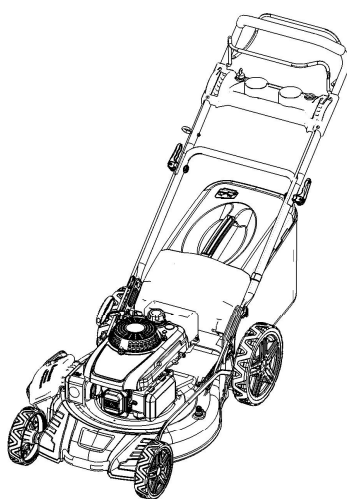




**ORIGINAL INSTRUCTIONS**

**GASOLINE LAWNMOWER  
Model: RAC5675ES**

Instructions manual



**READ THOROUGHLY THESE INSTRUCTIONS BEFORE USE THIS LAWNMOWER**

**RACING**  
32, rue Aristide Bergès - ZI 31270 Cugnaux – France  
Licensed by Hyundai Corporation, Korea



## **SAFETY INSTRUCTIONS**

---

### **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.
- If necessary, have training with an experienced person in order to use in a safe way this tool.

### **Preparation**

- During mowing, always wear slip-resistant foot protection and long pants. Do not use the equipment barefoot or wearing sandals open.
- Wear personal protective equipment including at least: clothes of protection, gloves, foot protection, mask, ocular and hearing protection
- Carefully inspect the area where equipment and remove all foreign objects such as stones, toys, sticks and wires.
- **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 vapours have dissipated.
  - Refuel only outside and do not smoke during refuelling.
  - 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. Always use recommended blades. Contact the manufacturer or your dealer in order to have a list of recommended blades. Non recommended blades can give a risk of malfunctions, injuries and accidents.
- 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.
- 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.
- 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.
- 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 remove the ignition key, 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.
- The controls must be always checked if they are functioning correctly. In case of malfunction, do not use the tool and bring to a service agent for inspection.
- Stop the engine immediately:
  - Every time you leave the tool alone and the working area.
  - Before refuelling.
- When the tool is stopped, park it in a safe place.
- Move slowly when moving.
- The lawnmower should not be used in slopes and near drop-offs, ditches or embankments; if the tool must be used in these kinds of emplacements, take an extreme precaution and operate carefully the tool.
- 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.

### **Maintenance and storage**

- Check and tighten all 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 vapours 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**

- The lawnmower shall not be operated without either the entire grass catcher or self-closing discharge opening guard in place.
- 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.
- 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 power tools 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.
- During the operation, the lawnmower emits exhaust gases; these gases are poisonous and care makes in danger the life of the operator. Do not inhale them. Do not approach of exhaust gases and wear a protection mask when using the tool.
- 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.
- 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.
- WARNING: There is a danger about moving blade assemblies. Always handle blades when they are in a complete stop and wear protective gloves.

### **Fuel Handling**

Use caution when handling fuels. They are flammable and the vapours 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 refuelling.

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 refuelling.

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.

Allow the machine to cool before performing inspection, adjustments, maintenance, servicing and storage.

Store the tool where fuel vapour will not reach a flame or spark.

The transport of the tool must be secured in order to avoid fuel spillage, accidents and injuries.

### **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:

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

There are risks of injuries and accidents 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, pain, loss of strength, colour changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures.











A long exposition to noise can affect the health of the operator. A hearing protection must be always used when operating the tool. The operation of the tool must be limited and some rest must be taken between two sessions (e.g. 10min of operation and 20min of rest).

**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.

**Symbols**

|   |   |
|---|---|
| <br>   | <p>Warning</p> <p>Read the instruction manual</p>   |
| <br>  | <p>Warning! Risk of projections. Keep bystanders away</p>   |
| <br><br> | <p>Risk of injury from sharp blades! Keep your feet and hands away.</p>   |
| <br>  | <p>Stop the machine before removing any foreign objects from the working area.</p> <p>Never mow while people, especially children, or animals are nearby.</p> |
|    | <p>Guaranteed sound power level</p>   |

**DESCRIPTION**



1. Upper handlebar
2. Self-propelled bar
3. Operator control lever
4. Panel
5. Quick release clamp
6. Flap
7. Fuel tank
8. Starter rope
9. Engine
10. Air filter
11. Prime bulb
12. Carter
13. Side discharge device
14. Flap
15. Cutting height adjustment lever
16. Oil tank
17. Grass catcher

