tightened at all times.
- (5) Do not attempt to repair the machine yourself! Only trained specialists are permitted service or repair compressors

Hazard generated by oil saturated compressed air!

- (1) Use oil saturated compressed air only for air tools requiring such supply.
- (2) Do not use an air hose used to supply compressed air containing oil to supply air tools not designed for operation on compressed air containing oil.
- (3) Do not fill tires with compressed air containing oil.

Risk of burns from the surfaces of parts carrying compressed air!

Let machine cool off before servicing.

Risk of personal injury and crushing by moving parts!

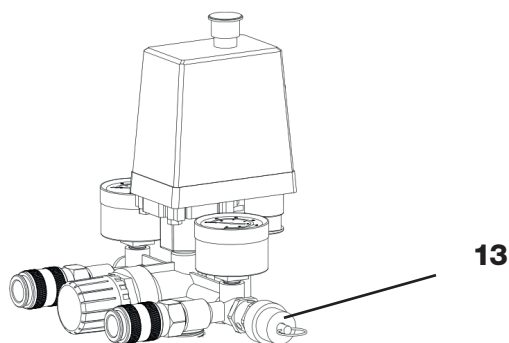
Please note that the compressor will start automatically when the pressure falls off to minimum!-disconnect from power supply prior to any servicing

Hazard generated by insufficient personal protection gear!

- (1)Wear hearing protection.
- (2)Wear safety glasses.
- (3)Wear mask respirator when work generates dust or mist detrimental to health.
- (4)Wear suitable work clothes. When working outdoors wearing of nonslip shoes is recommended.

2.3 Safety devices

Safety valve



The safety valve is incorporated into the pressure switch unit, the safety valve opens if the max, permissible pressure is exceeded, Will be not accepted adjustment

3. OPERATION

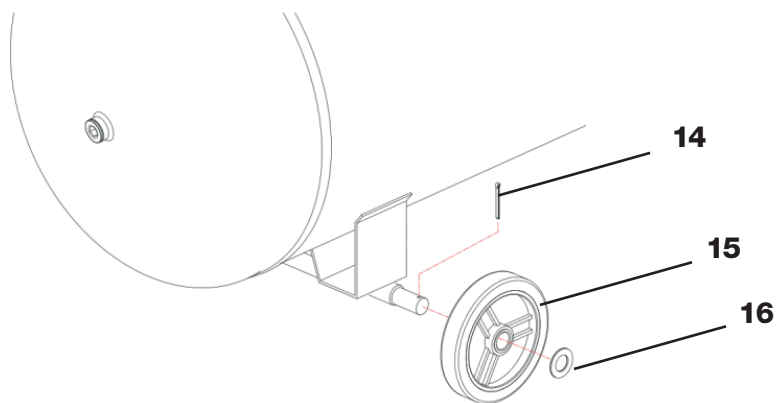
(1) Working place:

*install the compressor in a well ventilated, probably dust and moisture free environment.

*a bright place where oil can be easily added.

*a level place for assemble and check the compressor easily. The belt side should near the wall, but a distance at least 30cm for the fan's normal work.

(2) Install wheel



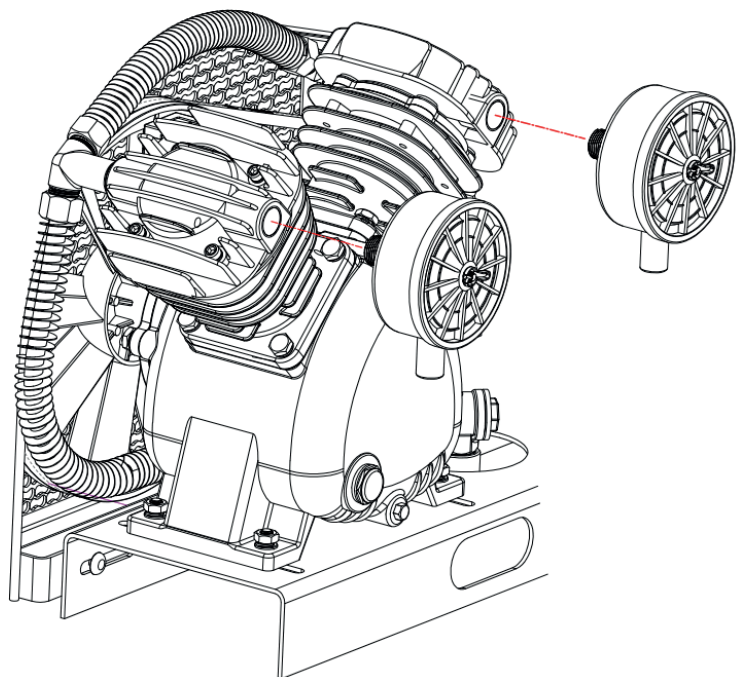
The wheel install includes the following:

