

FORWARD & REVERSIBLE PLATES

LG range

Atlas Copco

Atlas Copco

LG400
SMALL TIRE

Atlas Copco





GET IT DONE

Customers look to you for great compaction. Our job is to provide equipment that help you deliver. Together we create quality.

A customer that keeps coming back is the best praise a company can get. Our job is to help make your customers return for years to come. And, hopefully, we get the chance to serve you again.

When we get down to business there are two things we do that makes life easier for you and your customers. We create forward and reversible plates that work and we provide relevant service when you need it. When you start up the engine all

you should think about is how to do a great job on time and on money. Smart, self-cleaning, design keeps rocks from getting stuck between the plate and frame. The whole point is to let you spend time on actual compaction work instead of bottom plate cleaning.

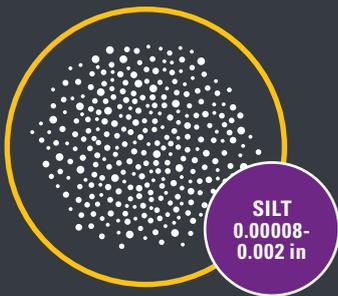
Thanks to vibration reducing design you can work longer hours. Together with high centrifugal force and speed you get more done in less time. Of course our machines need

maintenance from time to time. But by using petrol engines from Honda and diesel engines from Hatz and Lombardini we cut downtime. If you're in the rental business this means popular and easy to use products with good margins.

As for service, we have local support in over 170 markets and teams with product specialists and technicians with one main task: to give you support. That's how we work to help you keep your customers.

KNOW YOUR SURFACE

A great compactor can handle all soils. Here's how to tame mother nature's upper crust.



SILT
0.00008-
0.002 in

SILT NEEDS FORCE

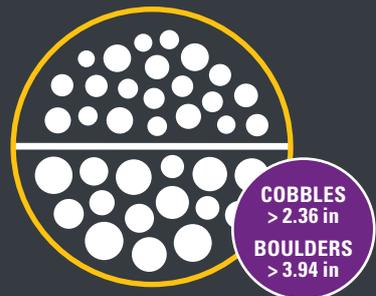
Silt needs proper water content for good compacting. The cohesive soils, like clay and silt, have the smallest particles of all soils. Silt particles are larger than in clay but they are still small enough to require high energy for deep compacting. A powerful forward plate together with your experience gets the job done.



SAND
0.002-0.79 in
GRAVEL
0.79-2.36 in

TAKE IT GENTLE

For sand and gravel you can achieve high-density compaction in either a dry or saturated state. The level of compaction depends more on grading than moisture. Too much compaction of sand and gravel is like beating a concrete wall with a sledgehammer. It can crush the material and reduce the load bearing capacity.



COBBLES
> 2.36 in
BOULDERS
> 3.94 in

PUT ON THE PRESSURE

Cobbles and boulders need high compaction energy to achieve the necessary density and stability. It is especially important if the material is imbedded in clay or silt that may liquefy when wet. Layer thickness should be three times thicker than max particle size. The LH700 or LH800 are perfect for large construction projects. The lighter LG500 for smaller ones.

Layer thickness (in) Passes



4

Compaction capacity (ft³/h)



Layer thickness (in) Passes



4

Compaction capacity (ft³/h)



Layer thickness (in) Passes



4

Compaction capacity (ft³/h)

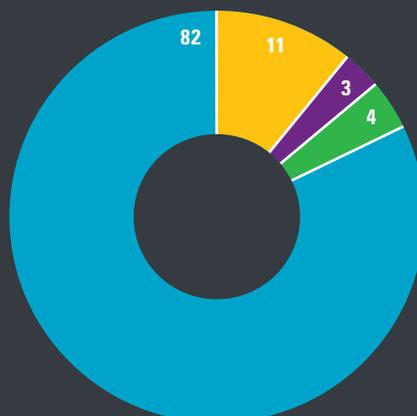


QUALITY PAYS

The graph shows an average (%) over 1,000 hours.