### **Technical information**

| <b>MODEL</b>  | <b>RAC5675ES</b>              |
|---|-------------------------------|
| Nominal power   | 3,5 kW                        |
| Displacement (cm <sup>3</sup> )                       | 196                           |
| Engine  | XP200                         |
| Maximum operating engine speed (rotational frequency) | 2900/min                      |
| Cutting height (mm)                                   | 25-75                         |
| Number of cutting height                              | 6                             |
| Cutting width (cm)                                    | 56                            |
| Volume of grass catcher (L)                           | 75                            |
| Weight (kg)   | 38.4                          |
| Motor   | 4 strokes                     |
| Volume of fuel tank (L)                               | 1,0                           |
| Volume of oil tank (L)                                | 0,6                           |
| Sound pressure level (LpA)                            | Max. 84,9 dB (A); K =2,5 dB   |
| Sound power level (LwA)                               | Max. 96,58 dB (A); K =0,64 dB |
| Guarantee sound power level                           | 98 dB(A)                      |
| Vibration value                                       |                               |
| Left  | Max. 6,312 m/s <sup>2</sup>   |
| Right   | Max. 5,207 m/s <sup>2</sup>   |
| Uncertainty   | K= 1,5 m/s <sup>2</sup>       |

#### **Intended use**

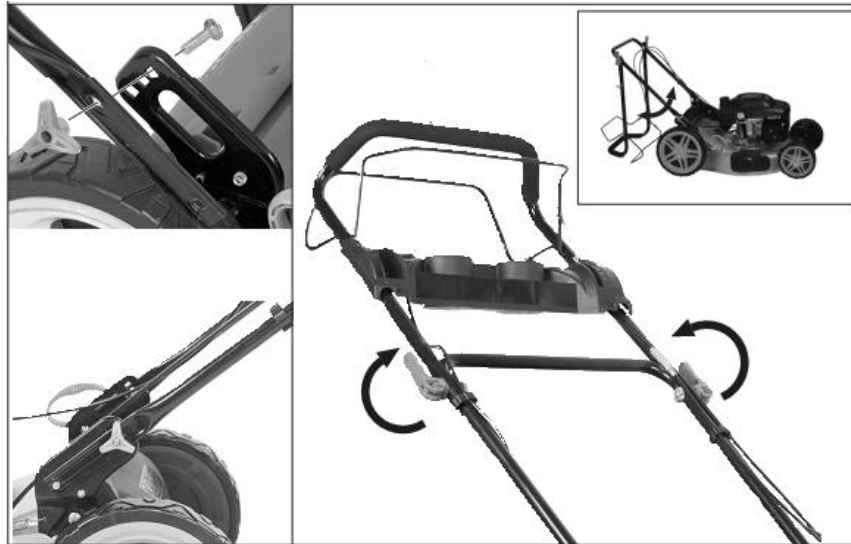
This model of gasoline lawnmower is designed for mowing natural grass. Any other use is prohibited.

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

#### **ASSEMBLY**

---

**NOTE: The blade is delivered already assembled. This part cannot be altered or changed by operator. In case that the blade needs to be replaced or sharpened, it shall be done by a specialist.**



### **Folding handle**

Caution! When installing the handlebars, make sure that the cables are not crushed.  
Attach the bottom of the handlebar to one of the 3 holes, with the supplied bolts, to adjust the tilt angle to the desired height  
2. Unfold the handlebar and push the lock lever towards the bar.

### **Grass catcher**

- To install: Lift the flap and hang the grass bag at the back of the mower.



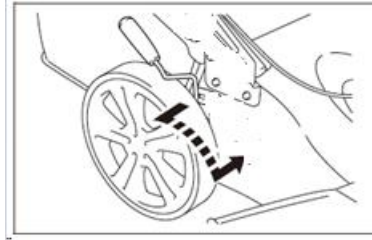
- To remove: hold the baffle and lift up, then remove the collection bag.

**Note: side discharge and mulching kit must be removed when using the grass catcher**

### **Cutting height adjustment**

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





### **Side discharge**

**NOTE: remove the mulching kit and grass catcher when using the side discharge**



- Unlock the side cover by pulling the safety latch to the left and opening the baffle at the same time.
- Lift the side cover.
- Fix the flap in the hooks reserved for this purpose. They hold the side flap in position.
- Fold down the side cover.