- 4pcs Wheel(15)
- 4pcs key(14)
- 4pcs spring washer(16)

Install wheel as illustrated

(3) Install air intake filter

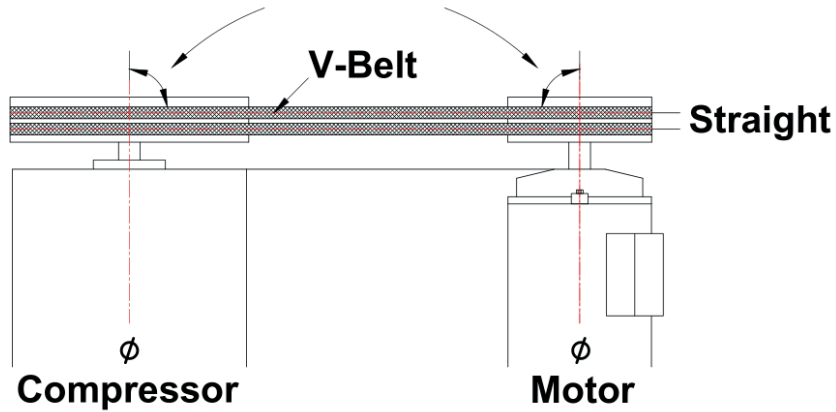
Install air filter on air intake as illustrated



(4) Motor

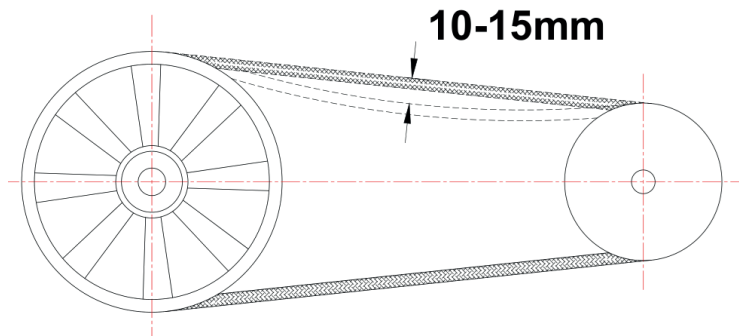
*Install your own motor that match the compressor.

*Install the V-belt as showed in the figure.



*Adjust belt tension.

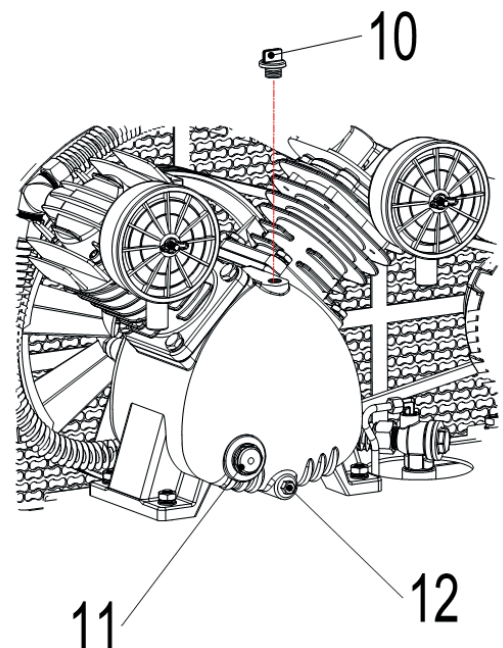
The belt must a give of about 10-15mm with a space at it's center, as showed in the figure:



