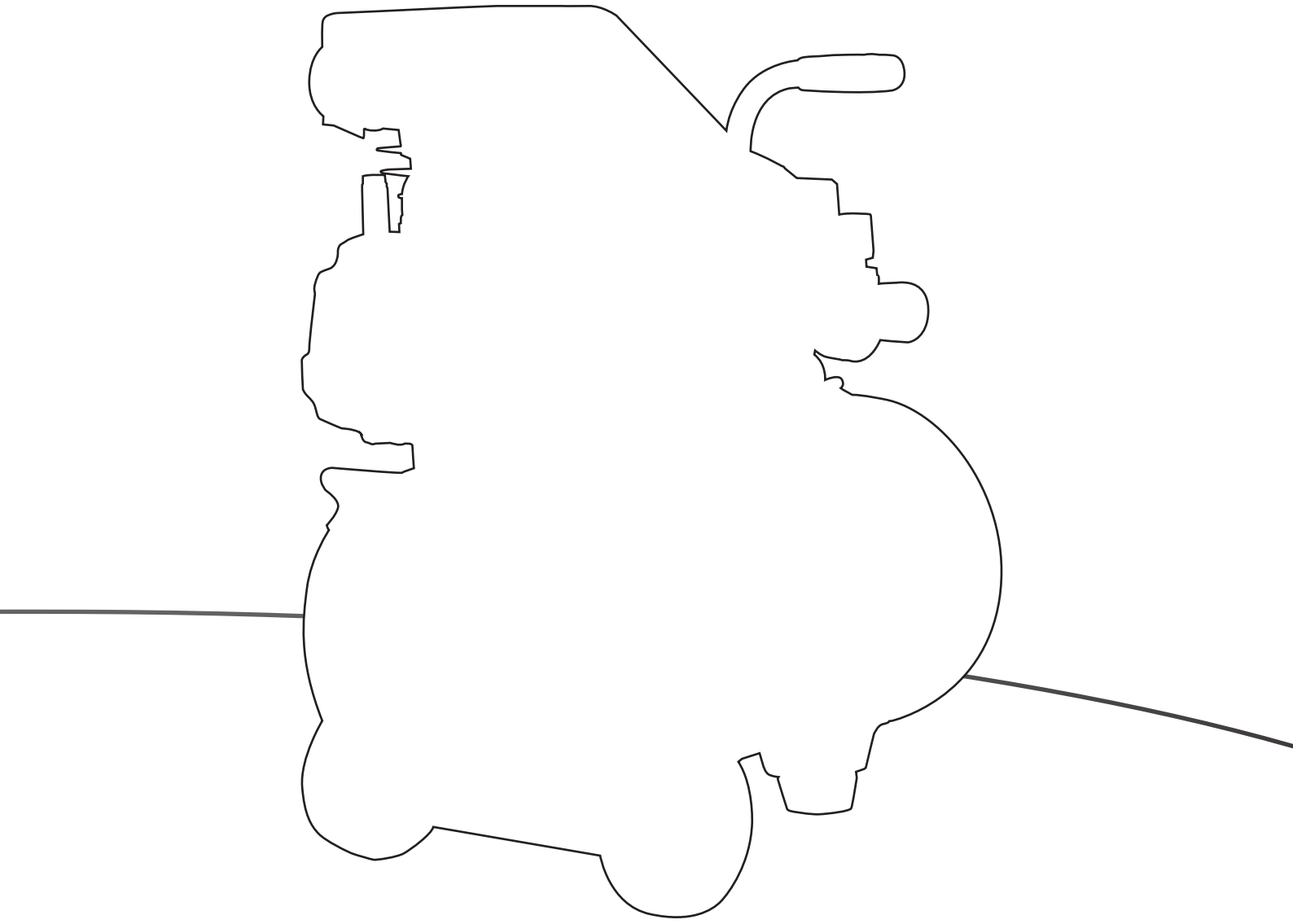

AIRCOMPRESSOR

BL 24 AIR

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BL 24 AIR

1. GENERAL SAFETY RULES FOR ALL MACHINES

N.B.: Read the instructions carefully in order to avoid any problems.

