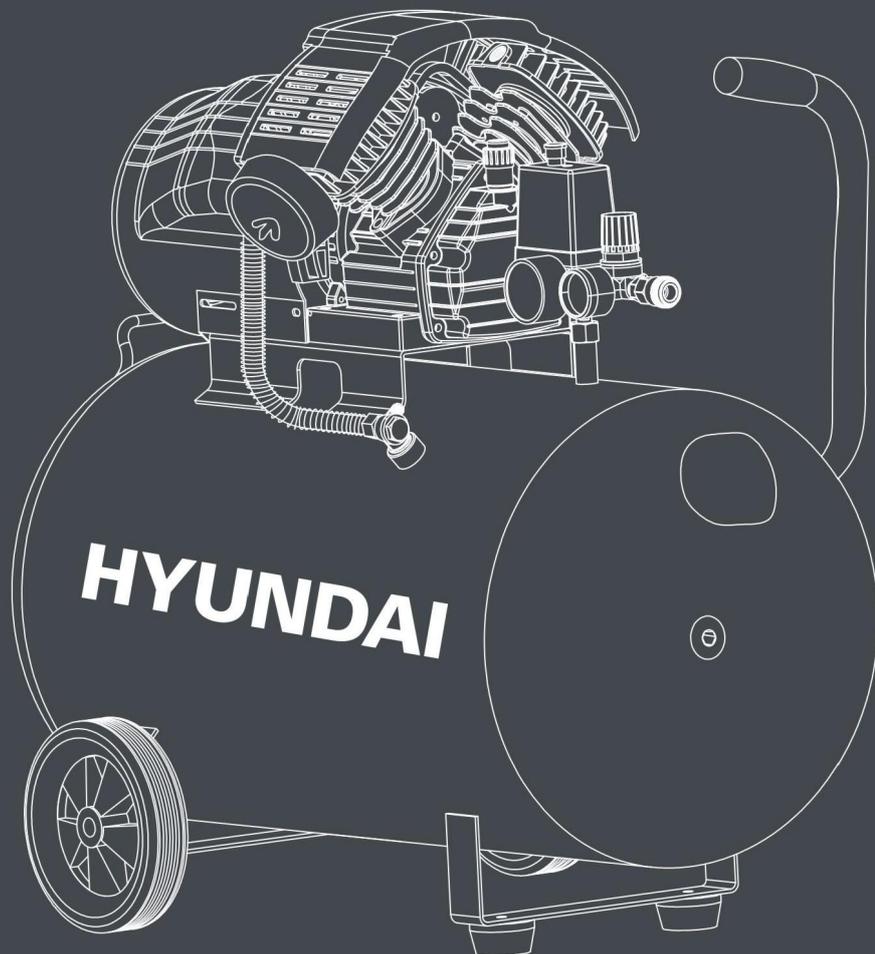


HYUNDAI
POWER PRODUCTS

**AIR COMPRESSOR
HC100L-A**

ORIGINAL INSTRUCTIONS





Caution! The user should carefully read all the instructions before operating this machine and keep this manual for future reference.

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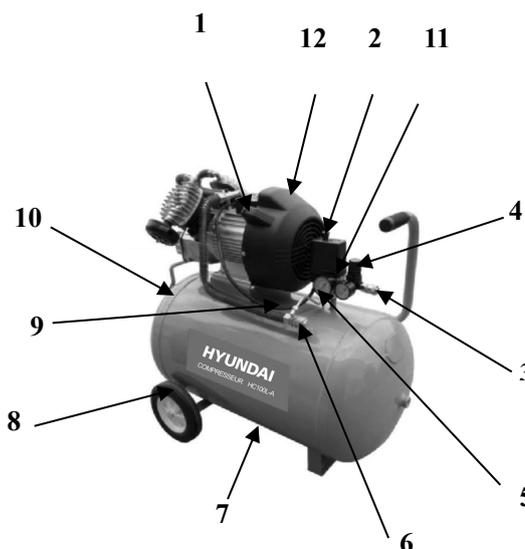
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I. Product presentation

This air compressor features a new design and excellent quality. Having the advantage of being compact, with beautiful design layout, lightweight, easy to handle, highly reliable and quiet, it is suitable for many applications in the mechanical and chemical industries, for spraying and decoration, automatic control systems, as well as in any other field requiring compressed air.