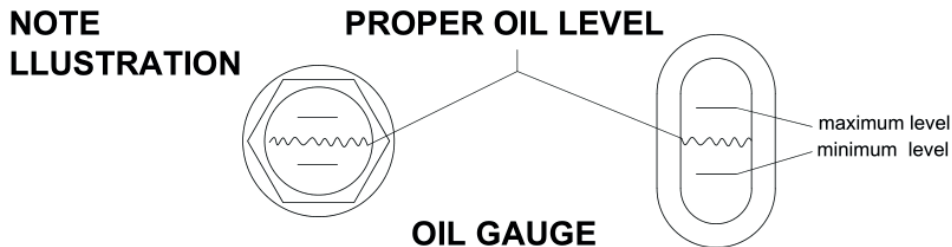
**Such things may happen if the belt is too tight: increase the loading, motor get hot, waste energy and break the belt.

**Such things may happen if the belt is too loose: sliding produce high temperature, damage the belt, irregular revolution.

(5) Filling with oil



Remove the oil plug (10)
 Fill with oil up to the centre of the level indicator(11)
 Install back the oil plug(10)



*The lubricant oil should be of oilness and contain inhibitor, not easy to be oxidized, get densified or foamed, low residual carbon, high flash point.

*Oil level should maintain in the red scope of the level glass. Too much oil is a waste, also adsorb carbon to the valve. Too less oil may cause damage or tear and wear.

*Change oil when it get dark or when greasy dirt is found(about 300 hours operation)

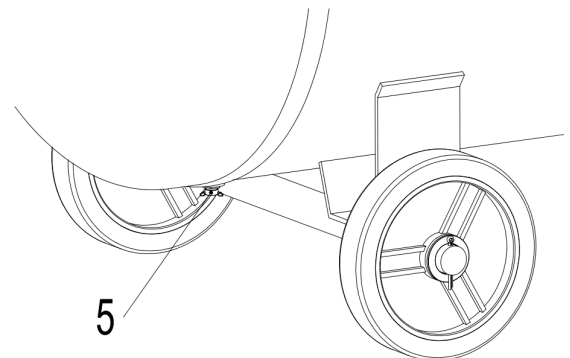
*Loosen the outlet bolt under the bottom of crank case to let the oil out, use paperboard or something else to facilitate its out, incline forward the compressor also do some help. When all old oil is out. Tighten the bolt and add new oil to the middle level of the red scope in level glass(to prevent leakage, apply anti-oxygen glue to the bolt).

*Do not add new oil during running.

*Do not use high viscosity lubricant oil or other waste oil.

(6) Check drain valve

Check to see that the condensate drain's screw is closed



The working pressure of safety valves should be 0.5 - 1kg,

(7) Mains connection

Danger!High voltage

Operate machine in dry envi-ronment only

Operate machine only on a power source complying with the following requirements

-outlets properly installed, earthed and tested;

-fuse protection in accordance with the Technical Specifications.

Position power cable so it does not interfere with the work and is not damaged.

Always check to see that the machine is switched OFF before plugging in.

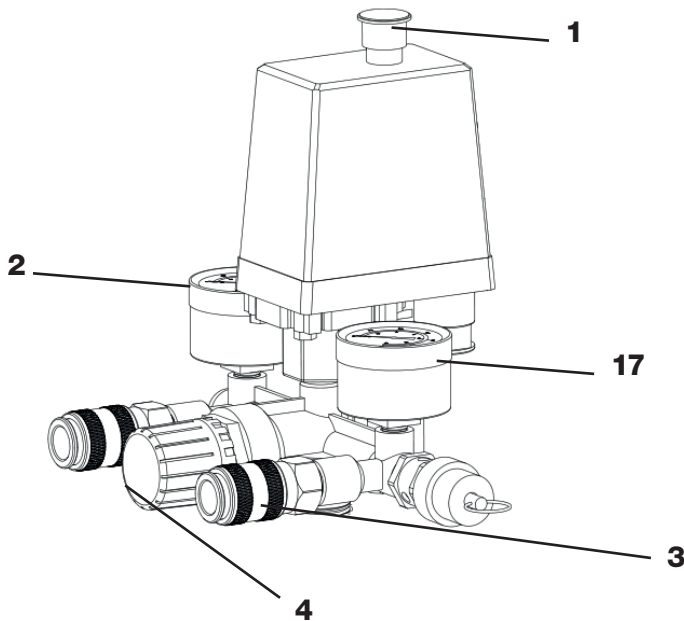
Protect power cable from heat, aggressive liquids and sharp edges.

