



This symbol indicates that the machine is in conformance with the applicable European directive.



MANDATORY



INDICATION  
INFORMATION  
INSTRUCTION



WARNING



PROHIBITION

These signs give advice concerning your safety

Instruction plate

MANUFACTURER		CE	
TYPE	TYPE	N° SERIE	SERIAL
Ø	ANNEE DE FABRICATION	Ø	FABRICATION YEAR
WEIGHT	MASSSE UTILE Kg	PUISSANCE kW	POWER
MAXI TOOL	Ø MAXI OUTIL mm	PLAGE DE TENSION V	VOLTAGE
BORE	Ø ALESAGE mm	FREQUENCE Hz	FREQUENCY
SPEED	T/MN - R/M	INT. UTIL. A	INTENSITY

## SPECIAL INSTRUCTIONS

The disc cutter is designed to provide safe and reliable service in operating conditions corresponding with the instructions, but it can present dangers for the user and risks of damage, consequently regular on site inspection is necessary to ensure :

- Perfect technical condition (use for the purpose for which it is intended and taking into account any risks, and correction of any malfunction detrimental to safety).
- Use a diamond disk for cutting with water (sawing new or old concrete, tarmac or asphalt). No other type of disk is allowed (abrasive, saw, etc...).
- Competent staff (qualifications, age, training) who have read and understood the manual in detail before starting work: any electrical, mechanical or other problem should be investigated by a qualified maintenance engineer (electrician, maintenance manager, approved dealer, etc . . .).
- That the warnings and instructions marked on the machine are followed (adequate personal protection, correct use, general safety instructions, etc).
- That no modification, transformation or addition is detrimental to safety and that it is carried out without prior authorization from the manufacturer.
- Respect of the maintenance intervals and periodical checks recommended.
- That only genuine spare parts are used for repairs.



**FAILURE TO COMPLY WITH THESE WARNINGS COULD RESULT IN DEATH OR SERIOUS BODILY INJURY.**



- DO carefully read and understand all the instructions before operating the saw.
- DO always keep all guards in place.
- DO always wear safety approved hearing, eye, head and respiratory protection.
- DO keep all parts of your body away from the blade and all other moving parts.
- DO know how to stop the saw quickly in case of an emergency.
- DO shut off the engine and allow it to cool before refueling.
- DO inspect the blade, flanges and shafts for damage before installing the blade.
- DO use only blades marked with a maximum operating speed greater than the blade shaft speed.
- DO use caution and follow the instructions when loading and unloading the saw.



- DO NOT allow other persons to be near the saw when starting, refueling or when cutting.
- DO NOT operate gasoline engines in an enclosed area unless it is properly vented.
- DO NOT use damaged equipment or blades.
- DO NOT operate the saw in areas of combustible material. Sparks from the saw could cause a fire or an explosion.
- DO NOT allow blade exposure from the guard to be over 180 degrees.
- DO NOT leave the saw unattended with the motor running.
- DO NOT operate the saw while under the influence of drugs or alcohol.

## 1 Use

- Utilisation : sawing with sprinkling of fresh, old or coated (asphalt) concrete.
- Tools : Water-cooled diamond-impregnated discs - Ø 350 mm - bore 25.4 mm.  
(Details from your usual supplier).

## 2 Technical specifications

- Depth of cut : Ø 350: 120 mm
- Nominal weight (unladen) : 48 to 52 kg (depending on version)
- Service weight : 52 to 70 kg (including tank)
- Dimensions (LxWxH) :  
- 860 x 505 x 990 mm
- Speed of spindle rotation :  
- 2450-2680 rpm  
(depending on version)

MODEL	POWER	PRESSURE	VIBRATION
	LEVEL Lwa (dB) EN ISO 3744	LEVEL Lpa (dB) EN ISO 4871	LEVEL G ENV 25349
HONDA GX160	106	84	1.3
ROBIN EY20	102	86	1.3

## 3 Description of the machine [FIG. 1]

1. Handle
2. Motor stop
3. Lowering handwheel
4. Graduated scale
5. Engine
6. Engine oil drain
7. Front guide
8. Belt cover
9. Disk casing
10. Service spanner
11. Water intake tap
12. Tank (17 litres)

## 4 Handling - Transport



Switch off the disk prior to moving the machine on jobsite.



Remove the disk prior to hoisting, loading, unloading and transporting the machine on jobsite.

Height of adjustable handlebars (unscrew the lever (M))  
[SEE FIG. 2].

- The ground-saw only needs pushing to move it into position on the site. It is easy to move on its four wheels, without starting the motor.
- The handwheel (K) locks the machine itself in the high position.
- Light weight, compact, transportable in a vehicle by one person.

## 5 Check before starting



**Please read the instructions for use prior to operating the machine for the first time.**



**Motor off.**



**The working area must be completely cleared, well lit and all safety hazards removed (no water or dangerous objects in the vicinity)**



**The operator must wear protective clothing appropriate to the work he is doing. We recommend that this includes both eye and ear protection**



**The use of ear protection is mandatory.**



**Any persons not involved in the work should leave the working area**



**Use only blades marked with a maximum operating speed greater than blade shaft speed**



**Take into account the working conditions from health and safety point of view.**

- Model with petrol motor (refer to the motor maintenance manual).
  - Make sure the fuel is topped up.
  - Check the oil level; as the motor often works at an angle, check it frequently in the horizontal position that the oil level is never below the second line on the gauge.
  - To start up, refer to the motor instructions.

## 6 Fitting the blade



**Motor off**

- Place the machine in an high position.
- Make sure the engine is switched off.
- Unscrew the nuts (E) from the guard housing [SEE FIG. 3].
- Remove the guard housing (A).
- Fit the diamond impregnated disc.