As with all machinery there are certain hazards involved with operation and use of this machine. Using the machine with respect and caution will considerably lessen the possibility op personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may occur. Observe these rules insofar as they are applicable to this particular machine.
This machine was designed for certain applications only. We strongly recommend that this machine NOT be modified in any way and/or used for any application other than for which it was designed.
If you have any questions relative to its application DO NOT use the machine until you have contacted your dealer.

1. For your own safety read the instruction manual before operating the tool.
2. Keep all guards in place and in working order.
3. Ground all tools.
4. Remove adjusting keys and wrenches. Make a habit of checking the machine before turning it on.
5. Keep the work area clean. Cluttered areas and benches invite accidents.
6. Do not use in a dangerous environment, such as damp or wet locations or expose to rain. Always keep the work area well-lit.
7. Keep children and visitors away. They must be kept at a safe distance from the machine at all times.
8. Make sure that the work area is not accessible to unauthorised persons. Use padlocks, master switches, remove starter keys etc.
9. Never overload the machine. The capacity of the machine is at its largest when properly loaded.
10. Do not force the machine or attachment to do a job for which it was not designed.
11. Wear proper apparel. No loose clothing, gloves, neckties, rings, necklaces, bracelets or jewellery: they may get caught in moving parts. No slip footwear is recommended. Wear a hairnet to contain long hair.
12. Always wear safety glasses and work according to safety regulations. Use a face or dust mask if operation is dusty.
13. Always secure workpiece tightly using a vise or clamping device. This will keep both hands free to operate the machine.
14. Do not overreach. Keep your proper footing and balance at all times.
15. Maintain tools in top condition. Keep them sharp and clean. Read the instructions carefully and follow the instructions for cleaning, lubrication and tool replacement.
16. Lubricate the machine and fill all oil reservoirs before operation.
17. Disconnect tools before servicing and when changing accessories such as blades, bits, cutters etc.
18. Use only recommended accessories. Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.
19. Avoid accidental starting. Make sure the on/off switch is in the "OFF" position before plugging in the power cord.
20. Never stand on the machine or tools. Serious injury could occur if the machine is tipped or if the cutting tool is accidentally touched.
21. Check damaged parts. Replace or repair damaged parts immediately. Check machine for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
22. Direction of feed. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
23. Never leave tool running unattended. Do not turn power off until it has come to a complete stop.
24. Alcohol, medication, drugs. Never us the machine while under the influence of alcohol, medication or drugs.
25. Make sure the tool is disconnected from the power supply, before servicing, repairing etc.
26. Keep the original packing for future transport or relocation of the machine.

2. Additional safety rules

Always keep in mind that:

- the machine must be switched off and disconnected from the power supply during maintenance and repairs,
- clamped workpieces may only be measured when the machine is switched off.

Never lean over the machine, mind loose clothing, ties, jewellery etc. and wear a cap.
Do not remove safety devices or guards. Never use the machine while a guard is open.
Always use safety glasses for machining rough materials.
Burrs and chips should only be removed using a sweeper or other aid, never with your bare hands!
Never leave the machine running unattended.

Always wear safety glasses!

3. Specification

Tank capacity	24 l	**Speed**	2850 min-1
Motor power	1.5 kW	**Voltage**	230 V
Max. consumption	198 ltr/min	**Weight**	25 kg
Max. pressure	8 bar	**Dimensions (w x h)**	580 x 260 x 580 mm