Use only extension cables with sufficient lead cross section(see" Technical Specifications").

Do not stop the compressor by unplugging, but switch OFF using the switch.
Unplug after use.

(8) Generating compressed air

1. Start compressor(1) and wait until the max. Tank pressure is reached (compressor shuts off).
The tank pressure is indicated by the tank pressure gauge(2).



2. Set pressure regulator(4) to required working pressure. The current working pressure is indicated by the regulated pressure gauge(17).

Caution!

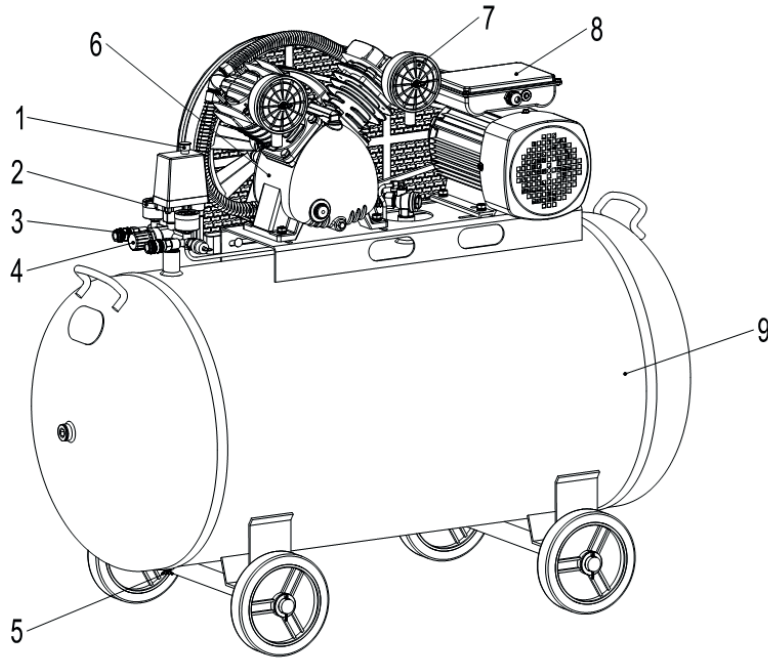
The regulated pressure may not be set higher than the max. working pressure of the connected air tools

Connect air hose to compressed air outlet(66)

Connect air tool you are now ready to work with the air tool

Switch the compressor OFF(1) if you do not continue working immediately afterwards, Unplug after switching OFF

4. GENERAL VIEW AND MAIN COMPONENTS



1. Pressure switch
2. Pressure gauge
3. Quick connector
4. Regulator valve
5. Drain valve
6. Crankcase
7. Air filter
8. Motor
9. Tank