**Note the direction of rotation indicated by an arrow on one side of the disc (direction of rotation shown on the outside of the guard housing). Check the state of cleanliness of the disc support faces of the adaptor plates (B and C) and of the spindle.**

- Firmly tighten the screw (D) with the spanner provided with the machine, holding the disc steady by hand.
- Replace the protective guard (if this is not replaced the casing safety switch will prevent the saw being started).
- Reconnect the water hose (mains with valve or tank).
- Tighten the nut (E).



**The holding screw (D) of the disc has a right-hand thread.**

## 7 Starting up



**Always pay extreme care and attention to the preparation of the machine before starting up**



**Remove all adjustment tools and wrenches from floor and machine**



**Always keep blade guard in place**

- Turn off the water tap (G) (from the mains or from the tank in order to fill it) [SEE FIG. 4].
- Mark out a line on the ground where a cut has to be made.
- Position the machine so that the lowered front guide (F) and the disc are aligned with the line marked out (disc visible on the belt side of the housing).
- Start up the motor : refer to the motor manufacturer's instructions in the service manual.
- Allow the motor to warm up.
- Turn on the water supply tap (G) (from the mains or the water tank).
- Increase the motor speed to full.
- Hold the saw, turn the handwheel (K) and position the disk in contact with the floor.
- Lower to the depth of cut required, and bearing in mind that each graduation of the scale corresponds to a depth of 1cm. Lower slowly to prevent the engine stalling.
- Gently move the machine forward ensuring that the front guide and the disc are always aligned with the line marked out.

**Ensure that the water supply is abundant, when cutting wet.**

## 8 Stopping the machine



**Motor off**

- Turn the handwheel (K) to free the disk from the groove [SEE FIG. 4].
- No need to lock the saw up by releasing the handwheel (K).
- Turn off the water supply (G).
- Allow the motor to run idle.
- Switch off the motor (refer to the motor maintenance manual).



**Emergency stop**

Operate the switch (J) in front of the engine.

## 9 Incidents during sawing

- There may be several causes responsible for arresting the disc in the sawing groove or stopping the machine:
  - Belt tension.
  - Lack of fuel.
  - Advance or lowering too fast, etc.
- **In all case**, disengage the disc from the groove and give the machine a complete check-over.



**Entrust repairs to authorised dealer only**

## 10 Maintenance (with the engine stopped)



**"Engine Maintenance" : refer to the engine maintenance booklet.**

- After use, clean the machine.
- Lubrication : apply a moderate amount of bearing lubricant to the nipples in the depth adjustment chassis (depending on the frequency of use).



**OIL**

- Check the engine oil everyday. Refer to the engine manual for oil change schedule. Use :
  - SAE 10W30 motor oil with API class MS, SD, SE or better for PETROL engines.
  - API class CD or CE for Hatz diesel.



**Dispose of the old oil as laid down by the regulations in force.**

- To change the oil, remove the disk, lower the saw to the lowest position and then place the tray by the drain outlet (L) [SEE FIG. 4].



**Store in a safe place, out of reach of children**

**Maintain tools carefully**

#### AIR FILTER

- Read engine owners manual for maintenance intervals. For extremely dusty conditions you may have to clean the air filter element 2 to 3 times a day.
- Replace any damaged filters or gaskets.



**Store in a safe place out of reach of children.**

**Remove all adjustment tools and wrenches**

**Store diamond tool in a safe place so it cannot be bent or damaged.**

#### 11 Engine belt tension

It may be necessary after using a few times to retension the belts, without over-tightening them. To do this :

- loosen the 2 nuts (S) fixing the motor to the chassis, without removing them [SEE FIG. 5];
- tighten the tensioning nuts (N), these screws pull the motor up.
- at normal tension, tighten the motor fixing nuts (S).

#### 12 Important advice

- Periodically, tighten the nuts and bolts and particularly after the first few hours of use.
- Check belt tensions, tighten them without overdoing it.
- When garaged, it is recommended the disc be removed and suitably stored.
- Make sure the disc is correctly tightened.
- Make sure the disc supports surfaces, the adaptor plates and the spindle are kept clean.



**The manufacturer declines all responsibility for loss or damage resulting from misuse or any modification, alteration or powering that does not conform to the manufacturer's original specifications.**



**At the work station, the sound pressure level may exceed 85 db (A)**

**In this case individual protection measures must be taken.**



**When working in a limited or closed area, make sure that the ventilation is adequate. The exhaust gases contain carbon monoxide (exposure to this toxic gas can cause loss of consciousness and can be fatal).**

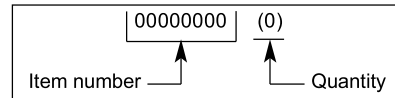
#### 13 Repairs

S  
A  
V

We carry out all repairs in the shortest possible time and at the most economical prices (see overleaf for our address).

#### 14 Spare parts

For quick supply of spare parts and to avoid any lost time it is essential to quote the data on the manufacturer's plate fixed to the machine and the part number of the part to be replaced with every order.



See exploded view

#### 15 Scrapping



**In the event of deterioration and scrapping of the machine, the following items must be disposed of in accordance with the requirements of the legislation in force.**

- Main materials :
  - *Motor* : Aluminium (AL), Steel (AC), Copper (CU), Polyamide (PA)
  - *Machine* : Steel sheet (AC), Cast iron (FT), Aluminium (AL)

*The instructions for use and spare parts found in this document are for information only and are not binding.*

*As part of our product quality improvement policy, we reserve the right to make any and all technical modifications without prior notice.*