

HYUNDAI

POWER EQUIPMENT

GASOLINE LAWNMOWER HTDT5275BS

ORIGINAL INSTRUCTIONS



WARNING: Read and understand all instructions and instructions

HYUNDAI
32, rue Aristide Bergès - ZI 31270 Cugnaux - France

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SAFETY INSTRUCTIONS

WARNING! Before using this tool, please read these instructions of safety and use. It will help you to use safely the machine and reduce the risk of accidents. If you give this tool to another person, also give this manual.

Use this tool as described in this manual. Any mishandling and any use contrary to instructions will not in any way engage the liability of the manufacturer.

Non-compliance with safety instructions and use can cause a risk of electric shock, fire and / or injury to persons.

If you use this type of tool for the first or/and you are not familiar with the instructions of use, please get a training with a professional person.

Instructions

- Read the instructions carefully. Be familiar with the controls and proper use of the equipment.
- Never allow children to use this mower. If the mower is given to another person, also give this manual. Also make sure that this person uses this device only after receiving the necessary instructions. Local laws may restrict the age of the user.
- Never mow while people, especially children, or animals are nearby.
- Keep in mind that the operator or user is responsible for accidents or risks that may occur to other persons or their properties.

Preparation

- During mowing, always wear safety shoes and long pants. Do not use the equipment barefoot or wearing sandals open.
- Carefully inspect the area where equipment is being used by removing all objects that may be affected by the machine.
- **WARNING** - Gasoline is extremely flammable.
 - Add fuel before starting. Do not remove the fuel tank cap while the machine is running or when it is hot.
 - If the fuel has spilled or leaked, do not attempt to start the machine but move the machine away from the leakage area and avoid creating a source of ignition until the gasoline vapors have dissipated.
 - Refuel only outside and do not smoke during refueling.
 - Store fuel in tanks specifically designated for this purpose.
 - Replace the fuel tank or the defective gasoline plug securely.
- Replace defective mufflers.
- Before use, always inspect visually that the blades, blade assembly and blade lock are not worn or damaged. Replace blades and blade assemblies that are not in good condition to maintain balance.
- The blades must be balanced to ensure proper operation and to be able to work safely.

Operation

- Do not use the machine in a confined space or hazardous carbon monoxide emissions can be collected.
- Mow only under daylight or under good artificial light. Always have a good visibility when operating the tool.
- Avoid using the equipment on greasy grass, where possible.
- Always be sure of your walking on the slopes.
- Walk, never run.
- For lawn mowers, mow across slopes, never from top to bottom.
- Exercise extreme caution when changing direction on slopes.
- Stop the blades if the mower is to be tilted during transport when crossing surfaces other than grass, and when transporting the mower due to the area to be mowed.
- Do not mow on steep slopes.
- Do not use the tool near drop-offs, ditches or embankments. If it is really necessary to

operate this tool near these locations, use an extreme precaution and be careful about your walking.

- Use extreme caution when tipping or pulling the mower towards you.
- Never use the mower with defective guards, or without safety devices such as baffles and or collection bins, which are not in place.
- Do not change the motor configuration or increase the speed. The lawnmower safety systems or features shall not be tampered with or disabled.
- For starting, disengage all blades, the gears must be in neutral, the traction control lever must be released. Set foot well away from the blades.
- Before starting the engine or starting the engine, carefully read and understand all instructions.
- Do not tilt the mower when starting the machine or turn on the engine, unless the mower needs to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part that is furthest away from the user.
- Do not start the machine by standing in front of the ejection
- Do not place hands or feet near or under rotating parts. Keep clean the mouth of the grass extractor.
- Never take or carry the mower while the machine is running.
- Stop the machine and disconnect the spark plug from the spark plug:
 - Before cleaning or unclogging the grass extractor.
 - Before checking, cleaning, and working on the mower.
 - After hitting an object. Inspect the mower for damage and repair before re-using the mower.
 - If the mower begins to vibrate abnormally, stop the engine immediately and check according to previous recommendations.
- Stop the engine immediately:
 - Every time you leave the craft.
 - Before refueling.
- To stop the engine, reduce the throttle setting, turn off the ignition and release the operator presence grip, close the fuel cock (depending on the equipment).
- Move slowly when moving.