5. MAIN TECHNICAL PARAMETER

DAAX500L

Power: 10 hp / 7.5 kW

Tank capacity: 500 L

Cylinder: 3*90 mm

Air filter type: Plastic

Pressure: 8 bar / 115 psi

Engine speed: 870 rpm

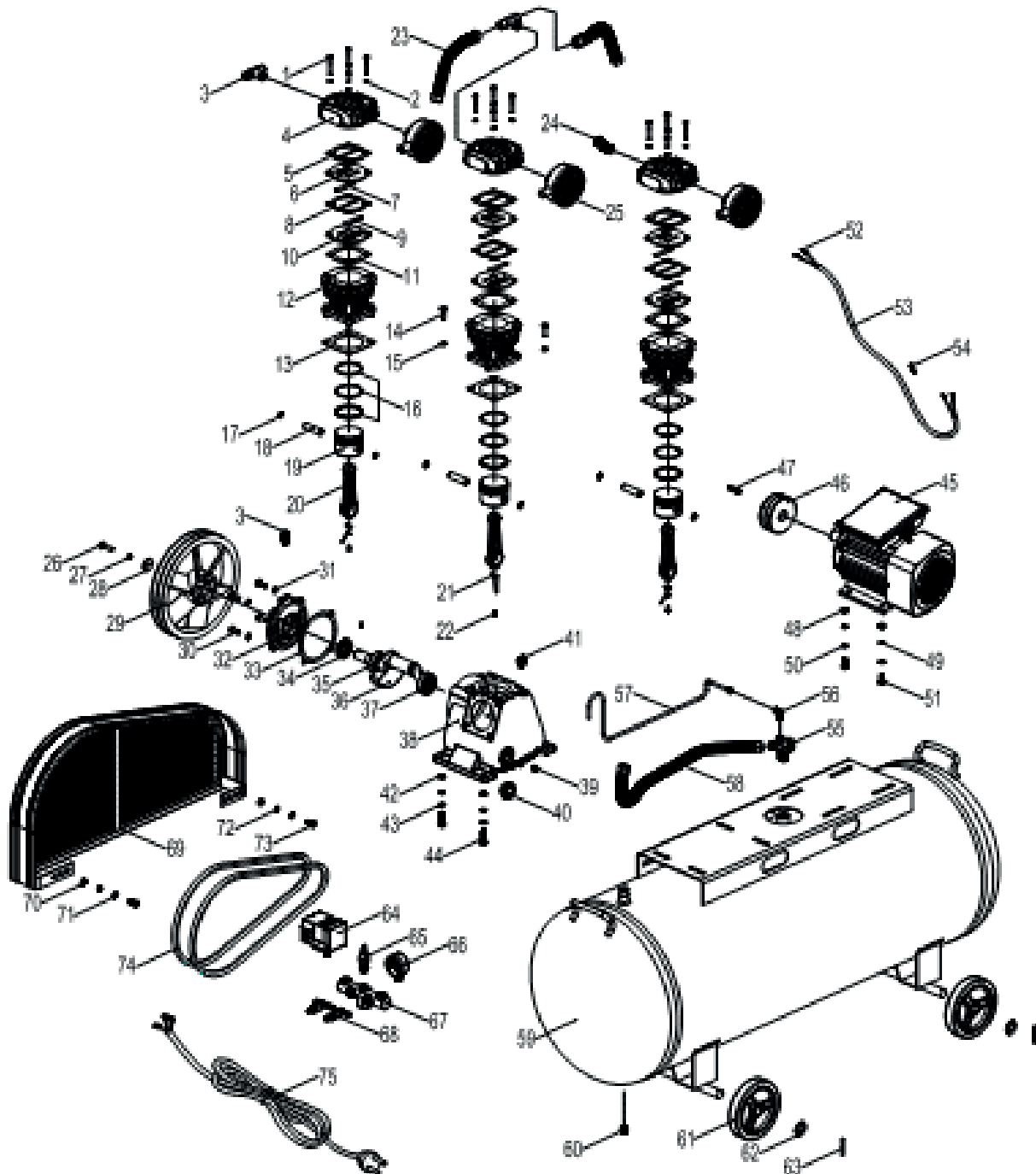
Flow: 995 L/min

Noise: 91 dB

6. AIR COMPRESSOR PARTS LIST

When requesting information, service or spare parts, please always quote the model, type and serial number of your compressor.

Contact us by mail, you will receive satisfied service.



