



AGENT TRADE

USER MANUAL



REVERSIBLE PLATE COMPACTOR

CRBH 130 CRBH 170 CRBH 270

CRBH 330 CRBH-H170

CRBH-H300 CRBH-H400

www.agt.ro



FOREWORD

We thank You to choose an AGT plate compactor. Your new machine is an useful and safety job's tool.

Observing the safety regulations and the instructions in this book, there will not be any physical injury and the plate will be always in good conditions.

Worn-out machine parts have to be replaced as soon as possible. You could find the code numbers to order the spare parts in the chapter "Spare parts" in this instruction book.



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TO FILL IN BY THE CUSTOMER

Model.....

Serial Number.....

SAFETY INSTRUCTIONS FOR PLATE COMPACTORS

SAFETY

- Plate compactors must only be operated by person who:
 - * is at least 18 years old;
 - * is physically and mentally fit for this job;
 - * may be expected to carry out the job he's charged with carefully.The employer must directly assign people who guide plate compactor.
- Plate compactors must only be used for compaction jobs observing safety and operating instructions.
- People who work with plate compactors must know everything regarding safety instructions.
- Do not take drugs or drink alcohol before using plate compactors.
- Always wear appropriate protective clothes (ear protections, gloves, protecting shoes and helmet).
- Do not alterate the operation devices of the plate compactor.
- Do not leave control elements during compaction.
- Store the compactor with engine off in a safe place.
- Always refill fuel tank when the engine is off. Do not allow fuel to come into contact with the hot parts of compactor and engine.
- Do not smoke when using compactor. Keep the compactor out of open flames.
- Always check fuel tank cap. If there is a fuel cock, shut it off when the engine is not working.



WARNING

If fuel tank leaks, replace it immediately: A fuel tank in bad conditions could explode.

- Do not use the compactor in places where there are gaseous exhalations.
- Do not use the machine indoors or in an enclosed area unless inadequate ventilation.
- Always wear appropriate protective clothes.
- When the work area is near slopes, the compactor could turn over.
- When you use compactor in reverse and in a narrow place, the operator must be sideways from the handle in order to avoid stumbling.
- Always operate in safe conditions in order to avoid accidents.
- Always operate in maximum stability conditions.
- Use transport wheels only for movements in yard. In all the other situations they must be removed.
- Always make sure of the proper functioning of the safety and control devices.
- If there are any problems, stop immediately the machine and inform the person responsible of the yard.

TRANSPORT AND LIFTING

- Do not lift the compactor when is running.
- Check that lifting points are not damaged.
- For loading and unloading the compactor, appropriate lifting-gear are necessary which have to be used on the lifting points.
- Be sure that the ramps are fixed and check the tolerable weight in order to avoid turnovers.
- Do not transport compactors when engine is running.
- Tie the machine on vehicle to prevent sliding or tipping over.
- For long transports, empty completely the fuel tank and close it.



WARNING

Do not lift or hook the plate compactor by the handle.

MAINTENANCE

- Use original spare parts only.
- Do not alterate the operation devices of plate compactor.
- Do not alterate RPM of the engine.
- Do not turn the engine on without air filter.



WARNING

Modifications in this machine are subject to the express approval of AGT which in case of non-observance will refuse all liabilities and all warranties.

- Do not make maintenance operations when machine is running or when engine is on.
- As soon as maintenance and repair jobs have been completed, all safety devices have to be properly reinstalled.

PERIODIC MAINTENANCE

Regular maintenance is required for a good performance of the compactor.

Please also observe regulations valid in Your yard.

CLIMBING ABILITY

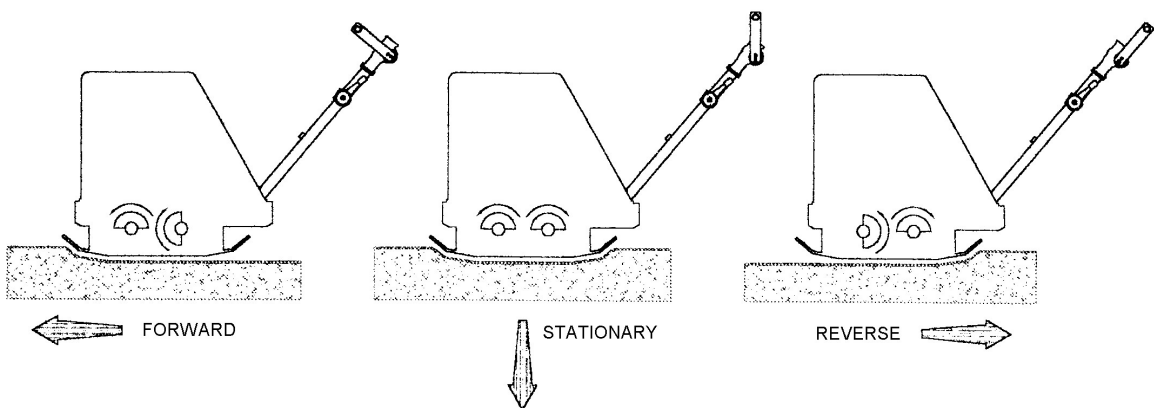
FUNCTION

The vibration required for tamping is produced by the exciter which is on the compacting plate. The engine starts the exciter and the torque is transmitted by the centrifugal clutch and by the belt. In order to allow the idling of the drive engine, the centrifugal clutch, at low engine speeds, interrupts the flow of power to exciter. The compactor must always be used with the gas handle in the "OPERATIVE" position.