Maintenance and storage

- Check, check and tighten all bolts, bolts, and screws to ensure that the equipment is in safe operating condition.
- Never keep the mower with gasoline in the tank in a building or vapors can cause a bright flame or spark.
- Allow the machine to cool before storing it in an enclosed area.
- To reduce the risk of fire, keep the machine clean without grass, without grease, the muffler and the engine cools, disconnect the battery if necessary and empty the fuel tank
- Check the grass catcher frequently, its condition or deterioration.
- Replace worn and damaged parts for safety.
- If the fuel tank is to be drained, it must be made outdoors.

Special safety instructions

- To avoid any blockage, accident or breakdown, always inspect the machine before and after use. Inspect the working area. In case of problem, stop to use the tool and inspect it.
- Always use the mower with its pick-up bag and / or deflector in the intended position.
- Switch off the engine before emptying the pick-up bag or before changing the cutting height.
- While the engine is running, never put your hands or feet under the mower or under the grass ejection area.
- Before mowing, remove all foreign objects from the grass that can be propelled by the machine.
- Keep children and pets at a safe distance while using the mower.
- Keep bystanders away from the working area.
- Never lift the mower when the engine starts.
- Alcohol, drug, as well as illness, fever and fatigue affect your ability to respond. Do not

use this tool in such circumstances.

- Never change the rated speed of the motor.
- Never lift or carry the tool while the engine is running.
- Before starting the engine, release the drawbar.
- Before mowing, install the collection bag in its intended position.
- Do not use the mower in the event of rain or when the grass is wet.
- Never lift the rear of the mower when starting the engine and never place your hands or feet under the mower deck or in the rear ejection port while the engine is running.
- Turn off the engine and remove the spark plug cap in the following cases:
 - Before operating under the mower deck or near the ejection opening.
 - Before any maintenance, repair or verification.
 - Before transporting, lifting or storing the mower.
 - If you leave the mower unattended or change the cutting height.
 - To remove and empty the collection bag.
- After striking a foreign object, turn off the engine and carefully inspect the mower for damage. Take the lawnmower to an authorized service center for repair if necessary.
- If the mower vibrates abnormally, try to understand the reason and bring your lawnmower to an authorized repair center.
- Regularly check that the bolts, nuts and screws are properly tightened for safe use of the mower.
- Do not use the tool where there is a risk of lighting.
- The lawnmower shall not be operated without either the entire grass catcher or self-closing discharge opening guard in place.
- Prolonged exposition to noise can create a risk, such as hearing loss. Limit the duration of operation of this tool (by example, use it 20 min and take a rest of 20 min). Always use hearing protection.
- During use be careful of the emission of exhaust gases. Do not expose people and yourself to exhaust gases. Wear a mask of protection.
- When stopping the tool, make sure that the blade is totally stopped. If there are still movement of the blade even after stopping. Do not use the tool. Bring it to a service agent for inspection.
- Use the tool on daylight or under a good lighting. Always keep bystanders away.
- Warning: Take an extreme precaution when operating the lawnmower in slopes and near drop-offs, ditches or embankments; always be sure of your footing and stay in alert. the lawnmower safety systems or features shall not be tampered with or disabled;
- the operator should not alter or tamper with any sealed adjustments for the engine speed control;
- The operator must have, before using the tool for the first time, an adequate training with an experienced people.
- Warning: do not use of the unit while being tired, ill or under influence of alcohol or other drugs;
- Park safely the tool before leave it. The tool must be switched off.
- The lawnmower shall not be operated without either the entire grass catcher or self-closing discharge opening guard in place;
- Warning: be careful about exhaust gas. Do not inhale them.
- Wear adequate clothing such as long trousers and a protective equipment: slip-resistant foot protection, hearing protection, eyes protection and gloves.
- To avoid health issues, limit the time of operation. Take enough rest. Exposure to noise and vibrate can have bas consequences on health.

Fuel Handling

Use caution when handling fuels. They are flammable and the vapors are explosive.

Use only an approved container.

Never remove the fuel cap or add fuel while the machine is on. Turn off the unit and allow the engine and exhaust components to cool down before refueling.

Do not smoke.

Never refuel inside a room.

Never store the tool and the fuel tank indoors where there is a naked flame, such as near a water heater.