### **Mulching kit**

The mulching kit is already installed in the tool. It is localized in the rear of the tool in the grass catcher location.

To remove it, hold the handle and pull to remove it.

To install it, put it in the location and check if it is well locked

**Note: when using mulching function, the grass catcher and the side discharge shall not be installed.**

## OIL AND FUEL FILLING

---

### a. Oil filling

- Unscrew the oil tank cap with dipstick and pour oil into the tank. The oil tank has a capacity of 600 ml. Use a brand name oil (SAE 30 for example).
- To check the oil level, wipe the dipstick with a clean cloth and put it back into the tank.
- Read the oil level on the dipstick after pulling it out. The oil level must be between the two minimum and maximum marks.
- Wipe off any drops of oil you have dropped and close the oil tank cap
- Check the oil level each time before mowing and readjust when it is below the bottom mark.



### b. Fill the fuel tank

**Caution! Gasoline is flammable and toxic:**

- **keep the gasoline in suitable containers;**
  - **refuel only in the open air and never when the engine is running or the machine is hot;**
  - **open the tank cap carefully so that no overpressure can develop;**
  - **do not smoke when refuelling;**
  - **avoid contact with the skin and inhalation of vapours;**
  - **Clean the gasoline if you have spilled.**
  - **Keep gasoline away from any spark, flame or other source of fire.**
  - **Do not use gasoline and oil mixture.**
  - **Use normal or super unleaded gasoline.**
  - **Use only fresh and clean gasoline.**
  - **Do not store gasoline for more than a month as its quality may be reduced.**
1. Unscrew the tank lid and pour gasoline to the lower edge of the filler cap. Do not fill the tank flush so gasoline has room to expand.
  2. Wipe the remaining gasoline around the tank cap and screw it back in

## **OPERATION**

---

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**

This lawnmower can be started electrically or manually.

#### Electrically

1. Press the priming button 3 times (red button)
2. Pull the operator control lever towards you and hold it.
3. Turn the key. The engine starts.

#### Manually

Take the starter rope with your right hand and pull slowly as far as to have a resistance, and then pull energetically on the starter rope. (If the cold start is not sufficient enough, repeat this operation 2 or 3 times).

### **Stop the engine**

Release the operator control lever. The engine turns off and the blade is slowed down. The blade should stop after 7 seconds.

### **b. Mowing**

#### **Self-propeller function**

The self-propelled mechanism engages by pressing the operator control lever on the handle and simultaneously pulling the self-propelled bar in the direction of the handle until it clicks. Then release the pull bracket.

Forward traction by the self-propelled mechanism ceases when you release the operator control lever.

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

#### **Work instructions**

Mow dry grass as much as possible to save grass.

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 centimetres

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

---

Carry out maintenance and cleaning work when the engine is off and the spark plug are out.

Allow the tool to cool down before performing any maintenance or cleaning work. The engine elements are hot. Lack of maintenance can reduce the life of the tool, give bad result. In addition accidents and injuries can happen if the tool and blades are not well correctly maintained.

Wear gloves when handling the blades.

### a. Cleaning and general maintenance tasks

- Do not tilt the unit sideways or forward. Service fluids may leak and the engine may be damaged.
- Always keep the device clean. To clean it, use a brush or cloth but no cleaning agents or acidic solutions. Do not use water to clean the engine as it may clog the fuel system.
- After mowing, remove the remains of plants stuck with a piece of wood or plastic. Clean all ventilation openings, expulsion and the area around the blades. Do not use hard or sharp objects, you could damage the device.
- Occasionally lubricate the wheels.
- Check before each use that the mower does not show visible damage such as loose, worn or damaged parts. Check that all nuts, bolts and screws are tight.
- Check that the covers and safety systems are undamaged and in place. Change them if necessary.
- To clean the blade guard, it is possible to connect a hose to the top of the housing.

### b. Air filter

**Never use the device without air filter. Dust and dirt enter the motor and damage the machine. Keep the air filter clean.**

- Push the tabs and then push out the air filter cover
- Remove the air filter.
- Clean the air filter or change it for a new one.
- Reinstall the air filter in place.
- Put the cover air filter and make sure that it is well installed.

### c. Spark plugs

**Worn spark plug or an excessive ignition interval can decrease the engine performance.**

- Remove the spark plug from the tool.
- Check the ignition interval using a template (available in specialized stores). The electrode gap should be 0.75 mm.
- Adjust the gap as necessary by carefully bending the spark plug ground electrode.
- Clean the candle with a wire brush.
- Replace the cleaned and adjusted spark plugs or replace the damaged spark plugs (Torch F6RTC or LG F6RTC).

