

HYUNDAI

POWER PRODUCTS

SILENT AIR COMPRESSOR

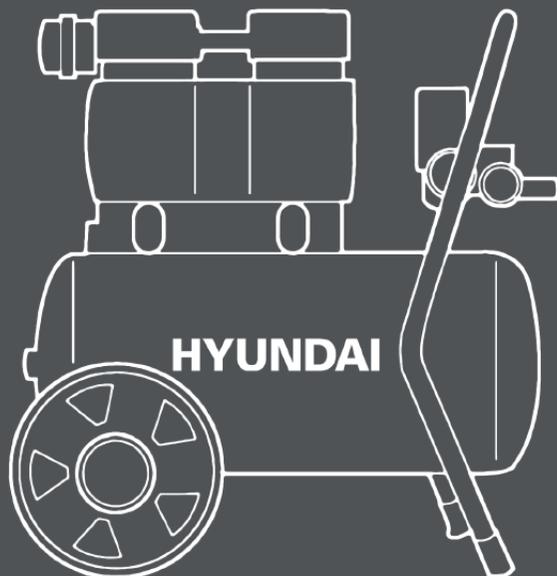
HYAC6-07S

HYAC24-1S

HYAC50-2S

HYAC100-3S

User's manual



EN

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ORIGINAL INSTRUCTIONS

Thank you for purchasing this compressor. This manual contains the information necessary for the safe and effective operation of this product. This product has unique features, and even if you are familiar with similar products, it is necessary to read this manual carefully to ensure that you fully understand the instructions. Make sure all users of the tool read and fully understand this manual.

WARRANTY

Compressors are guaranteed for 6 months. If a registered battery becomes defective during the battery warranty period, due to a defect in material or workmanship, we will replace it free of charge.

This warranty does not apply to commercial use nor does it extend to normal wear and tear or damage resulting from accident, abuse or misuse.

DESCRIPTION OF SYMBOLS

The nameplate of your compressor may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection
Wear eye protection
Wear respiratory protection
Wear head protection



Use protección para las manos



Read the instruction manual



Caution!



Class I Construction (Earth Protection)



DO NOT use it in rainy or humid environment!



WARNING HAZARD WHILE LIFTING

Lifting the product by one person could cause injury.
Ask for help when you want to move or lift the product.
WARNING: This product is heavy and as a precaution it is recommended that two people assemble the machine.



WARNING:

The machine can be started without warning



Risk of electrocution!



Hot surfaces - DO NOT touch!



Prohibition: Do not open the faucet before attaching the air hose



Comply with relevant legislation and safety standards. (EU model only)



Environmental Protection

Used electrical products must not be disposed of with household waste. Please recycle at the appropriate facilities. Check with your local authority or retailer for recycling advice.

GENERAL SECURITY

WARNING! When using power tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following safety information. Please read all of these instructions before attempting to operate this product and save these instructions for future use.

WARNING: This product should not be used by persons (including children) with reduced mental or physical capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

CAUTION: Use the power tool, accessories and bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Using the power tool for operations other than those intended could result in a hazardous situation.

The term "power tool" in the warning refers to your mains-operated (corded) power tool or battery-operated (cordless) power tools.

1. **Keep work area clear** - cluttered work areas and benches can lead to injuries.
2. **In the workspace environment:**
 - Do not expose tools to rain
 - Do not use tools in damp or wet locations
 - Keep the work area with good lighting
 - Do not use tools in the presence of flammable liquids or gases
3. **Protect yourself against electric shock** - avoid body contact with grounded or grounded surfaces (for example, pipes, radiators, stoves, refrigerators).
4. **Keep other people away.** Do not allow people, especially children, who are not involved in the work to touch the tool or extension cord and keep them away from the work area.
5. **Store idle tools** - when not in use, tools should be stored in a dry, locked-up place out of the reach of children.
6. **Don't force the tool** - it will do the job better and safer at the rate for which it was designed.
7. **Use the right tool** - don't force small tools to do the job of a heavy-duty tool. Do not use tools for purposes not intended; for example, do not use circular saws to cut branches or tree trunks.