If fuel has spilled, do not attempt to start the machine, but move it away from the spill before starting to use it. Please clean up any spills.
 Replace and tighten the fuel tank cap after refueling.
 Follow strictly the instructions in this manual for filling the tool with fuel.

During maintenance and storage

Switch off the tool and wait until it stops completely. Make sure that all moving parts are stopped. The tool must be parked in a safe place.
 Allow the machine to cool before performing inspection, adjustments, maintenance, servicing and storage.
 Store the tool where fuel vapor will not reach a flame or spark.

Residual risks

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may arise in the structure and design of this product:

Always be vigilant when using this product, so you can recognize and manage the risks rather.

There are adverse health consequences resulting from the emission of vibration if the product is used for long periods of time or not properly managed and properly maintained.

There are risks of injury and property damage due to attachments or broken the sudden impact of hidden objects when using cutting.

There are risk of injuries to persons and property caused by flying objects.

Prolonged use of this product exposes the operator to vibrations and can produce so-called "white finger" disease. To reduce the risk, wear gloves and keep your hands warm.

If any of the symptoms of "white finger syndrome" occur, seek immediate medical attention.

Symptoms of "white finger" include numbness, loss of sensitivity, tingling, and pain, loss of strength, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures. To minimize those risks, limit the time of operation of this tool.

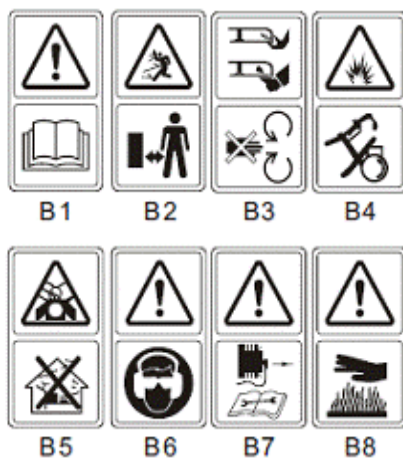
There is a risk of loss hearing in case of prolonged use and when a hearing protection is not worn.

Intended use

This model of thermal mower is designed for natural grass mowing. Any other use is prohibited.

It is suitable only for private use in a garden or plot. Lawnmowers designed for private plots or gardens are those used for the maintenance of grassy areas and private lawns and should not be used in public areas, parks, sports, agricultural or forest areas.

Explanations of symbols



B.1 Read Instruction Manual

B.2 Watch out for projections! Keep viewers away from work area

- B.3 Danger! Keep your hands and feet away from the cutting element!
- B.4 Fuel is flammable, keep it away from fire. Do not add fuel while the machine is running.
- B.5 Toxic fumes do not use the machine inside a room.
- B.6 Wear eyes and hearing protection.
- B.7 Remove the spark plug before reparation. Reparation must be provided according to this operating manual.
- B.8 Caution! Tool surfaces can be hot.