### d. Adjust the cable

**If the control cable for the transmission is out of sync and has too much play, you can fix it.**

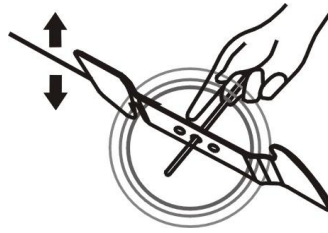
- Loosen the small lock nut.
- Turn the adjusting nut counter clockwise: The control cable is shortened.
- Turn the adjusting nut in a clockwise direction: The cable is extended.

### e. Sharpen/change the blades

- Remove the spark plug from its socket and inspect the blade for wear or damage.
- Always make a blunt blade sharpened by a specialized garage as it can perform an unbalance check.
- Always sharpen a blade or replace an unbalanced blade with a specialist. Incorrect mounting may cause serious. The replacement of the blade shall not be done by the operator.

### **Instructions for sharpening and changing the blade**

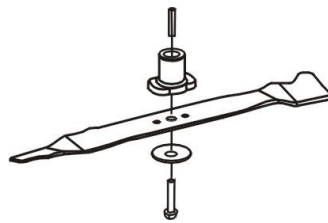
**WARNING:** Wear gloves, turn off the engine and remove the spark plug before proceeding.



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.

#### **f. Adjust the carburettor**

The carburettor has been factory set for optimum performance. If adjustments are necessary, have them performed by a specialist.

## **STORAGE**

---

### **a. General storage tips**

- Clean the appliance before cleaning.
- Let the engine cool down before store the unit in a closed room.
- Use suitable and authorized containers to conserve fuel.
- Store the device in a dry place away from dust and out of the reach of children.
- To save storage space, you can fold down the upper handlebar. Loosen the quick release lever and fold down the handlebar so that the unit takes up less space. The control cables should not be stuck.
- Do not wrap the device in nylon bags as moisture and mould could appear.

### **b. Storage and storage for long periods without use**

**Failure to follow the storage instructions may lead to start-up problems due to gasoline residues in the carburettor or permanent damage.**

- Empty the fuel tank into a well-ventilated place. Start the engine and let it run until it stops due to lack of fuel.
- Change the oil.
- Unscrew the spark plug (see "Cleaning and maintenance");
- Pour a tablespoon of motor oil into the engine space by opening the spark plug;
- Pull the safety bar pulled slowly several times on the launcher rope to spread the oil inside the engine;
- Screw in the spark plugs thoroughly.
- Dispose of used oil and gasoline residues correctly (see "Disposal / environmental protection").

#### **Elimination / protection of the environment**

---

- Dispose the tool, its accessories and its packaging for ecological recycling.
- Carefully empty the fuel and oil tanks and take your unit to a recovery center. Plastic and metal parts can be sorted and recycled.
- Return used oil and petrol residues to the appropriate dump stations and collection points and do not discharge them into sewers or sewers.
- Address your questions about this to our service center.
- Do not dispose of cut grass in a dumpster but use it to make compost or spread it as mulch under bushes and trees.

**DECLARATION OF CONFORMITY**

---



**RACING**  
**ZI, 32 rue Aristide Bergès – 31270 Cugnaux - France**

**Declare that the machine:**  
**GASOLINE LAWNMOWER**  
**Ref: RAC5675ES**  
**Serial number: 20190607591-20190607690**

**Responsible of technical file: Mr Olivier Patriarca**

**Is in conformity with the Directive 2006/42/CE and to the regulations transposing it**

**Is in conformity with the following Directive:**  
EMC Directive 2014/30/UE

Emission directive (UE) 2016/1628

Directive noise emission 2000/14/CE Annex VI +2005/88/EC

Measured sound power level: Max. 96, 58 dB (A); K=0, 64 dB  
Guarantee sound power: 98 dB (A)

**Notified body:**  
Société Nationale de Certification et d'Homologation No.0499 L-5201 Sandweiler  
Luxembourg

**In conformity with the following standards**  
EN ISO 5395-1:2013+A1:2018  
EN ISO 5395-2:2013+A1:2016+A2:2017

EN ISO 14982:2009

**Cugnaux, 05/05/2019**

Philippe MARIE / CEO