No	Parts name	60	Drain valve
1	Bolt	61	Wheel
2	Spring washer	62	Plain washer
3	Connecting three holes	63	Pin
4	Cylinder head	64	Pressure switch
5	Cylinder head gasket	65	Safety valve
6	Valve plate	66	Pressure gauge
7	Valve sheet	67	Air cock assembly
8	Valve plate aluminum gasket	68	Ball valve
9	Valve sheet	69	Safety net
10	Valve plate	70	Nut
11	Valve plate gasket	71	Spring washer
12	Cylinder	72	Plain washer
13	Cylinder gasket	73	Bolt
14	Bolt	74	Belt
15	Spring washer	75	Plug cord
16	Piston ring		
17	Snap spring		
18	Piston pin		
19	Piston		
20	Connecting rod		
21	Oil needle		
22	Bolt		
23	Connecting pipe		
24	Elbow		
25	Air filter		
26	Bolt		
27	Spring washer		
28	Plain washer		
29	Pulley		
30	Bolt		
31	Spring washer		
32	Front cover		
33	Front cover gasket		
34	Oil seal		
35	Bearing		
36	Crank		
37	Bearing		
38	Crank case		
39	Bolt		
40	Oil leveler		
41	Oil plug		
42	Nut		
43	Spring washer		
44	Bolt		
45	Motor		
46	Motor pulley		
47	Motor pin		
48	Nut		
49	Plain washer		
50	Spring washer		
51	Bolt		
52	Terminal		
53	Lead wire		
54	Insulating sheath		
55	Check valve		
56	Elbow		
57	Unloading tube		
58	Exhaust pipe		
59	Air tank		

7. MAINTENANCE

Prior to each use

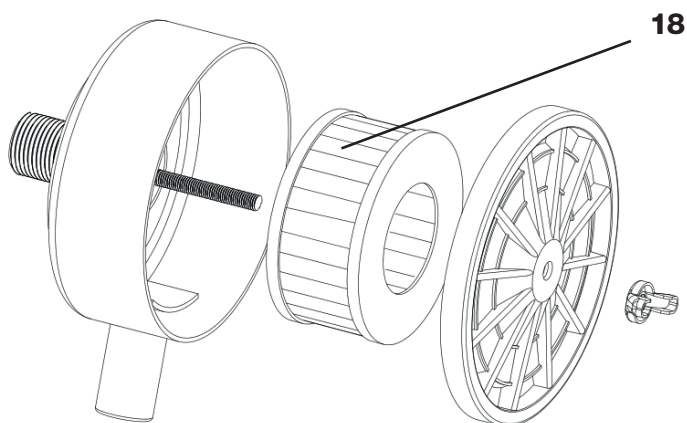
(1) Check air hoses for damage, replace if necessary.

(2) Check all screwed connections for tightness, tighten if necessary.

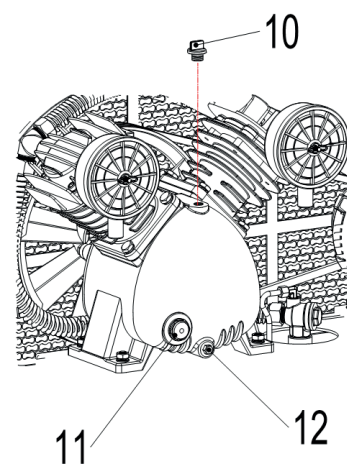
(3) Check power supply cable for damage, if necessary have replaced by a qualified electrician.

(4) Every 150 operating hours

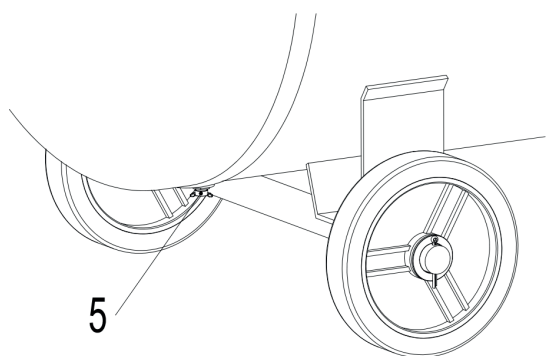
Check air filter element(18)of compressor pump, clean if necessary }



(6) Check oil level of pump at oil sight glass(11), top up oil if necessary



(7) Drain condensate from pressure vessel(5).