Guarantee sound power level



Blades continue to rotate after the engine stops

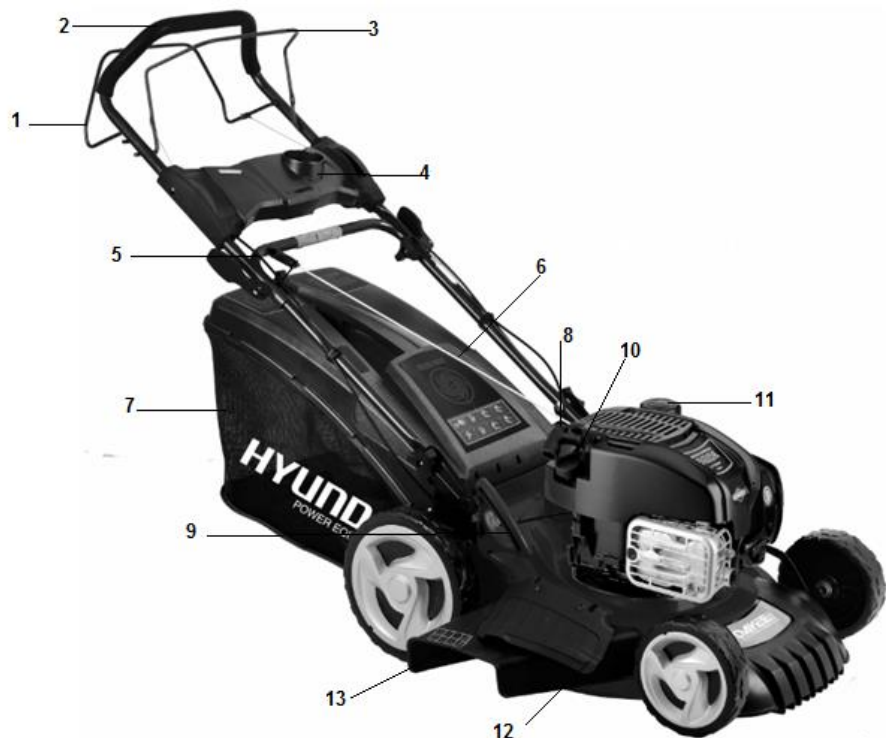


Do not use in the rain

DESCRIPTION

a. Description

1. Self-propeller bar
2. Upper handlebar
3. Operator control lever
4. Plate
5. Lower bar
6. Flap
7. Grass catcher
8. Recoil starter
9. Cutting height adjustment lever
10. Oil tank
11. Fuel tank
12. Flap of the side discharge
13. Side discharge



b. Technical data

Model	HTDT5275BS
Nominal power (kW)	2,8
Engine displacement (cm³)	163
Maximum rotational speed min⁻¹	2800

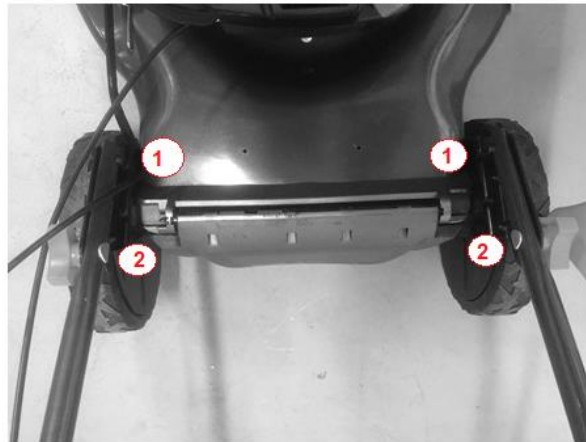
Cutting height (mm)	25-65
Cutting width (cm)	52,5
Volume of grass catcher (l)	60
Unit mass (kg)	30,5
Volume of fuel tank (l)	1,0
Volume of oil tank (l)	0.47
Measured sound pressure level	84.1 dB(A) K = 3 dB(A)
Equivalent sound pressure level	89 dB(A) K = 3 dB(A)
Measured sound power level	97.60 dB(A) K = 1,12 dB(A)
Guarantee sound power level	98 dB(A)
Equivalent vibration value	6 m/s ² K = 1,5 m/s ²

Always wear hearing protection when operating the tool. There is a risk of hearing loss if no hearing protection is provided.

ASSEMBLY

a) Lower handle

- Put the holes of the lower bar on the support (1).
- Fix the bar with provided screws and wing nuts (2).

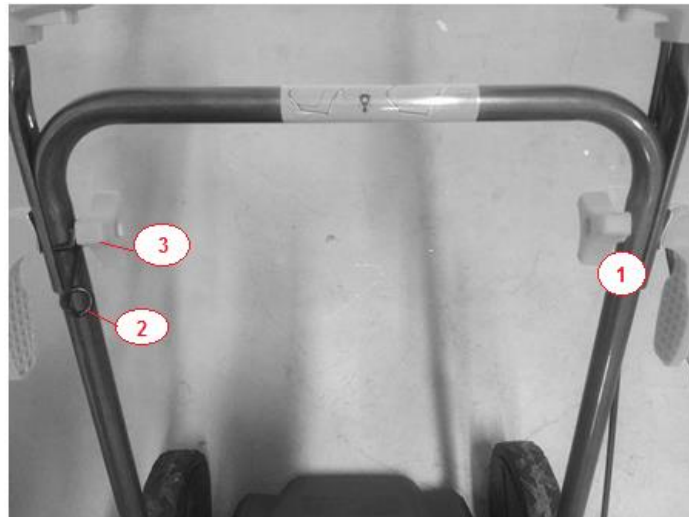


Note: the position of the bar can be adjusted; there are 3 positions (see below picture). Screw the screw and wing nut in the desired position.