4. Machine parts

Air Regulator: The Air Regulator controls the air flow pressure. Tum regulator clockwise to increase air pressure, counter-clockwise to decrease.
Handle: Convenient, rubber gripped handle allows for easy transport of your Air compressor.
Air Outlet: Using Air Quick Coupler allows for fast easy connection to an air hose. Otherwise Air Cock turn clockwise to stop air, turn counter-clockwise to release air.
Tank Drain Valve: The Tank Drain Valve can be opened to allow moisture and compressed air to be released from the air Tank.
Warning: Tank Drain Valve should always be opened slowly to avoid damage to equipment and possible injury.
Air Filter: This Air filter keeps your compressor running cleanly, by filtering out impurities.
Oil Breather: As the compressor motor operates pressurized air must be released from the crank case. The Oil Breather allows built up air to escape, while shielding you Air Compressor from airborne impurities.
Pressure Switch: The red knob Pressure Switch turns the Air Compressor on and off. When Switch -is pulled-up position, compressor is turned ON. When switch is in pushed - down position, compressor is turned OFF.

Note: Always make sure that compressor Pressure Switch is in the OFF position before performing and maintenance or plugging the compressor into a power supply.

Safety Valve: The Safety Valve device relieves pressure from the Air Tank in the event of excessive pressure build up. The Safety Valve is preset at factory. Do not attempt to make any adjustments to the Safety Valve. Periodically pull ring on the Safety Valve end to check that it is working properly.
Air Tank: Powder coated steel tank, stores the compressed air until it is needed.

1. ing it clockwise.
2. The spindle return spring adjustment is complete.

5. Getting started

Before operating your tool, check the contents of the box to make sure you have everything you need.
Items included in the box:

- Air Compreessor
- Air Filter
- Oil Breather
- Wheels(2)
- Mounting Hardware for Wheels
- Owner's Manual

6. Assembly

Note: Before performing any assembly or maintenance make compressor be turned off and unplugged from the power supply.

6.1 Installing the wheels

1. Locate the wheels, hex bolts, washers, and wheel nuts.
2. Insert hex bolt through wheel rim and wheel bracket in place located on the bottom rear of the air compressor.
3. Slide washer on the end of bolt.Securely tighten bolts and wheel nuts in place with a wrench.
4. Repeat step 2 to 3 for remaining wheel. (fig 1)

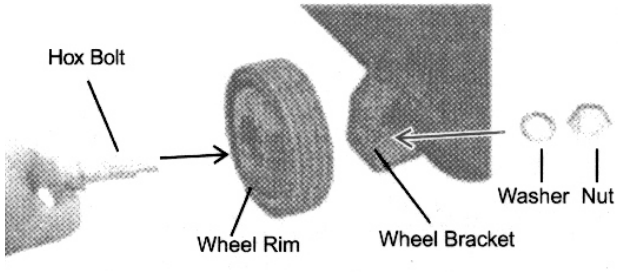


Fig 1

6.2 Installing the Oil and Oil Breather

Before you starting the air compressor please remove the white oil stopper and add oil into crankcase.
Before starting the air compressor you must verify oil the crankcase and install the oil breather as described below:

1. Place compressor on level ground.
2. Remove the Plastic Oil Stopper the Oil Fill Hole.
3. Verify oil in the Crankcase.If the oil level down to the center of the red dot on the oil Sight Glass, slowly pour the oil into the Oil Fill Hole until the oil level rises to the red dot.
4. Insert the Oil Breather into the Oil Fill Hole. Firmly hand tighten the Oil Breather by turning clockwise.

Note: This compressor uses only SAE20 or SAE30 non-detergent motor oil. (See Figure2.1-2.2)

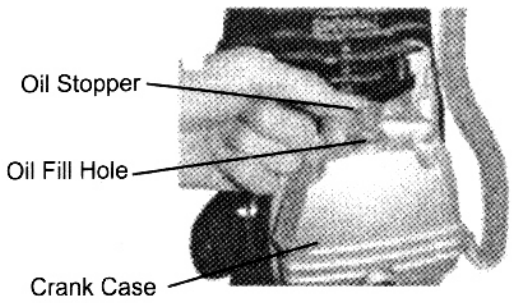


Figure 2.1

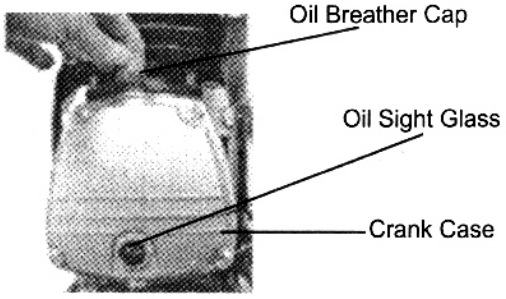


Figure 2.2

6.3 Installing the Air Filter

The Air Filter is installed into the threaded port of the Cylinder Head.