The engine support and the compacting plates are connected by 4 shockmount, which are mounted to avoid that vibrations reach the operator.

Plate compactor is equipped with hydraulic system that allow to change gradually the speed.

The direction of plate compactor depends on the position of control levers on the handle.



APPLICATIONS

Deep compaction of medium and big areas. Foundations, digs and floors.



OPERATION

CHECKS BEFORE STARTING

- Before start using compactor, carefully read instruction manual.
- Engine oil level
Check oil level using the proper dipstick. If necessary refill with SAE 10W30 oil.
- Air filter
Check that air filter is clean and in good condition. If necessary clean or replace it.
- Fuel
Never use oil/gasoline mixture or dirty fuel. Avoid getting dirt, dust or water into fuel tank. Refuel avoiding leaks on engine.

ENGINE STARTING (MANUAL)

- Open the fuel valve.
- Move the throttle lever to 3/4 position.
- Turn the choke lever (if present).
- Turn the engine switch on the ON position.
- Pull the starter grip lightly until resistance is felt, then pull briskly.



WARNING

Pull hand crank until it starts, in order to avoid counterblows

- As the engine warms up, gradually move the choke lever (if present).
- Warm up the engine at the minimum speed for some minutes.
- The compactor will start moving when the throttle lever is in operative position.

ENGINE STOPPING (MANUAL)

- Move the throttle lever to the minimum position. Warm up the engine at the minimum speed for some minutes.
- Turn the engine switch on the OFF position.



WARNING

Never operate the engine switch when the engine is at the maximum speed.

- Turn the fuel valve on the OFF position.

ENGINE STARTING (ELECTRIC STARTER)

- Insert the key into the dashboard.
- Turn the key on the ON position and after on the START position until the engine starts.

ENGINE STOPPING (ELECTRIC STARTER)

- Move the throttle lever to the minimum position. Let the engine turn at the minimum speed for some minutes.
- Turn the key on the OFF position.
- Release the key when engine starts



WARNING

Never operate the engine switch when the engine is at the maximum speed.

- Turn the fuel valve to the OFF position.

ENGINE OIL

- Check oil level using the proper dipstick, if necessary refill with SAE 10W30 oil.

Oil change

- Drain oil at warm engine.
- Refill with SAE 10W30 oil.



WARNING

Only use oil with characteristics advised to the manufacturer engine (see engine book).

AIR FILTER (DRY)

Regularly clean the air filter in order to avoid carburettor damages especially when operating in dusty areas.

- Open air cleaner and remove element.
- Lightly and repeatedly tap the element on a hard surface to eliminate all excess dirt.
- Clean the element.
- Refit the air filter. Do not run the engine without the air filter.

HYDRAULIC PUMP

- Put the handle on vertical position.
- Open the pump cover.
- Check oil level, refill if it is necessary.
- Refill until the level with hydraulic oil (See technical data sheets).
- Close the pump cover.



Do not disperse oil, batteries, fuel and dangerous substances in the ambient, as they have high pollution power.

MAINTENANCE

PARTS	MAINTENANCE	INTERVAL
Air filter	Check filter, clean or replace if it is necessary Check filter oil level (only oil bath models)	daily
Fuel tank	Check fuel tank and fuel cap lid. If necessary replace.	
Engine	Check oil level, refill if it is necessary	
Engine	Check engine RPM	
Exciter	Check exciter lid	
Engine	First oil change	After 20 h
Engine	Clean spark plug	Monthly
V-Belt	Check V-belt tension	Monthly
Fuel Tank	Check fuel filter, replace if necessary	After 100 h
Engine	Oil change	
Exciter	Oil change	After 150 h