II. Components name

1. Main compressor
2. Pressure switch
3. Output valve
4. Adjusting valve
5. Pressure manometer
6. Non-return valve
7. Drain valve
8. Wheel
9. Discharge pipe
10. Air tank
11. Safety valve
12. Fan cover



III. Technical features

Power supply	220V-230V AC / 50Hz
Max power	2200W/3HP
Type of electric motor	2 poles
Max rotation speed	2850 min ⁻¹
Amperage	9,2 A
Discharge pressure	115PSI/0.8 MPa
Air flow rate	12.3CFM ,0.349M ³ /MIN, 369 L/MIN
Air outlet diameter	1/4"
Air tank capacity	100L
Sizes	L785x W485x H770 mm
Net weight/ Gross weight	55kg
Class	B
Degree of protection	IP20
Sound power level	95.2dB(A), K=1,96dB(A)

Sound pressure level	75,2dB(A), K=1,96dB(A)
Guaranteed sound power level	97dB(A)

Input temperature: 10°C -40°C, intermediate temperature: 170-200°C, Discharge Temperature: 10°C -40°C.

Input pressure: 0 Bar

Intermediate and discharge pressure: 0~8Bar.

Lubrication system pressures and temperature limits: 8Bar, 200°C

Note: the noise emission has been measured according to the conditions provided for in the standards EN1012 and EN ISO 2158.

IV. Checks on receipt

After unpacking the machine, check the contents of the box for

- ▶ possible transport damage. Immediately inform the dealer, carrier and/or manufacturer in case of a complaint. Please note that subsequent claims are not accepted.
- ▶ The conformity of the Product reference and technical specifications with your order.
- ▶ all parts according to the following packing list:

N°	Name	Qty.
1	Air compressor	1
2	Air filter	1
3	Breather	1
4	Rubber gasket	1
5	Operating instructions	1

V. Safety Instructions

A. Safety symbols and labels

IMPORTANT:

The following symbols may be used on the machine. Please read them to understand their meaning.

Compliance with the instructions in the manual allows the device to be used more efficiently, reducing risks.



- Read the operating instructions.
- Wear ear protection.
- Do not open the valve before connecting the air hose.
- The device can be switched on automatically.
- Risk of high temperature.
- Risk of electric shock.
- Do not use the portable compressor with the door or fence open.

B. General safety instructions

Warning! To reduce the risk of discharges, injuries and fires when using electrical equipment, observe the following general safety instructions. Please read them carefully before using your electrical equipment. Keep this operating manual in a safe place for future reference.

1. **Keep the work area clean.** Cluttered work areas and workbenches are often a source of injuries.
2. **Consider the environment of the work area.** Do not expose your compressor to rain or use it in damp places. Keep the work area clear. Never use your compressor in case of fire or explosion hazards.
3. **Protection against electric shock.** Avoid having your body in contact with grounded surfaces (such as pipes, radiators, cooking units, refrigerators).
4. **Keep children away from the work area.** Never allow people touch the compressor, power cable or extension cord.
5. **Store the compressor properly.** If the compressor is not used, keep it in a dry place, out of the reach of children, either high up or under lock and key.
6. **Never force your compressor.** It works better and in a safer way if used at the speed for which it has been designed.
7. **Wear appropriate clothing.** Never wear loose clothes or jewellery. They

could get tangled in the moving parts. Rubber gloves and non-slip shoes are recommended for outdoor work. Wear a protective helmet if you have long hair.

8. **Wear eye protection.** Also wear a dustproof mask
9. **Do not damage the power cable.** Never carry the compressor by its cable or pull on it to disconnect it from the power socket. Keep the cable away from heat sources, greasy areas and sharp objects.
10. **Never overestimate your strengths.** Always keep a firm position and maintain your balance.
11. **Always be sure that maintain with care your compressor.** Keep your compressor clean for better performance and safety. Observe the maintenance instructions. Check the power cable regularly and, in the event of a defect, have it replaced by a qualified repair technician. Check the extension cords regularly and replace them if they are damaged. Keep handles dry, clean and free from grease or oil.
12. **Disconnect the tools.** If your compressor is not used or maintained
13. **Remove the tools from your compressor.** Routinely check that the adjustment tensioners are removed before activating the tool.
14. **Avoid unintentional starts.** Make sure that the switch is in the OFF position before connecting it to the mains.
15. **Only use extension cords for outdoor use.** Only use extension cords designed for this purpose.
16. **Always stay alert.** Watch your work. Use common sense. Do not use the compressor if you are tired.
17. **Check the defective or damaged parts of your compressor.** Before reusing your compressor, we strongly recommend that you carefully check the protective accessories and other parts to determine if the device can operate and perform its functions properly. Check that the moving parts are properly attached, that no pieces are broken, that the device is properly assembled and that no other factors might affect its operation. Unless otherwise specified in the operating instructions, any damaged protective accessory or damaged part should be repaired by a qualified and authorized company. Never use the compressor if the switch no longer activates or deactivates the tool.
18. **Use original or equivalent spare parts recommended by the manufacturer or dealer.** The use of accessories other than those mentioned in the operating instructions may cause damage and injuries.
19. **Always have the compressor repaired by an authorised professional maintenance service.** This compressor complies with safety standards. Repairs can only be performed by a qualified service, using original spare