GENERAL SECURITY

8. Dress appropriately

- Do not wear loose clothing or jewelry, which may get caught in moving parts
- Proper safety footwear is recommended when working outdoors
- Use some utensil to contain long hair

9. Wear protective gear

- Wear safety glasses
- Wear face or dust mask if work operations create dust

WARNING: Failure to wear proper clothing or protective equipment may cause personal injury or increase the severity of an injury.

10. Connect dust extraction equipment - if the tool is provided for the connection of dust extraction and collection equipment, make sure they are connected and used correctly.

11. Do not abuse the power cord - never pull on the power cord to disconnect it from the socket. Keep the power cord away from heat, oil, and sharp edges. Damaged or entangled power cords increase the risk of electric shock.

12. Safe work - where possible use clamps or a vise to hold the work. It is safer than using your hand.

13. Don't overdo it - maintain proper posture and balance at all times.

14. Keep tools with care

- Keeping cutting tools sharp and clean makes the tool easier to control and less likely to jam or block the work piece
- Follow instructions for lubricating and changing accessories
- Periodically inspect the power cords of the tool and, if damaged, have them repaired by an authorized technical service.
- Inspect extension cords periodically and replace if damaged
- Keep handles dry, clean and free of oil and grease.

WARNING: Many accidents are caused by poorly maintained power tools.

15. Unplug the machine - when not in use, before servicing and changing accessories such as blades and bits, unplug the machine from the power source.

WARNING: The use of accessories not recommended by the manufacturer may cause personal injury.

GENERAL SECURITY

16. Remove wrenches - Get in the habit of checking to see that wrenches are removed from the tool before turning it on.

17. Avoid Unintentional Starting - Make sure the switch is in the "off" position when plugging into an outlet or inserting a battery pack, or when lifting or carrying the tool.

WARNING: Unintentional starting of a tool can cause serious injury.

18. Use outdoor extension cords - when the tool is used outdoors, use only outdoor extension cords marked as such. Using an extension cord suitable for outdoor use reduces the risk of electric shock.

19. Stay alert:

- Watch what you are doing, use common sense and do not operate the machine when you are tired.
- Do not use the machine while under the influence of drugs, alcohol or medication.

WARNING: A moment of inattention while operating the machine can result in serious personal injury.

20. Check for damaged parts

- Before continuing to use the tool, it should be carefully checked to determine if it will function properly and perform its intended function.
- Check the alignment of the moving parts, the binding of the moving parts, the folding of the parts, the assembly and any other condition that may affect its operation.
- A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise stated in this instruction manual.
- Have faulty switches replaced by an authorized service center.

WARNING: Do not use the machine if the on/off switch does not turn it on and off. The switch must be repaired before using the machine.

21. Have your tool serviced by a qualified person - this power tool complies with relevant safety standards. Repairs must only be carried out by qualified persons, otherwise this may cause considerable danger to the user.

WARNING: When performing maintenance, use only identical replacement parts.

WARNING: If the power cord is damaged, it must be replaced by the manufacturer or an authorized service center.

GENERAL SECURITY

22. Mains plugs must match the outlet - Never modify the plug in any way. Do not use adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce the risk of electric shock.

23. If using a power tool outdoors, use a Residual Current Device (RCD) - Make sure the switch is in the "off" position when plugging into an outlet or inserting a battery pack, or when lifting or carry the tool.

NOTE: The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit interrupter (ELCB)".

WARNING: Before connecting a tool to a power source (receptacle, outlet, etc.), make sure that the supply voltage is the same as that specified for the tool, it can cause serious injury to the user and damage to the property. tool. If in doubt, do not connect the tool. Using a power supply with a voltage lower than the nameplate rating is detrimental to the motor.

TOOL SAFETY

- For multiple hazards, read and understand the safety instructions before installing, operating, servicing, maintaining, changing accessories, or working near this tool. Otherwise, it may cause serious bodily injury.
- Only qualified and trained operators should install, adjust, or use this tool.
- Do not modify this tool. Modifications may reduce the effectiveness of safety measures and increase risks to the operator.
- Do not discard the safety instructions; give them to the operator.
- Do not use this tool if it is damaged.
- Tools should be inspected periodically to verify that the qualifications and markings required by this part of ISO 11148 are legibly marked on the tool. The employee/user must contact the manufacturer to obtain replacement marking labels when necessary.