b) Upper handle

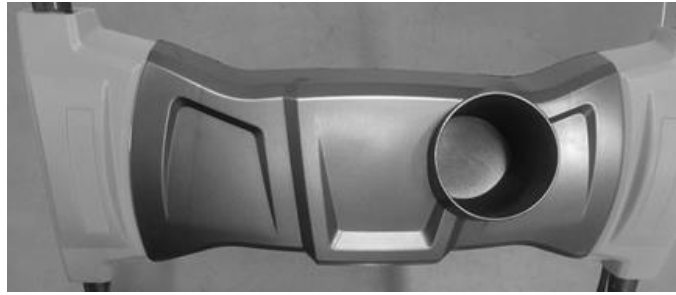
- Place the upper handle on the lower handle
- On the left side, put the wing nut and the lock lever. Screw them on place. The lock lever must be in the direction of the bar (1)
- On the right side, install the hook on the wing nut (2). Install then the wing nut and the lock lever and screw them. The lock lever must be in the direction of the bar (3).



c) User plate

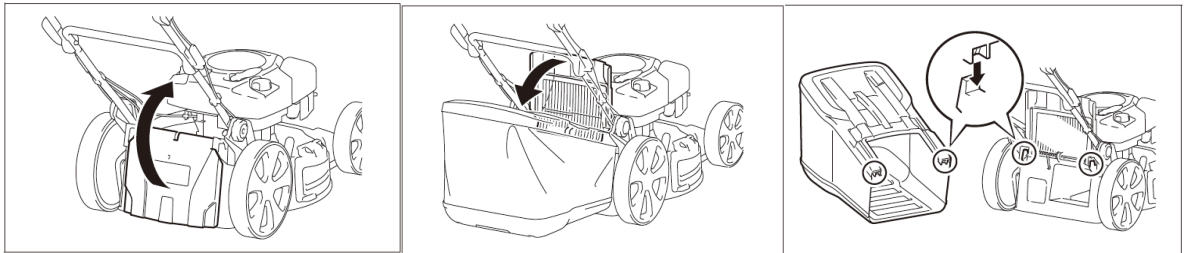
- Insert the little plate on its dedicated location (both side)
- Install the user plate. Screw the plate in place with the provided 4 screws (the holes are below the user plate).





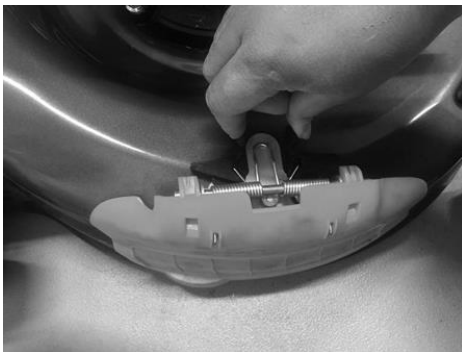
d) Mounting / disassembling the grass catcher

- To install: Lift the flap and hook the grass catcher to the back of the mower
- To remove it: hold the flap and lift it up, then remove the grass catcher.



e) Side discharge

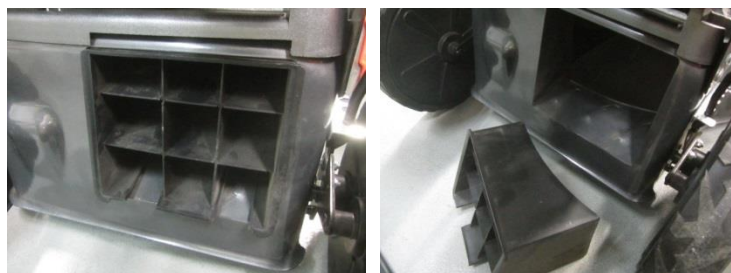
- Push the lock of the flap to lift it up.
- Hold the flap and place the side discharge.



NOTE: Before installing the side discharge, remove the grass catcher. Both functions cannot be used together in the same time.