1. Thread the Air Filter into the Cylinder Head by turning the Air Filter clockwise.
2. Securely tighten the Air Filter in place with a wrench.

Note: DO NOT over tighten Air Filter.

7. Operation

7.1 Before operating your new air compressor

Please check the following points carefully:

1. Check that all nuts and bolts are secure.
2. Make sure oil has been properly added to compressor.

(See installing the Oil and Oil Breather section)

7.2 Initial Start-Up Procedure

1. Open the Air Tank Drain Valve to permit air to escape preventing air from pressure buildup in Air Tank.
2. Run the air compressor for a minimum of 20minutes in this "up-load"position to libricate the piston and bearing.
3. Close Air Tank Drain Valve . Your compressor is ready for use.

Depending on the CFM draw of the tools being operated, your new Air C ompressor can be used for operating paint sprayers, air tools, grease guns, air brushed, caulking guns, abrasive blasters, tire & plastic toy inflation, spraying weed killer and insecticides, etc. Proper adjusting the Air Pressure Regulator is necessary for all of these operations. Refer to the air pressure specifications provided with the tool you are using.

7.3 General Overview

To compress air, the piston moves up and down in the cylinder. On the down stroke air is drawn in through the valve inlet. The discharge valve remains closed. On the upstroke of the piston air is compressed; the inlet valve closes and air is forced out through the discharge valve ,through the check valve, and into the air tank. Working air is not available untill the compressor has raised; the tank pressure above that required in the air service connection. The air inlet filter openings must be kept clear off obstructions, which could reduce air delivery of the compressor.

7.4 Installation and Location

Locate the compressor in a clean, dry and well ventilate area. The compressor should be located 12 to 18 inches against walls or any other obstruction which would interfere with airflow. Place the compressor on a firm, level surface. Keep all of spare parts which collect dust or dirt clean. A clean compressor runs cooler and provides longer servisce. Do not place rag, containers or other materials on top of the compressor.

7.5 Connecting to Power Source

This Air Compressor is designed to operate on a properly grounded 220 (110) V, 50(60)HZ, single phase, alternating current (AC) power source. It is recommended that a qualified electrician verify the ACTUAL VPLTAGE at the receptacle into which unit will be plugged and confirm that the receptacle is properly fused and grounded. The use of the proper circuit size can eliminate nuisance circuit breaker tripped whie operating your air compressor.

7.6 Extension Cords

For optimum Air Compressor performance an extension cord should not be used unless absolutely necessary. If necessary, care must be taken to select an extension cord appropriate for use with your specific Air Compressor. Select a properly grounded extension cord which will mate directly with the power source receptacle and the Air Conpressor power cord without the use of adapters. Make certain the extnsion cord is properly wired and in good electrical condition. Extension cords must be #14 gauge or I mm2 at the smallest. Do not use an extension cord over 25ft. in length.

7.7 Attaching an Air Hose

Your Air Compressor is ready to accept air hoses with (1/4")Male Plug or (1/4")Female Hose End. To install an air hose into Air Cock or Air Quick Coupler, equipped with proper conneeter. Verify that air hose is securely connected to Air Outlet by pulling lightly on air hose.

Note: Use only Air Hoses rated for use with 115PSI air pressure or higher.

7.8 Adjusting the Air Pressure

Your Air Compressor is equipped with an air pressure requlator. This regulator adjust the air pressure.
To increase Air Pressure, turn Air Regulator clockwise.
To decrease air pressure, turn Air Regulator counterclockwise.