WARNING: This product is not intended for use by persons (including children) with reduced mental or physical capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

TOOL SAFETY

Projectile Hazards

- Be aware that failure of the work piece or accessory, or even the inserted tool, can result in high-velocity projectiles.
- Always wear impact resistant eye protection while operating this tool. The degree of protection required must be evaluated for each use.
- For aerial work, wear a safety helmet.
- The risk to others must also be assessed at this time.
- Make sure the workpiece is securely fastened.

Entanglement hazards

- Shocks, burns, or lacerations can occur if loose clothing, personal jewelry, neck, hair, or gloves are not kept away from the tool and its accessories.

Operating Hazards

- Using the tool can expose the operator's hands to hazards, including cuts, abrasions, and heat.
- Wear suitable gloves to protect your hands.
- Operators and maintenance personnel must be physically able to handle the load, weight, and power of the tool.
- Hold the tool correctly; be prepared to counter normal or sudden moves and have both hands available.
- Maintain a balanced body position and a secure posture.
- Release the start-stop device in the event of a power supply interruption.
- Use only lubricants recommended by the manufacturer.
- Personal protective safety glasses must be worn; suitable gloves and protective clothing are recommended.
- Avoid direct contact with moving parts to avoid pinching or cutting hands or other body parts.
- Wear suitable gloves to protect your hands.
- There is a risk of electrostatic discharge if used on plastic and other non-conductive materials.

TOOL SAFETY

Repetitive Motion Hazards

- When using this tool to perform work-related activities, the operator may experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.
- When using this tool, the operator must assume a comfortable posture while maintaining a safe posture and avoiding awkward or off-balance postures. The operator must change posture during extended tasks; this can help prevent discomfort and fatigue.
- If the operator experiences symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness, these warning signs should not be ignored. The operator should consult a qualified health professional.

Danger accessories

- Disconnect the tool from the power supply before installing or changing the inserted tool or accessory.
- Avoid direct contact with the inserted tool during and after use as it may be hot or sharp.
- Use only sizes and types of accessories and consumables recommended by the manufacturer of this tool; do not use other types or sizes of accessories or consumables.

Workplace hazards

- Slips, trips and falls are the leading causes of injuries in the workplace. Be aware of slippery surfaces caused by tool use as well as trip hazards caused by the air line or hydraulic hose.
- This tool is not designed for use in potentially explosive atmospheres and is not isolated from contact with electrical energy.

Dust and smoke hazards

- Dust and fumes generated from using this tool can cause health problems (for example, cancer, birth defects, asthma, and/or dermatitis); Risk assessment and implementation of appropriate controls for these risks are essential.
- The risk assessment must include the dust created by the use of the tool and the possibility of disturbing existing dust.
- Direct exhaust to minimize dust disturbance in a dusty environment.

TOOL SAFETY

Dust and smoke hazards

- Where dust or fumes are created, the priority should be to control them at the point of Where dust or fumes are created, the priority should be to control them at the point of
- Select, maintain and replace the consumable / insert tool as recommended in the instruction manual, to avoid unnecessary buildup of dust or fumes.
- Wear respiratory protection in accordance with the employer's instructions and as required by occupational health and safety regulations.

Noise risks

- Exposure to high noise levels can cause permanent and disabling hearing loss and other problems, such as tinnitus (ringing, buzzing, hissing, or ringing in the ears). Therefore, risk assessment and the implementation of appropriate controls for these risks are essential.
- Appropriate controls to reduce risk may include such actions as cushioning materials to prevent work pieces from 'ringing'.
- Wear hearing protection in accordance with the employer's instructions and as required by occupational health and safety regulations.
- Operate and maintain this tool as recommended in the instruction manual to avoid an unnecessary increase in noise level.
- Select, maintain and replace the consumable / insert tool as recommended in the instruction manual, to avoid unnecessary noise increase.
- If the tool has a muffler, always make sure it is in place and in good condition when the tool is running.

Vibration risks

- This information should draw attention to vibration hazards that have not been eliminated by design and construction and remain residual vibration hazards. It shall enable employers to identify the circumstances in which the operator is at risk of vibration exposure. If the vibration emission value obtained using ISO 28927-3 does not adequately represent the vibration emission in the intended uses (and prevent minimum loads) of the machine, additional information and/or warnings must be provided to enable Risks arising from vibration evaluated and managed.
- Vibration exposure can cause disabling damage to the nerves and blood supply of the hands and arms.