TROUBLE, CAUSE, SOLUTION

TROUBLE	POSSIBLE CAUSE	SOLUTION
Reduced speed or not forward motion	Low oil level. Check the oil level in the hydraulic pump located in the handle	Put the handle on vertical position. Top the oil until the level. Move the command lever for several times (this operation helps blowing the air out from the oil circuit)
The machine goes only backward	The lip packing is broken or weared	Replace the lip packing
Low backward speed or not speed at all	There's too much oil in the hydraulic pump located on the handle	Fill out the oil in excess and restore the level
	There's some air under pressure in the pump	Open the pump's cap to blow the exceeding air out
The pump oil level decreases during the time	The oil pipe leaks	Replace the leaking parts
	The seal of vibrating cylinder is broken or weared and spilling the oil inside the vibrator	Replace the seal and top up the oil level (pump and exciter)
The engine's revs are regular but the machine does not vibrate	The transmission belt is broken	Replace the belt
	The wear and tear has caused the belt to loosen up	
	The centrifugal clutch has broken	Repair or replace the centrifugal clutch
The engine's revs are low but the exciter does not stop	The centrifugal clutch has broken	Repair or replace the centrifugal clutch
Reduced or irregular speed	The engine revs are not correct	Verify that during compaction gas lever is at the max position
		Reset the engine revs with proper instrument
The engine works and the exciter makes vibration but the machine doesn't work or work in irregular way	Mechanical failure or dismissing of eccentrically weight	Open the exciter and remove the cause of failure
		Contact immediately AGT or any other authorized centre
The engine does not work properly, the clutch makes smoke, the vibrator strains	The mechanicals parts of vibrators do not work properly (bearings are weared and teared, lack of oil, gears are broken)	Open the exciter and replace the weared and teared parts
		Contact immediately AGT or any other authorized centre
The engine turns off or does not work properly	Fuel tank empty	Add fuel
	Oil lack	Add oil
	Dirty air filter	Clean air filter if necessary replace it
	Engine damaged	Contact an engine service center



TECHNICAL DATA

Model	CRBH130	CRBH170	CRBH270	CRBH330
Engine	HONDA GX160	HONDA GX200	HONDA GX270	HONDA GX390
Max. Power	5.5 HP	6.5 HP	9 HP	13 HP
Engine speed	3600 rpm	3600 rpm	3600 rpm	3600 rpm
Displacement	163 cm ³	196 cm ³	270 cm ³	389 cm ³
Travel speed	15 m/min	15 m/min	21 m/min	21 m/min
Centrifugal force	25 kN	30.5 kN	38 kN	38 kN
Compacting depth	30 cm	50 cm	90 cm	90 cm
Vibration frequency	71 Hz	66 Hz	62 Hz	62 Hz
Fuel	unleaded	unleaded	unleaded	unleaded
Tank capacity	3.1 l	3.1 l	5.3 l	6.1 l
Consumption	1.4 l/h	1.7 l/h	2.4 l/h	3.5 l/h
Starting system	recoil starter			
Engine oil	0.6 l	0.6 l	0.95 l	1.1 l
	4 stroke engine oil SAE 10W30, API SJ sau SL			
Exciter oil	0,4 l	0,5 l	0,5 l	0,5 l
	Transmission oil L-CKD (ISO 12925-1 CKD)			
Max. tilt	20 %			
Plate Dimmensions (mm)	630 x 400	730x450(360)	820x650(480)	890x670(500)
Weight (kg)	126	160	255	305
Vibration level EN 500-4	4 m/sec ²	5 m/sec ²	7 m/sec ²	9 m/sec ²
Measured Acoustic power dB(A)	102	102	103	104
Guaranteed acoustic power dB(A)	108	108	108	108
ACCESSORY				
vulkplan pad for paving	OPTIONAL	NO	NO	NO
Extensions	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Guard frame with lifting ring	YES	YES	YES	YES



Model	CRBH-H170	CRBH-H300	CRBH-H400
Engine	HONDA GX200	HONDA GX270	HONDA GX390
Max. Power	6.5 CP	9 CP	13 CP
Engine speed	3600 rpm	3600 rpm	3600 rpm
Displacement	196 cm ³	270 cm ³	389 cm ³
Travel speed	24 m/min	18 m/min	18 m/min
Centrifugal force	30.5 kN	38 kN	40 kN
Compacting depth	50 cm	85 cm	95 cm
Vibration frequency	80 Hz	80 Hz	66 Hz
Fuel	Unleaded	Unleaded	Unleaded
Tank capacity	3.1 l	5.3 l	6.1 l
Consumption	1.7 l/h	2.4 l/h	3.5 l/h
Starting system	recoil starter		
Engine oil	0.6 l	0.95 l	1.1 l
	4 stroke engine oil SAE 10W30, API SJ sau SL		
Exciter oil	0.5 l	0.5 l	0.7 l
	Transmission oil L-CKD (ISO 12925-1 CKD)		
Hydraulic oil	0.2	0.2	0.2
	Hydraulic oil T68		
Max. tilt	20 %		
Plate Dimmensions (mm)	725 x 450	830 x 640	850 x 650
Weight (kg)	165	260	400
Vibration level EN 500-4	5 m/sec ²	7 m/sec ²	9 m/sec ²
Measured Acoustic power dB(A)	102	103	104
Guaranteed acoustic power dB(A)	108	108	108
ACCESSORY			
Guard frame with lifting ring	YES	YES	YES

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