8. Maintenance

8.1 Daily (or before each use)

l. Check oil level
2. Drain condensation from the Air Tank.
3. Check for any unusual noise or vibration.
4. Be sure all nuts and bolts are tight.

8.2 Weekly

Clean breather hole on oil breather.

8.3 Monthly

Inspect air system for leaks by applying
Tighten these joints if leaks are discovered.
or after 250hourse of operation-whichever comes first)
Change air compressor oil.
Note: Change oil more often if air compressor is used near paint spraying operations or in dusty environments.

8.4 Checking the Air Compressor Oil

1. Place Air Compressor on level surface. The oil level should be at the red dot on the Oil Sight Glass.
2. If oil level is low, remove Oil Breather and add enough oil to bring the oil level to the red dot on the Oil Sight Glass.
3. Replace Oil Breather before starting compressor.

8.5 Changing the Air Compressor Oil

1. Remove the Oil Sight Glass by tuming counter clockwise with wrench.
   Note: Oil will begin to drain as Oil Sight Glass is loosened.Place a funnel and oil pan in place ***before*** loosening Oil Sight Glass.
2. Once Oil Sight Glass is removed, tilt Air Compressor backwards to allow all of the oil to drain out of the crankcase.
3. Once oil is drained, replace Oil Sight Glass and securely tighten in place with a wrench. Be careful not to over tighten the Oil Sight Glass, this will damage the rubber seal.
4. Place Air Compressor on level surface.
5. Remove the Oil Breather.
6. Slowly pour the oil into Oil Fill Hole, untill the oil level rises to the center of the red dot on the Oil Sight Glass.
7. Install the Oil Breather into the Oil Fill Hole. Firmly hand tight the Oil Breather by turning clockwise.

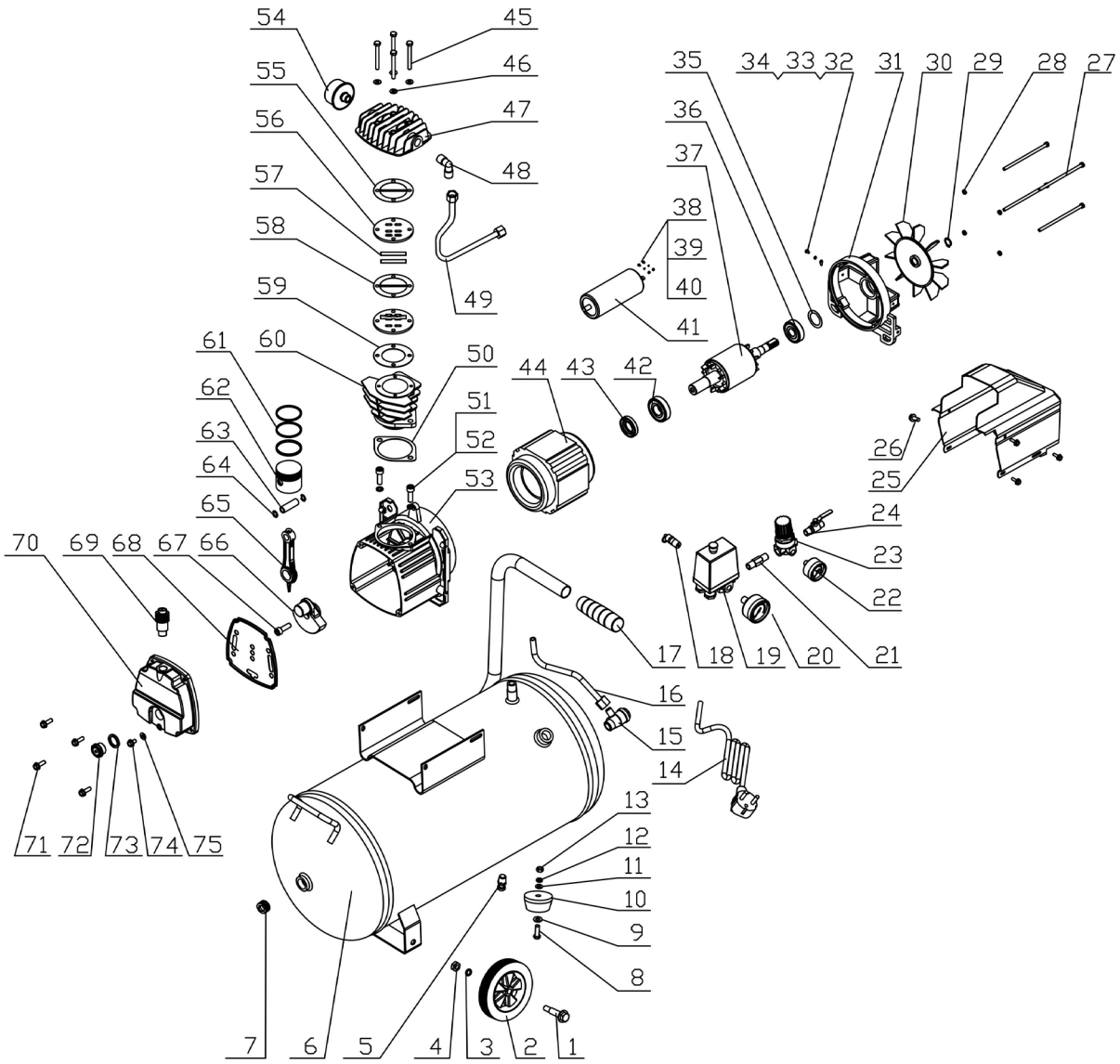
Always inspect the tool before use, and make sure it is in good working condition. Make sure all air vents are clear, (use compressed air to clean the machine if possible). Check the power cable to make sure it is intact and free from cracks, bare wires etc. To avoid using solvents when cleaning plastic parts, most plastic are susceptible to damage from the various types of commercial solvents.