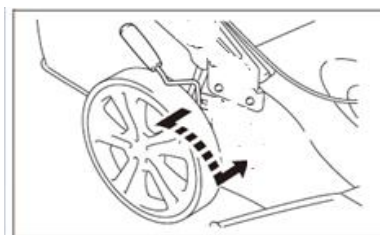
f) Assembly/disassembly of the mulching

- Remove the collection grass catcher;
- Put the mulching plug into the rear discharge chute. Make sure that both pins are pressed down into holes;
- Release the flap, it will close back to cover the mulching plug



g) Cutting height adjustment

- Push the lever outward to disengage it from the housing. Move it forwards or backwards to adjust the height.



OIL AND FUEL FILLING

1) Filling the fuel tank

a. Information

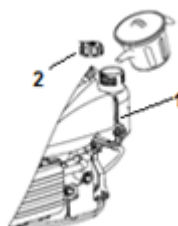
Fuel must meet the following criteria:

- Petrol clean, new and unleaded.
- A minimum octane rating of 87/87 AKI (91 RON). For use at high altitudes, see below.
- A gasoline containing up to 10% ethanol is acceptable.

CAUTION: Do not use unapproved gasoline, such as E15 and E85. Do not mix the oil with gasoline or modify the engine so that it runs on alternative fuels. The use of unapproved fuels will damage the engine parts and will void the engine warranty.

b. Filling

- Remove the fuel tank cap.
- Add fuel in the tank slowly.



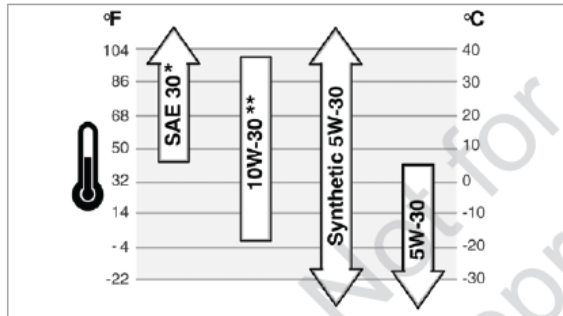
- Do not overfill. Close correctly the fuel tank after filling
- Wipe off any spilled fuel before starting the engine.

2) Oil tank

a. Recommended oil

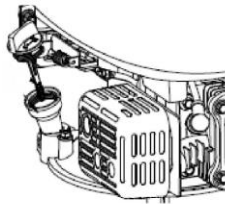
We recommend the use of high quality detergent oil classified for SF, SG, SH, SJ or higher. Do not use special additives.

Less than 4 ° C, the use of SAE 30 oil causes difficult start-ups.
 Above 27 ° C, the use of 10W-30 oil can increase oil consumption. Check the oil level regularly.
 Outside temperatures determine the correct oil viscosity for the engine. Use the chart to choose the best viscosity according to the range of expected outdoor temperatures.



b. Filling

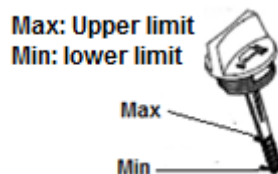
- Open the oil tank



- Fill the tank with the oil; do not overfill
- Close the oil tank.

c. Checking the oil level

- Check the oil level with the engine switched off and horizontally.
- Remove the plug / dipstick from the oil tank and wipe it off.
- Insert the oil tank plug / dipstick into the tank neck as shown, without screwing it in, and then remove it to check the oil level.
- If the oil level is near or below the lower limit of the dipstick, remove the cap / dipstick and fill the recommended oil reservoir up to the upper limit of the dipstick (bottom edge of the dipstick). Do not overfill.
- Replace the oil tank plug / dipstick.



3) Warnings

- WARNING! Gasoline is extremely flammable.
- Store fuel in cans specifically designed for this purpose.

- Fill the fuel tank only outdoors and before starting the engine. Do not smoke when filling the fuel tank or handling fuel.
- Never open the fuel tank cap and never add fuel while the engine is running or when it is hot.
- If fuel is spilled, do not start the engine any further, move the tool away from where the fuel has been spilled, and be careful not to create a spark or flame until the fuel vapours have dissipated.
- Fully close fuel and oil tank.
- Before tilting the mower to maintain the blade or drain the oil, empty the fuel tank.
- **WARNING:** Never fill the fuel tank inside, while the engine is running or before the engine has cooled down for at least 15 minutes after use.