TOOL SAFETY

Vibration Hazards

- Wear warm clothing when working in cold conditions and keep your hands warm and dry.
- Operate and maintain the sander or polisher as recommended in the instruction manual to avoid an unnecessary increase in vibration levels.
- Hold the tool with a light but secure grip, taking into account the required manual reaction forces, as the risk of vibration is generally greater when the grip force is higher.

COMPRESSOR SAFETY

When using machinery, there are certain precautions that must be taken to promote safe operation. Always apply caution and respect to machinery in use; If the following safety precautions are ignored, damage or injury may be subject to the operator, property, or a bystander. It is in the interest of the user to read and pay attention to the following guidelines.

WARNING: This air compressor does not produce breathable air. Swallowing compressed air is dangerous and can cause harm.

WARNING: hot surfaces are present. DO NOT touch the engine, cylinder, heads and tubes as they may be damaged by combustion.

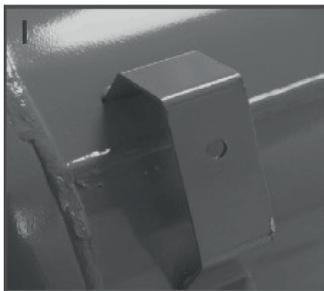
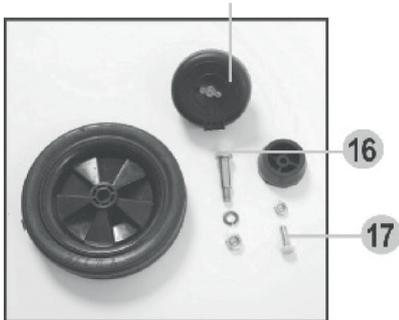
WARNING: DO NOT use in potentially explosive atmospheres. Make sure the atmosphere is free of combustible gases and high concentrations of fine dust.

- a) NEVER use compressed air for unintended use. Compressed air has the potential to cause damage. Avoid directing compressed air at animals or people, and NEVER release compressed air at skin.
- b) Make sure the work area is free of debris and dry. Unkempt workspaces increase the risk of injury.
- c) The compressor must be assembled correctly. Using a compressor with guards, covers, and components removed is dangerous and may compromise the compressor's ability to function.
- d) DO NOT modify the compressor. Modifications to the compressor can be dangerous. Unapproved modifications may not only impair the compressor's ability to function, but may also cause injury to the operator. Repairs must be carried out only by qualified personnel, using only components verified by the manufacturer.
- e) Safety valves must not be modified or tampered with. Doing so can cause injury to the operator and damage to the air compressor. The maximum pressure is predetermined by the manufacturer and should not be adjusted.

- f) Keep bystanders away. Children and bystanders should be kept away from the compressor. Unintentional intercalation with the compressor is dangerous.
- g) Do not abuse cables and hoses. Keep cables and hoses away from heat, liquids and sharp edges. NEVER try to force cables and hoses beyond their fully extended reach, or allow them to become entangled.
- h) The air compressor must be stored properly and depressurized. During storage and transportation, the compressor must be free of pressure. Always exhaust air from compressor after use.
- i) Make sure the pressure rating meets the tool. Always check that the air tool has a safe working pressure that exceeds the working pressure of the machine.
- j) Wear the proper protection for the task at hand. Appropriate protection for the application; masks will protect from spray paints and goggles protect against flying debris.
- k) Operate the air compressor correctly. Follow the operating instructions provided in the manual. NEVER allow children or persons unfamiliar with the operation of the air compressor to use this product.
- l) Disconnect accessories carefully. Depressurize tank and ensure air supply is turned off before removing air tools and accessories.
- m) Wear appropriate clothing. Hanging moving clothing, jewelry, or long hair can be caught in moving parts.
- n) Keep the air compressor dry and free of moisture. Condensation can be trapped inside the system. A specified release valve will remove moisture from the air compressor.
- o) Make sure the compressor complies with local rules and regulations. Regular testing will determine if the air compressor is suitable for service in certain regions.
- p) Take the correct precautions when performing maintenance. Make sure ALL compressed air is expelled from the compressor tank and the power supply is disconnected before beginning any maintenance procedures.
- q) Operate the air compressor in an appropriate environment. DO NOT use in ambient temperatures below 0°C, in damp or wet conditions. ONLY indoor use is allowed for air compressor operation.