9. Troubleshooting

Trouble	Possible cause	Corrective action
Compressor won't start	1 Blowen fuse or Circuit breaker tripped. 2. Loose electrical connections	1. Replace or Reset Fuse/ Circuit Breaker 2. Check Wiring connections
Low Pressure	1. Restricted Air Filter 2. Defective Check Valve 3. Air Leak in Safety Valve	1. Replace Air filter 2. Replace Air Valve 3. Check Valve by pulling upwards on ring. If condition persists, replace valve.
Safety Valve Releasing	1. Defective Pressure Switch	1. Replace Pressure Switch
Oil Discharge in Air	1. Improper Oil Viscosity 2. Too much oil in Crankcase 3. Compressor over heated 4. Restricted oil Breather	1. Replace oil with SAE20 or SAE30 no-detergent oil. 2. Drain Crankcase and refill to proper level on Oil Sight Glass 3. Reduce air pressure regulation 4. Clean or Replace Oil Breather.

10. Explosion Drawing and Parts List

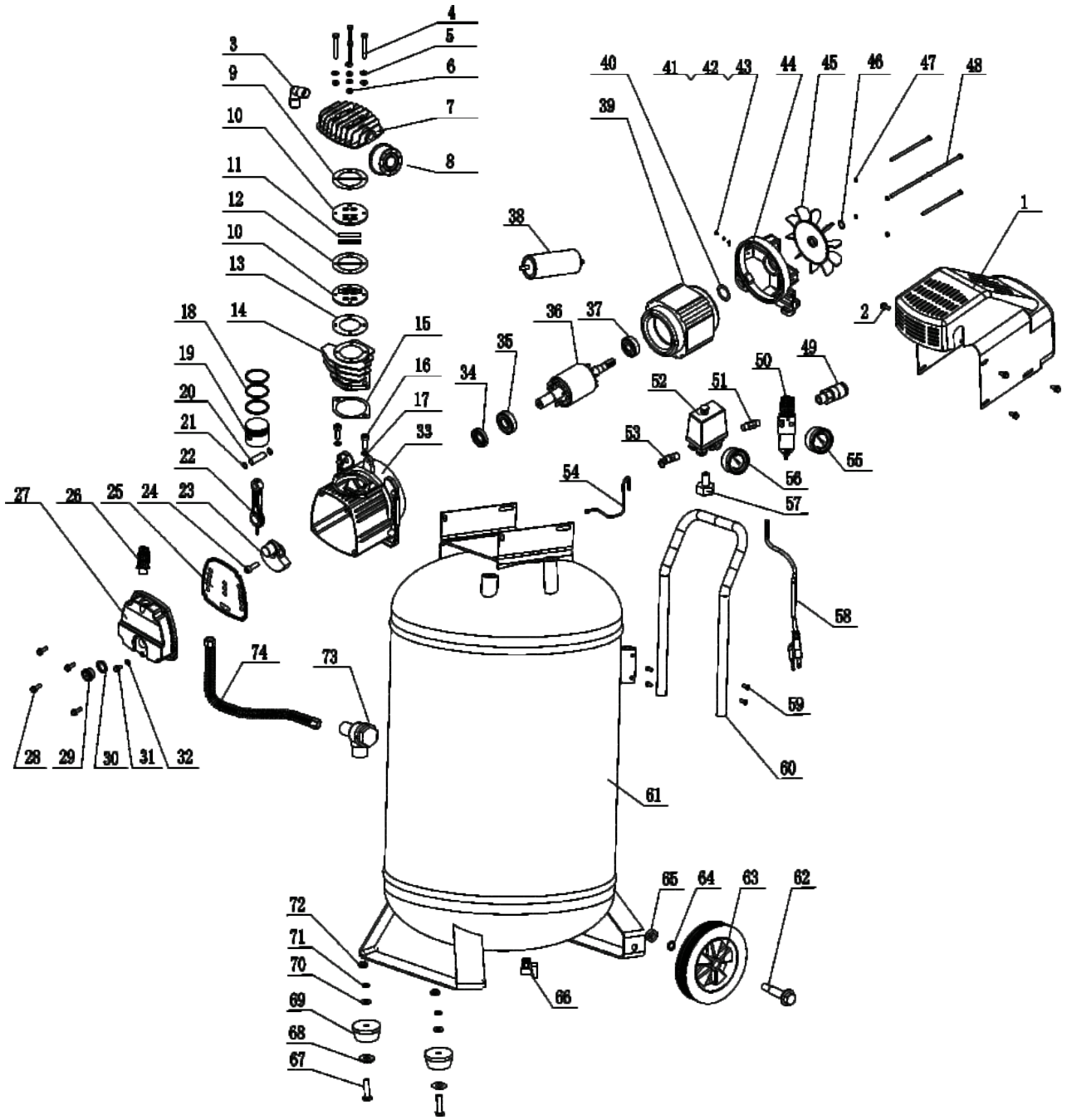
10.1 Explosion drawing A



10.2 Parts list A

NO.	Description	Q'TY	NO.	Description	Q'TY
1	Bolt	2	39	Spring Washer	2
2	Wheel	2	40	Plain Washer	2