Release water and greasy dirt every day after work through the outlet valve under the bottom of the tank.

(8) Every 300 operating hours
Drain oil and fill with fresh oil.

(9) Every 1000 operating hours
Have unit serviced by an authorized service station. This will extend the compressor's service life considerably.

(10) Make sure the wires and switches correspond to the specifications, and the wire connections. Rotation direction is correct.

(11) The pulley of the compressor should be easily turned by hand.

8. TROUBLES AND REMEDIES LIST OF GOODS

The air compressor can be turned:

TROUBLESHOOTING CHART			
No	PROBLEM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
1	Direction of rotation is wrong	Wire connection is incorrect	Change wire connection
2	Compressor parts is too hot	Working pressure is too high	Reduce working pressure
		Inlet air pipe is too small and too long	Use big and short pipe
		Residual carbon in air strainer or valve	Clean them
		Valves damage or not positioned	Repair by specialist
		Leakage in gasket	Change new ones
		Out of use of outlet system	Change new ones
		Piston ring or cylinder damage	Repair by specialist
		Too high rotation speed	Slow down the speed
		Improper lubrication	Lubricate according to the manual
		Bad ventilation or high temperature	Change the working place to a well ventilated one
3	Low rotation speed	Low voltage	Check by the power co.
		The wire is too thin and too long	Use thick and short wire
		The belt is loose	Adjust it
		Trouble of motor	Repair by specialist
4	Uibration during operation	Pressure is too high	Reduce the pressure
		Too high rotation speed	Slow down the speed
		V-belt not in its correct way or the flywheel is loose	Readjust them
		Irregular crank	Repair by specialist

5	The pressure can't be increased or can't reach the scheduled ones	Gasket in bad condition Or leakage in gasket	repair or change gasket
		Value seat spring is out of use	change by new ones.
		Residual carbon or paint, etc attaches to the gasket.	Clean the gasket
		Leakage in safety valve or automatically outlet valve.	Repair or clean or change new ones.
		Air value water outlet valve pipe joints or screws leakage	Repair or change new ones
		Piston ring damage	Change new ones
6	"ki-ki" noise during working.	Valve seat is loose	Fix it
		Piston strike the cylinder head	Fix it
		Piston strike the cylinder head	Change the gasket
		The alloy of connecting rod bearing is torn and worn	Repair or change new ones
		Belt wheel or wheel pin is loose.	Fix it
7	Pressure gauge is incorrect		Change new ones
8	Belt sliding	The belt is loose	Adjust it
		Working pressure is too high	Reduce the working pressure
		The belt is old	Change new ones
9	Consume too much lubricant oil.	Add too much oil	Adjust oil level
		Piston ring damage	Change new ones
		Cylinder damage	Change new ones
10	Motor is too hot	Pressure is too high, over loading	Reduce working pressure

		Low voltage or long wire	Check by power co. or use short and thick wire
		Outlet valve damage Bearing damage	Change new ones
		Piston damage	Change or repair
		The belt is tight or in bad position	Adjust it
		Current volume is bigger than rated volume	Change a bigger hp compressor
		Out put pressure is higher than rated pressure	Reduce working pressure
		Intake pipe is too small too long	Use big and short pipe
		Air strainer block	Clean it
		Valves damage or not well positioned	Repair by specialist
		Gasket damage	Change new ones
		Piston ring or cylinder damage	Change new ones.
		V-belt is loose.	Adjust it
		Loading reduction valve pin is not completely separated.	Adjust it
11	Out put air volume is small	Leakage in outlet pipe	Change new ones
		Loading reduction valve rod or other parts damage.	Change or repair
		Block or leakage in loading reduction pipes.	Change or clean
12	Loading reduction out of function	Loading reduction piston block	Repair or change
		Output pressure is higher than rated pressure.	Reduce working pressure
		Loading reduction system out of function.	Change or repair
		Scheduled loading reduction pressure is too high.	Reduce it
13	Tank pressure is too high or the safety value buzzes.	Pressure gauge damage	Change new ones