parts. If this condition is not met, the user could be exposed to considerable danger.

20. **Connect a dust extraction device.** If the compressor features a housing to connect a dust collection or extraction device, make sure that it is properly connected and used.
21. **Wear ear protection.** Prolonged exposure to the noise emitted by the device may result in hearing damage.
22. **Wear respiratory protection.** There is a risk of inhaling harmful gases and fumes.
23. **Please refer to the standard EN 12021 for acceptable levels of contaminants in breathing air.** In all areas accessible to people, the concentration of transformed gases that can move in breathable air should be kept at acceptable levels.

C. Safety instructions specific to this compressor

1. Before operating the machine, install the air filter, breather, wheels and skids (Fig. 2).



(Fig.2)

2. Never unscrew the connection pieces when the tank is under pressure.
3. Never disassemble an electrical component before disconnecting the device.
4. Never adjust the safety valve needlessly.
5. Never use the compressor with a power supply that is too weak or too powerful.
6. Never switch off the device by disconnecting the electrical plug rather set the switch to OFF.
If the drain valve does not work and the engine stops look for the cause immediately, otherwise the engine may be damaged.
7. Make sure that the oil cooling devices are in place and the protective devices are maintained in proper condition.

8. The lubrication oil should be clean, the oil level should be kept at the recommended level on the scale.
9. High oil viscosity during cold start, clogging of the oil filters or causing a malfunction of the valve can lead to a lack of oil.
10. Disconnect the plug to turn off the power and open the output valve.
11. Do not use the compressor in an environment where there is a risk of explosion.
12. Please wear hearing protection when operating the machine.
13. Beware of fuel formation in the inlet pipe.
14. The user of this machine should receive training and obtain the required qualification.
15. Caution: during use, the high-pressure line and relief valve may become very hot.
16. When the tank is under pressure, all the locking pieces attached to it should not be removed.
17. Only remove the locking pieces when the machine is disconnected.
18. If the engine stops after turning on the machine or if the speed is lower than normal, turn it off immediately.
19. If the engine jams due to excessively high temperature, stop and disconnect the machine, and investigate the cause.
20. If the machine does not stop automatically under a pressure higher than 8 Bars, switch it off immediately by hand, and investigate the cause.
21. If a strange noise is produced, turn off the machine immediately, and investigate the cause.
22. If the oil level in the compressor is too low, switch off the machine and add compressor oil.
23. Do not install the compressor on excessively hot or cold surfaces.

When using the compressor, close all windows and doors.

Do not use the compressor on extremely hot or cold surfaces. Risk of freezing, fire and accidents. The air compressor should not be used at temperatures below 0°C.

There is a risk of inhaling harmful gases, mists and vapours. Wear a protective mask. Do not expose yourself to gases and vapours.

There is a risk of coke formation in the distribution piping that could cause a fire or explosion.

All hoses and fittings should be suitable for field use at the maximum allowable pressure.

For the oil:

Replace the lubricating oil after 100 hours of use; Unscrew the oil cap when changing the oil. Add lubricating oil using a funnel. However, changing the oil after every 500 hours is recommended. Fill with oil when the ambient temperature is above 10°C:

recommended oil: SAE30 or L-DAB100 compressor oil recommended

For the air filter:

The air filter should be cleaned at least once a month.

The air compressor should be kept away from any flammable materials. The compressor should not be used in such applications unless appropriate additional precautions are taken;

High oil viscosity during cold start, clogged oil filters or valve malfunction can lead to oil failure.