3	Spring Washer	2	41	Capacitor	1
4	Nut	2	42	Bearing	1
5	Drain Valve	1	43	Oil Seal	1
6	Tank	1	44	Stator	1
7	Stopper	2	45	Bolt	4
8	Bolt	1	46	Spring Washer	4
9	Plain Washer	1	47	Cylinder Head	1
10	Foot Support	1	48	Elbow	1
11	Plain Washer	1	49	Pipe	1
12	Spring Washer	1	50	Cylinder Gasket	1
13	Nut	1	51	Bolt	2
14	Plug	1	52	Spring Washer	2
15	Check Valve	1	53	Crank case	1
16	Pipe	1	54	Air Filter	1
17	Handle Cover	1	55	Cylinder Head Gasket	1
18	Saferty Valve	1	56	Valve Plate	2
19	Pressure Switch	1	57	Valve	2
20	Pressure Gauge	1	58	Aluminium Gasket	1
21	Connector	1	59	Valve Plat Gasket	1
22	Pressure Gauge	1	60	Cylinder	1
23	Water Filter	1	61	Piston Ring	1
24	Air Cock	1	62	Piston	1
25	Cover	1	63	Piston Pin	1
26	Bolt	6	64	Circlip	2
27	Bolt	4	65	Connecting Rod	1
28	Spring Washer	4	66	Crankshaft	1
29	Circlip	1	67	Bolt	1
30	Fan	1	68	Gasket	1
31	Rear Support	1	69	Oil Breath	1
32	Bolt	1	70	Front Cover	1
33	Gasket	1	71	Bolt	4
34	Ground Connection	1	72	Oil Pointer	1
35	Gasket	1	73	Gasket	1
36	Bearing	1	74	Bolt	1
37	Rotor	1	75	O Ring	1
38	Bolt	2	76	Quick Coupler	1