FAMILIZATION WITH THE PRODUCT

1. Reserve tank
2. Compressor
3. Crankcase breather
4. Cylinder head (not shown)
6. On/off switch
7. Pressure gauge
9. Carrying handle
10. Quick connector
11. Pressure regulator
12. Rubber foot
13. Purge tap
14. Transport wheel
15. Air filter
16. Axis
17. Fixing bolt



UNPACKING THE PRODUCT

WARNING: This device is very heavy and should NOT be unpacked and handled by one person.

- Unpack and carefully inspect your tool. Become fully familiar with all its features and functions.
- Make sure all parts of the tool are present and in good condition. If any parts are missing or damaged, have them replaced before using this tool.

BEFORE USE

Installing transport wheels

1. Place the air compressor unit on a secure flat surface ready for mounting and locate the transport wheels (14) and fixings.
2. Carefully lay the air compressor unit on its side to access the wheel mounting hole.
3. Slide the axle (16) through the center of the transport wheel, followed by the mounting hole in the wheel.
4. Secure using matching nut and lock washer.
5. Repeat steps 1 through 4 for the other side.

Rubber foot installation

1. Place the air compressor unit on a secure, flat surface to reveal the foot mounting hole (Image I). Locate the rubber foot (12) and the fixings.
2. Slide the supplied fixing bolt through the bottom of the rubber foot (Picture II), then through the foot mounting hole secure with the corresponding nut.
3. Access to the other foot mounting hole is available from the current position of the air compressor. Repeat steps 1-2.

Air Filter Installation

1. The threaded air intake port is located on the side of the cylinder head (Image III).
2. Screw the air filter (15) into the air inlet port.

FUNCTIONING

WARNING: Always wear proper protective equipment, including eye, respiratory, and hearing protection, when working with this tool.

Turn on and stop

1. Check that the compressor is disconnected from all air tools or air lines and that the ON/STOP switch (6) is pressed.
2. Connect the machine to the main power supply.
3. Pull the ON/OFF switch (6) up. This will start the compressor.
4. Let the compressor build pressure; the tank pressure is shown on the pressure gauge (7). When the pressure in the reserve tank (1) reaches 8 bar (116 psi), the motor will stop automatically.
5. Push the ON/OFF switch down to turn off the compressor.

Line pressure setting

- The pressure of the air supplied to the tool (line pressure) can be adjusted using the pressure regulator (11). Line pressure is displayed on the gauge.
- Increase the line pressure by turning the pressure regulator clockwise. To reduce line pressure, turn the pressure regulator counterclockwise.

MAINTENANCE

WARNING: ALWAYS wear proper personal protective equipment, including eye protection and oil resistant gloves, when servicing this compressor. ALWAYS ensure adequate ventilation.

WARNING: ALWAYS turn off the compressor and wait until all components have completely cooled before cleaning or performing any maintenance.

Note: The maintenance schedule should be adjusted according to usage and environment. If the compressor is used frequently and/or if it is used in harsher environments, shorter maintenance intervals are required.

WARNING: Always remove the plug from the main power supply before performing any maintenance/cleaning.

- Do not attempt to perform any maintenance when the air tank is pressurized.
- Residual air will escape from the valve until the ring is released or all air pressure is released.

Maintenance schedule

Description	Action	Before each use	After 1 month / first 20 hours	Every 3 months / 50 hours	Every 6 months / 100 hours	Every 12 months / 300 hours
Air filter	Inspection	X				
	Cleaning			X		
Accessories and fasteners	Check, tighten and replace if necessary				X	
Valve maintenance	Cleaning and clearance adjustment					X (Requires qualified technician)

WARNING: Maintenance not covered by this manual MUST be performed by an authorized technician. Attempting such maintenance or repair will void the warranty.

WARNING: Some of the maintenance procedures described in this manual require some general technical skills and experience. This compressor MUST ONLY be serviced by persons with the required skill level. If in doubt, have the machine repaired at an authorized service center.