USE

Start the device on a safe and flat ground, preferably not in tall grass. Make sure that the cutting tools do not touch objects or the ground.

a. Start the engine

- Pull the operation control in the direction of the handle and hold it.
- Pull the starter rope.
- If the engine starts, pull back slowly the starter rope.

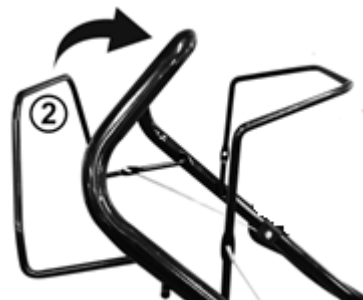


b. Stop the engine

- Release the bar. The engine turns off and the blade is slowed down. Wait until the complete stop of the blade.

c. Self-propeller function

The self-propelled mechanism engages by pressing the safety lever on the handle and simultaneously pulling the pull lever in the direction of the handle until it clicks.



To stop the self-propelled mechanism and the machine, release both bars.

Note: To stop the self-propelled mechanism without turning off the engine, release the safety lever a little until the self-propelled mechanism disengages. Pull the safety lever back towards the handle and continue to mow without the self-propelled mechanism.

d) Work instructions

- Adjust the cutting height so that the machine is not overworked.
- Drive the machine at moderate speed (walking) along the belt as straight as possible. For a perfect mowing result, the strips must always overlap for a few centimeters
- Do not back away.
- Always work perpendicular to the slopes.
- If the blades come into contact with a foreign object, immediately turn off the engine. Wait for the blades to stop turning completely and check that the unit has not been damaged. Only resume work if the unit has not been damaged.
- Turn off the appliance when taking long breaks during work and carrying the appliance.
- Wait for the blades to stop turning completely.
- Clean the appliance after each use as described in the chapter "Cleaning and maintenance".

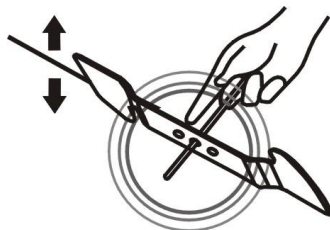
MAINTENANCE AND STORAGE

WARNING: Turn off the engine and remove the spark plug before servicing.

- Check that all nuts, bolts and screws are still tight to keep the mower in a safe operating condition.
- Never store the mower with its tank filled with fuel in a closed room where gasoline vapours may come into contact with a strong heat source or flame. Allow the engine to cool before storing your mower in its storage area.
- To reduce the risk of fire, clean the mower, especially the engine, muffler and fuel tank. Remove all traces of grass, leaves or excess fat.
- Check the condition of the baffle and collection bag frequently. Replace them if they are damaged.
- If you need to empty the oil tank before winter, carry out this operation outdoors.
- Wear thick gloves before mounting or sharpening the blade. Make sure the blade is still well balanced.
- Regularly check the oil level and add or replace it if necessary.
- Inspect the mower frequently and make sure all grass deposits are removed under the crankcase.
- Check the blade often. To get a clean job, the blade must always be sharpened and well balanced.
- At regular intervals, check that all bolts and screws are tight. Wear or loose nuts and bolts can cause severe damage to the engine or crankcase.
- If the blade bangs violently, stop the mower and take it to an authorized service center.

Blade

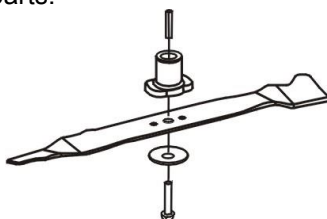
WARNING: Wear gloves, turn off the engine and remove the spark plug before proceeding.



The blade is made of hardened steel. To get a clean job, sharpen the blade frequently, about every 25 hours of use. Make sure the blade is always well balanced.

Insert a small iron pin (2 or 3 mm in diameter) into the hole in the middle of the blade: it must remain horizontal. If the blade does not stay horizontal, balance it by sharpening it further on the side where it is leaning.

WARNING: Use only original spare parts. Poor quality replacement parts can cause serious damage to your mower and affect your safety. Contact our service agent to get specifications about the correct original spare parts.



To remove the blade, loosen the screw, check the blade bracket, and replace all parts if they are worn or damaged.

To sharpen the blade, place it in a clamp and file the sharp edges evenly, checking the balance of the blade.