10.3 Explosion drawing B



10.4 Parts list B

NO.	Description	Q'TY	NO.	Description	Q'TY
1	Cover	1	38	Capacitor	1
2	Bolt	6	39	Stator	1
3	Elbow	1	40	Gasket	1
4	Bolt	4	41	Screw	1
5	Spring Washer	4	42	Gasket	1
6	Plain Washer	4	43	Ground Connection	1
7	Cylinder Head	1	44	Rear Support	1
8	Air Filter	1	45	Fan	1
9	Cylinder Head Gasket	1	46	Circlip	1
10	Valve Plate	2	47	Spring Washer	4
11	Valve	2	48	Bolt	4
12	Aluminum	1	49	Quick Coupler	1
13	Valve Plat Gasket	1	50	Water Filter	1
14	Cylinder	1	51	Connector	1
15	Cylinder Gasket	1	52	Pressure Switch	1
16	Bolt	2	53	Safety Valve	1
17	Spring Washer	2	54	Pipe	1
18	Piston Ring	1	55	Pressure Gauge	1
19	Piston	1	56	Pressure Gauge	1
20	Piston Pin	1	57	Connector	1
21	Circlip	2	58	Plug	1
22	Connecting Rod	1	59	Screw	4
23	Crankshaft	1	60	Handle	1
24	Bolt	1	61	Tank	1
25	Gasket	1	62	Bolt	2
26	Oil Breath	1	63	Wheel	2
27	Front Cover	1	64	Spring Washer	2
28	Bolt	4	65	Nut	2
29	Oil Pointer	1	66	Drain Valve	1
30	Gasket	1	67	Bolt	1
31	Screw	1	68	Plain Washer	2
32	O Ring	1	69	Foot Support	2
33	Crank Case	1	70	Plain Washer	2
34	Oil Seal	1	71	Spring Washer	2
35	Bearing	1	72	Nut	2
36	Rotor	1	73	Checl Valve	1
37	Bearing	1	74	Pipe	1

Our products are frequently updated and improved. Minor changes may not yet be incorporated in this manual. Always state the year of build, type and serial number of the machine in correspondence.

Manufacturer and importer assume no responsibility for defects which result from not reading the manual carefully or wrong use of the machine. No rights can be derived from this manual.

 Internet: www.huvema.nl

CE DECLARATION OF CONFORMITY

(in accordance with supplement II A of the Machinery Directive)

Industrie & Handelsonderneming Huberts bv, Kennedylaan 14, 5466 AA Veghel, the Netherlands, in the capacity of importer, is to be held responsible for declaring that the Huvema machine:

Aircompressor BL 24 air which this declaration relates to, is conform the following norms:

NEN-EN-ISO 12100:2010, NEN-EN-IEC 60204-1:2006/C11:2010, NEN-EN-IEC 61000-6-4:2007, NEN-EN-IEC 61000-6-2:2007

As described in the:

- Machinery Directive: 2006/42/EC
- Low Voltage Directive: 2006/95/EC
- EMC Directive: 2004/108/EC

Veghel, the Netherlands, January 2017

L. Verberkt
Managing Director

Hüvema