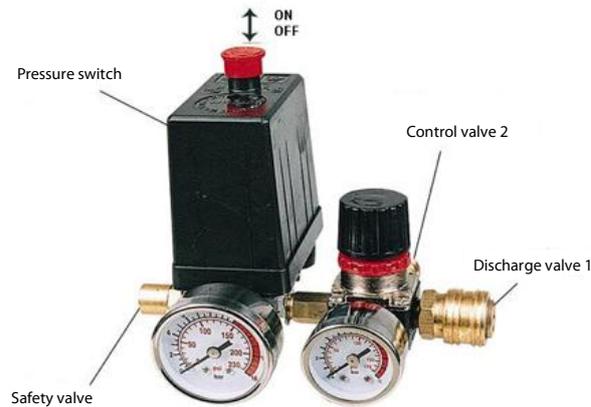
VI. Preparation before use

- Mount the wheels supplied with the machine.
- Replace the oil filter.
- Mount the air filter.
- Install the compressor in a dry, clean, low-dust, well-ventilated area, allowing the compressor to work more efficiently and have a longer service life.
- Install the compressor in a sufficiently bright, convenient place for the oil filling.
- Install the compressor on a flat floor area to ensure the stability of the compressor during operation.
- Keep a 50-80cm wide passage around the compressor to ensure good ventilation and facilitate handling and maintenance of the machine.

VII. Adjustment and Use

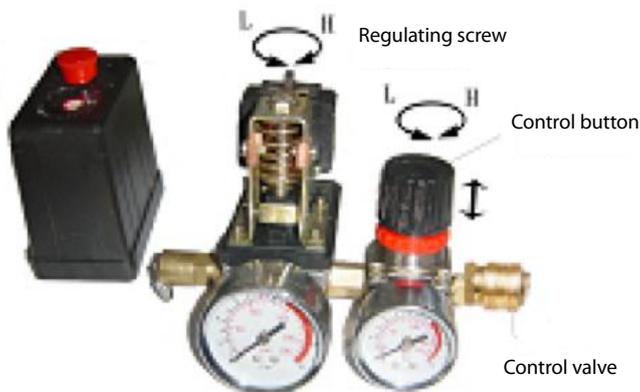
Caution! Only for indoor use

1. The compressor should be used in a clean, dry and ventilated area.
2. Operating conditions: use the compressor only at a temperature between 0 and 35°C.
3. Make sure to use a voltage $\pm 5\%$ of the recommended voltage.
4. Maintain the oil level at the red circle filler cap.
5. Use SAE30 or L-DAB100 compressor oil above 10°C, and SAE10 or L-DAB68 below 10°C.
6. Open the output valve, turn the pressure switch knob to ON (Fig. 3), run the compressor idle for 10 minutes to lubricate the moving parts before normal use.



(Fig.3)

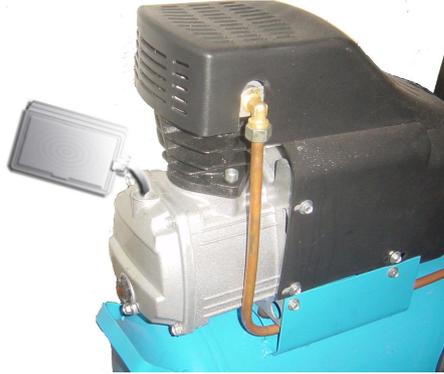
7. the compressor is controlled by a pressure switch during normal operation. It stops automatically when the pressure reaches its maximum level or restarts automatically when the pressure drops to its minimum level. The maximum and minimum pressure levels have been preset at the factory. These settings should not be changed without valid reasons. As soon as the electric engine is switched off, the compressed air contained in the discharge pipe should be released by the discharge valve located under the pressure switch. This is a necessary condition for the next start, otherwise the engine will be damaged. The nominal pressure can be adjusted by turning the pressure switch setting knob (Fig. 4).
8. The compressed air outlet pressure can be adjusted by acting on the adjusting valve. Pull the knob on the adjusting valve and turn it clockwise or counter-clockwise to increase or decrease the pressure (Fig. 4).
9. To stop the compressor, simply set the pressure switch knob to OFF.



(Fig.4)

VIII. Maintenance

- Clean the crankcase and change the oil after the first 10 hours of operation.
- Check the oil level every 20 hours, refill if needed (Fig. 5).
- Open the drain valve under the tank to clear condensation every 60 hours of operation.
- Clean the crankcase and change the oil, clean the air filter, check the safety valve and pressure manometer every 120 hours of operation.