When reassembling the blade, make sure that the cutting edges are in the same direction as the direction of rotation of the motor. The tightening torque of the blade screw should be $3.7 \text{ kg} \cdot \text{m} / \text{s}^2$ (37 Nm) and can be checked with a torque wrench.

Warning: there is a danger about moving blade. Always handle the blade when it is totally stopped. Wear protective gloves.

Spark plug

Check the spark plug initially after the first five hours of mower use. Thereafter, maintenance of the spark plug should take place every 25 hours.

Remove the spark plug cap using a rotary motion and then remove the spark plug with the wrench provided.

Clean off any carbon deposits using a copper brush and check the electrode gap with a feeler gauge.

Replace and retighten the serviced spark plug and replace the cap.

If the spark plug is worn or damaged, replace with a new spark plug of the same or suitable type for the engine.

Air Filter

An air filter in poor condition will reduce the performance and life of the engine while making it harder to start. Regular checks are therefore essential, especially when using the mower in dusty conditions. Check and clean the air filter every 25 hours of use or more often if the engine is used in a dusty environment.

Remove the air box lid and carefully remove the foam filter cartridge. Clean the cartridge in a small bowl of warm water containing a few drops of washing - up liquid until it is perfectly clean and free from all traces of grease and dust. Rinse the filter cartridge in clean water and then squeeze gently to remove most of the water. Let it air dry until it is completely dry.

WARNING: Never clean the foam cartridge in petrol, white spirit or other solvents. These products will degrade the filter cartridge.

Clean the cover and inside of the air box with a clean lint - free cloth. Apply a uniform layer of oil to the outside of the cartridge filter with a brush (you can use clean engine oil for this). Insert the filter cartridge into its housing and replace the air box lid, ensuring that each component is in place and properly installed. If the filter cartridge is damaged or is very dirty, replace it using a genuine part.

The maintenance of a foam pre - filter is identical to that of a foam cartridge filter, as described above. The cartridge filter paper should be cleaned with a vacuum cleaner. If it is dirty or contaminated with oil or petrol, replace it.

Clean the cover and inside of the air box with a clean cloth. Evenly apply a thin layer of oil to the outside of the cartridge filter with a brush (you can use clean engine oil for this). Replace the filter cartridge in its housing and then replace the lid of the air box, ensuring that each component is in place and properly installed.

Adjusting the transmission cable

In its transmission - engaged position, the mower's advance lever is pushed fully towards the handlebar. An incorrectly - adjusted transmission cable can cause premature wear to the mower's drive system.

If the transmission cable is too tight, it will be difficult to move the advance lever towards the handlebars. Conversely, if the transmission cable is not tight enough, the transmission will function poorly and will lack power.

To adjust the tension of the cable transmission, increase or reduce the length of the adjustment device using the key. Check the effectiveness of the transmission and the resistance of the lever.

Once proper adjustment has been reached, secure the adjustment device by tightening the lock nuts.

Storage

- Clean and maintain the tool (as explained above) before storage
- The tool must be parked and stored in a safe location, reach out of humidity and dangerous material.
- Store the tool out of reach of children.

Declaration of conformity



Hyundai

32, rue Aristide Bergès -Z1 31270 Cugnaux - France
Tel. +33 (0) 5.34.502.502 Fax: +33 (0) 5.34.502.503

Declares that the machine named below

GASOLINE LAWNMOWER
HTDT5275BS
Serial number:

Complies with the following European Directives:

Machinery Directive 2006/42/EC
EMC Directive 2014/30/EU

Other applicable guidelines:

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

Measured sound power level: 97.60 dB (A) K = 1,12 dB(A)

Guaranteed sound power level: 98 dB (A)

Notified body (No 0359): Intertek Testing & Certification Ltd. Davy Avenue, Knowlhill, Milton
Keynes, MK5 8N

Applicable harmonized standards:

EN ISO 5395-1:2013
EN ISO 5395-2:2013+A1:2016+A2:2017
EN ISO 14982: 2009

Cugnaux, 01/11/2018

Philippe MARIE / CEO

A handwritten signature in black ink, appearing to be 'P. Marie', with a large, sweeping flourish that extends upwards and to the right.

Responsible of technical file: M. Olivier Patriarca