Cleaning

- Keep your tool clean at all times. Dirt and dust will cause internal parts to wear out quickly and shorten the life of the machine. Clean the body of your machine with a soft brush or dry cloth. If available, use clean, dry compressed air to blow through the vent holes.
- Use a mild detergent and a damp cloth to clean oil-contaminated parts. Rinse with fresh water and dry completely.
- Keep all electrical and electronic components dry at all times.

Sewer system

- During use, atmospheric moisture will condense in the air storage tank. The tank must be drained of moisture regularly to prevent corrosion damage.
- To drain the moisture, open the drain cock (13), located at the bottom of the tank, approx. 3 turns counterclockwise.
- Allow all moisture to drain out and retighten the plug.

Air Filter Maintenance

WARNING: Never operate this compressor without the air cleaner element installed, as this will cause rapid wear of internal components, causing permanent internal damage and shortening the life of this compressor.

1. Separate the air filter (15) from the cylinder head (4), turning it counterclockwise.
2. Remove the wing nut from the top of the air cleaner assembly and remove the air cleaner element from inside the assembly.
3. Wash the filter element thoroughly in a solution of warm water with non-foaming household detergent, or clean it with a special non-flammable solvent.

WARNING: DO NOT use gasoline or other flammable solvents to clean the filter element as this could cause a fire or explosion.

4. Dry the filter element thoroughly.

WARNING: DO NOT wring out the element as this will damage the sponge material.

WARNING: NEVER install a wet filter element, as water in the air intake will cause permanent engine damage.

5. Soak the dry filter element in clean engine oil or alternatively apply specialized air filter oil to the filter element. Gently squeeze (but DO NOT squeeze) to remove excess oil.

Note: If the filter element is installed soaked in excessive amounts of oil, the engine will produce large amounts of smoke after it has been started.

6. Vuelva a instalar el filtro de aire en la culata. Asegurarse de que el filtro de aire esté bien ajustado en el puerto de admisión.

Storage

WARNING: Make sure that the ON/OFF switch (6) is in the "OFF" position, that the electrical current is disconnected from the mains and that the air storage tank (1) is depressurized before transporting or storing -Nar the air compressor.

Air compressor bearing

- This air compressor provides a carrying handle (9) located at the front. Due to its weight and size, the device should always be moved with the carrying handle and wheels.

Compressor storage

- Store carefully in a safe, dry place, out of the reach of children.

Preparation for long-term storage

- Whenever the machine is out of use for a long period of time, proceed as follows:
- Manage the unit, general cleaning and minute control
- Clean the air filter as described in "Air Filter Maintenance"
- Protect all metal parts from corrosion by coating with oil or machine preservative.

Waste disposal

Always follow national regulations when disposing of power tools that are no longer functional and are not suitable for repair.

- Do not dispose of power tools or other waste electrical and electronic equipment with household waste.
- Contact your local waste disposal authority for information on the proper way to dispose of tools.

TROUBLESHOOTING

Problem	Possible cause	Solution
Compressor motor does not start	Compressor storage tank full	Depressurize the tank using the release valve
Air compressor storage tank cannot hold pressure	Pérdidas de aire en los puntos de conexión de la manguera	Operate air compressor at maximum pressure, turn off. Apply a soap solution to the connection points and check for leaks. Tighten leaking connection points. If the problem persists, contact a qualified technician
The air compressor is producing increased sound / vibration / metal knock levels	Bearing, piston or valve damage	Contact a qualified technician

TECHNICAL DATA

	HYAC6-07S	HYAC24-1S	HYAC50-2S	HYAC100-3S
Power	550 w/0,75 hp	750 w/ 1 hp	1500 w/ 2 hp	2200 w/ 3 hp
Tension	230v / 50Hz	230v / 50Hz	230v / 50Hz	230v / 50Hz
Tank	6 L	24 L	50 L	100 L
Sound level	59 db(A) @ 7m			
Air Flow	93 l/min	125 l/min	235 l/min	370 l/min
Pressure	8 bar	8 bar	8 bar	8 bar
Revolutions	1380 rpm	1380 rpm	1380 rpm	1380 rpm
Transmission	Direct WITHOUT OIL	Direct WITHOUT OIL	Direct WITHOUT OIL	Direct WITHOUT OIL
Dimensions	50x21x50 cm	59x28x57 cm	78x37x67 cm	91x44,4x80 cm
Weight	16 Kg	22,5 Kg	32 Kg	72 Kg

HYUNDAI

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