(Fig.5)

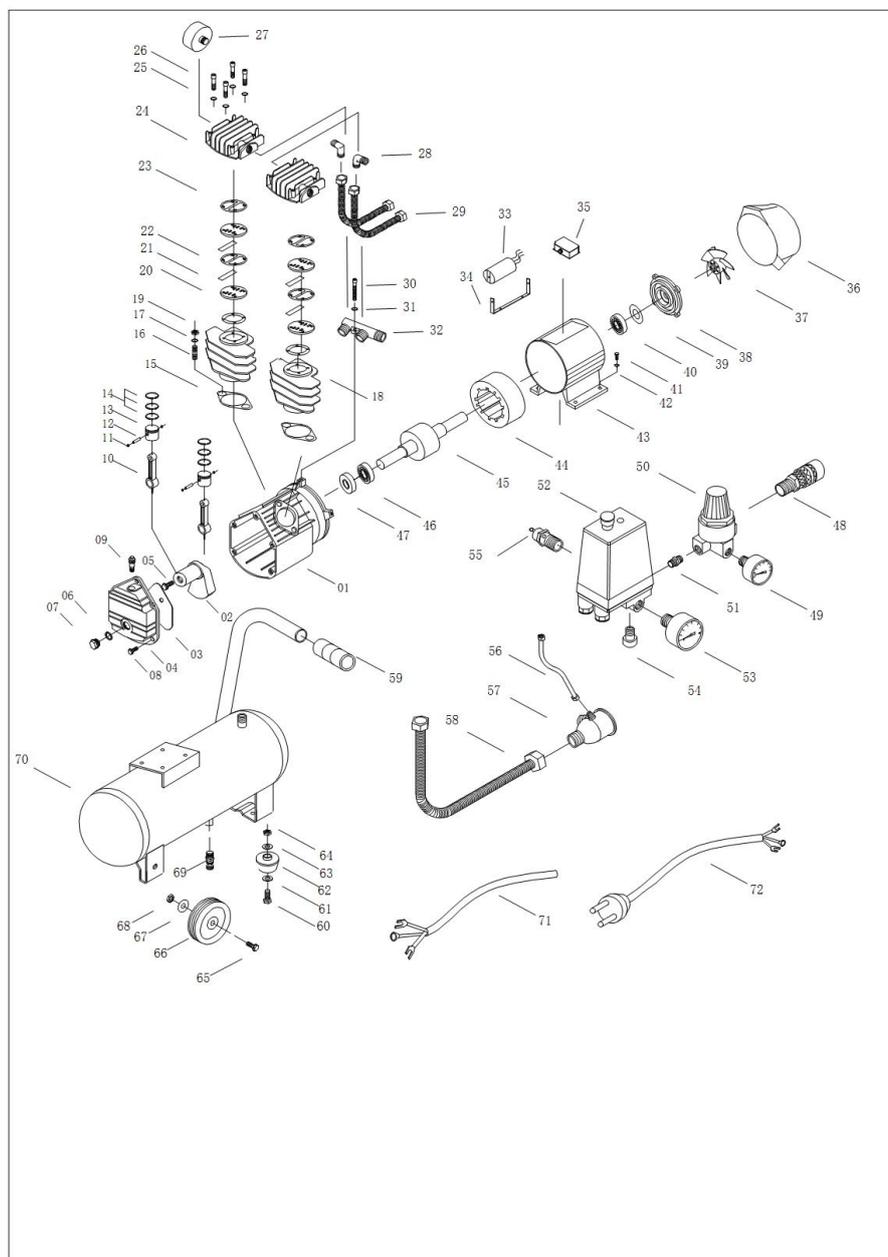
IX. Transport and Storage

- Do not tilt the compressor during transport to avoid spilling compressor oil.
- Do not place objects on the compressor during transport.
- Due to its heavy weight, it should be carried by two people for transport or lifting equipment should be used for loading on a truck.
- The compressor should be cleaned before storing it in a dry, ventilated and dust-free area.