		Loading reduction pipe leakage	Check and change
		Scheduled safety valve pressure is too low or damage.	Adjust safety valve pressure or change the value.
14	Valves damage	Valves dir	Clean them
		Pressure too high	Reduce working pressure
		Valve seat is too hot	Clean the outlet pipe
		Valve seat is loose	Fix it
		Dirt in valve seat	Clean it
		Gasket broken	Change new ones

The air compressor can not be turned:

TROUBLESHOOTING CHART			
No	PROBLEM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
1	Silent	Power failure	Contact power co
		Wire or fuse broken	Change or repair
		Motor breakdown	Repair by specialist
2	Motor buzz but do not work	Wire or fuse broken	Change new ones
		Low voltage	Check by power co.
		Leakage in outlet value	Repair the value
		Incorrect wire connection	Adjust them
		Motor breakdown	Repair by specialist
		Motor over-loading	Reduce the loading
		Crank is too tight	Repair it
		Inlet air pipe is too small and too long	Use big and short pipe

DECLARATION OF CONFORMITY

AIR COMPRESSOR
Model: DAAX500L

Brand:  **DAEWOO**

We GBR Corp. LTD, Room 1002, 10/F., David House, 8-20 Nanking Street, Jordan, Kowloon, Hong Kong, China, declare under our sole responsibility that this product is in conformity and accordance with the following standards and regulations.

The undersigned is responsible for the compilation of technical documentation.

Satisfies the requirement of the Council Directives:

Machinery Directive 2006/42/EC
Low Voltage Directive:2014/35/EU Electromagnetic Compatibility 2014/30/EU
EN ISO 12100:2010,EN 1012-1:2010,EN 60204-1:2018,EN IEC 61000-6-1:2019
EN 61000-6-3:2007+A1:2011+AC:2012,EN IEC 61000-3-2:2019,EN 61000-3-3:2013+A1:2019

Signature and Stamp on undersigned responsible.

Date:01-01-2022



WARRANTY CARD

Product model	Date of sale
Serial number	Company
Username	Client's signature

The product is in good conditions and fully complete. Read and agree the terms of the warranty.

GUARANTEE

The warranty period starts from the date of sale of the products and covers 2 years for all power products.

During the warranty period, free failures caused due to the use of poor-quality materials in the production and manufacturer workmanship admitted fault are removed. The guarantee comes into force only when warranty card and cutting coupons are properly filled. The product is accepted for repair in its pure form and full completeness.

WARRANTY DOES NOT COVER

- Mechanical damage (cracks, chips, etc.) and damage caused by exposure to aggressive media, foreign objects inside the unit and air vents, as well as for damage occurred as a result of improper storage (corrosion of metal parts);
- Failures caused by overloading or product misuse, use of the product for other purposes. A sure sign of overload products is melting or discoloration of parts due to the high temperature, simultaneous failure of two or more nodes, teaser on the surfaces of the cylinder and the piston or destruction of piston rings. Also, the warranty does not cover failure of the automatic voltage regulator due to incorrect operation;
- Failure caused by clogging of the fuel and cooling systems;
- Wearing parts (carbon brushes, belts, rubber seals, oil seals, shock absorbers, springs, clutches, spark plugs, mufflers, nozzles, pulleys, guide rollers, cables, recoil starter, chucks, collets, removable batteries, filters and safety elements, grease, removable devices, equipment, knives, drills, etc.);
- Electrical cables with mechanical and thermal damage;
- Product opened or repaired by a non-authorized service center.
- Prevention, care products (cleaning, washing, lubrication, etc.), installation and configuration of the product;
- Natural wear products (production share);
- Failures caused by using the product for the needs related to business activities;
- If the warranty card is empty or missing seal (stamp) of the Seller;
- The absence of the holder's signature on the warranty card.

DAEWOO	DAEWOO	DAEWOO
	Product	
	Model	
	Company	
	Date of sale	



DAEWOO
POWER PRODUCTS

www.daewoopowerproducts.com

Manufactured under license of Daewoo International Corporation, Korea