X. Troubleshooting

Problem	Possible causes	Solutions
The engine is not running	<ul style="list-style-type: none"> (1) Fuse blown, or circuit breaker tripped (2) Faulty electrical connection wires (3) Overheated engine (4) Pressure switch failure (5) Engine failure (6) Tightening the main compressor 	<ul style="list-style-type: none"> (1) Check, change the fuse, switch on the circuit breaker. (2) Check and repair (3) Press the reset button or wait for an automatic restart (4) Repair or replace (5) Check and repair (6) Check and repair
Pressure too low	<ul style="list-style-type: none"> (1) Air leakage in the safety valve. (2) Air filter more or less clogged. (3) Failure in other valves 	<ul style="list-style-type: none"> (1) Check, repair, change if needed. (2) Clean, change if needed (3) Check, change if needed
Tightening the main compressor	<ul style="list-style-type: none"> (1) The moving parts are overheated due to a lack of oil. (2) The moving parts are damaged or blocked by a foreign body. 	<p>Check the compressor components such as crankshaft, bearing, connecting rod, piston, piston rings, etc., and replace if needed.</p>
Presence of oil traces in the air	<ul style="list-style-type: none"> (1) The viscosity of the oil is not suitable (2) Too much oil in the crankcase (3) Overheated compressor (4) Clogged air filter 	<ul style="list-style-type: none"> (1) Change the oil, use non-detergent oil SAE30 or SAE20 (2) Drain the overflow (3) Readjust the adjusting valve and lower the pressure level (4) Clean the air filter, change if needed

XI. Parts list



N°	Name	N°	Name
1.	Crankcase	37.	Fan
2.	Crankshaft	38.	Cover
3.	Joint	39.	Washer
4.	Crankcase cover	40.	Bearing
5.	Bolt	41.	Bolt
6.	Oil plug gasket	42.	Spring

7.	Oil filler cap	43.	Base
8.	Bolt	44.	Stator
9.	Air venting	45.	Rotor
10.	Connecting rod	46.	Bearing
11.	Circlip	47.	Sealing gasket
12.	Piston pin	48.	Air valve
13.	Piston	49.	Pressure monometer
14.	Piston ring	50.	Regulator
15.	Joint	51.	Connector
16.	Bolt	52.	Pressure switch
17.	Spring	53.	Pressure monometer
18.	Cylinder	54.	Connector
19.	Bolt	55.	Safety valve
20.	Valve gasket	56.	Discharge pipe
21.	Valve	57.	Check valve
22.	Valve door plate	58.	Discharge pipe
23.	Joint	59.	Handle
24.	Cylinder head	60.	Bolt
25.	Spring	61.	Washer
26.	Bolt	62.	Foot
27.	Filtering element	63.	Washer
28.	Discharge connection	64.	Nut
29.	Discharge pipe	65.	Bolt
30.	Bolt	66.	Wheel
31.	Washer	67.	Washer
32.	Support	68.	Nut
33.	Capacity	69.	Drain screw
34.	Support	70.	Air tank
35.	Housing	71.	Electrical cable
36.	Cover	72.	Plug

DISPOSAL



Selective collection of electrical and electronic equipment waste.

Electrical products should not be disposed of with household products. According to the European Directive 2012/19/UE for electrical and electronic equipment waste and its implementation in national law, used electrical products should be collected separately and disposed of at collection points provided for this purpose. Consult with your local authorities or your dealer for advice on recycling.

XII. EC Declaration of Conformity

CE Declaration of Conformity

BUILDER SAS

ZI, 32 rue aristide Bergès – 31270 Cugnaux - France

Declares that the machinery designated below:

COMPRESSOR

HC100L-A

S/N : 20201225576-20201225785

Complies with the provisions of the Directive "machinery" 2006/42/EC and regulations

National transposing it;

Also complies with the following European directives:

EMC Directive 2014/30/EU

RoHS Directive (EU)2015/863 amending 2011/65/EU

Noise emission Directive 2000/14/EC Annex VI and Directive 2005/88/EC

Also complies with European standards, national standards and provisions following techniques:

EN 1012-1 :2010

EN 61000-6-1 :2007

EN 61000-6-3 :2007/A1 :2011

EN 62321:2009

Sound power level: 95.2dB(A),K=1.96dB(A)

Guaranteed sound power level: 97dB(A)

Cugnaux: 23/06/2020



Philippe MARIE/CEO

XIII. WARRANTY

HYUNDAI

WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



XIV. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



XV. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.

HYUNDAI
POWER PRODUCTS

For Inquiries, please contact:

BUILDER SAS

32, rue Aristide Bergès Z1 31270 Cugnaux, France

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