Total costs of ownership are all costs generated by a piece of equipment throughout its lifetime. We always strive to keep the total cost of ownership as low as possible by providing highly productive equipment. The graph shows an average of over 1,000 hours. This varies depending on local conditions.

- Operator
- Investment
- Spares
- Energy





MOVING LIGHT

Models with lower operating mass are perfect for smaller jobs and lighter materials.

Before choosing a machine you have to know what you want to accomplish. Ideal jobs for the LG300, LG200 and LG160 are lighter compaction tasks, such as driveways and pathways. They are ideal when macadam beds are thinner and you need a compactor that can move around corners fast. Thanks to lower operating mass and narrower bottom plates these models are nimble and responsive. Low vibration levels make you effective.

The LG200 is equipped with a diesel engine which only produce hand/arm vibrations of 11,5 ft/s². You will be more efficient as you can work for a full eight hour shift without being exposed to harmful vibration levels. Both petrol and diesel engines have low fuel consumption and low emissions. The heavy-duty steel frame helps protect engine and transmission.



Forward and reversible plates		LG160		LG200			LG300			
Fuel		Petrol	Diesel	Petrol	Diesel	Diesel ¹	Petrol	Petrol	Diesel ¹	Diesel ¹
Operating mass	lb	356	373	478	509	545	584	595	666	677
Centrifugal force	kN	28	28	36	36	36	40	40	40	40
Speed	ft/min	72	72	82	75	75	82	82	82	82
Amplitude	in	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Frequency	Hz	80	80	65	67	65	68	68	68	68
Sound power, guaranteed	L _{WA} dB(A)	108	108	105	106	106	108	108	108	108
Sound pressure at operators ear	(L _{PA} dB(A)	92	92	90	-	-	92	92	95	95
H/A vibrations	ft/s ²	4.9	7.9	11.5	11.5	11.5	7.9	7.9	5.6	5.6
Part number		3382 0000 14	3382 0002 76	3382 0000 65	3382 0002 80	3382 0002 83	3382 0000 39	3382 0000 41	3382 0002 77	3382 0002 78

Dimensions

Plate width	in	17.7	17.7	19.7	19.7	19.7	19.7	23.6	19.7	23.6
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Engine

Model		Honda	Hatz	Honda	Hatz		Honda		Hatz	
Rated power	kW	4.1	2.8	4.8	3.1	3.1	5.8	5.8	4.2	4.2

¹) Electric start. Full dimension details are available in the product's Safety and Operating Instructions (Part number: LG160: 9800 1103 01, LG200: 9800 1105 01, LG300: 9800 1107 01). Available at www.acprintshop.com

Reversible plates **Moving light**

Easy operation

A forward/reverse lever and fixed handle grip makes handling easy.

Lifting made easy

The heavy-duty steel frame is equipped with a lifting eye.

LG
160



GREAT
ERGONOMICS

Low vibration levels

Thanks to great engineering and quality components vibration levels are kept at bay.

Protects the engine

The steel frame protects engine and transmission.

Speed is important

The LG200 can compact at a speed of 82 feet per minute.

LG
200



Plates made to last

Bottom plates are made from Hardox 400-steel.

SAVE TIME
& MONEY

Stand up

Raise the handle to move around sharp corners.

LG
300



Pick your engine

All models are available with both petrol and diesel engines.

MIDDLEWEIGHT CHAMPION

Our heavier reversible plates are suited for thicker layers and heavier materials. Thanks to great vibration dampening they keep you going for years to come.

The LG500 can handle both deep and medium deep compaction of granular soils. Like all our reversible plates, it has earned a reputation as an effective alternative and complement to rollers when compacting soil in confined areas.

High speed, balanced design together with hydraulic forward/reverse lever contributes to easy handling even on rough surfaces or for on-spot compaction. The vibration dampened

handle makes you more effective. Thanks to low vibration levels you can do more hours of compacting and better ergonomics helps you stay concentrated on the task at hand. On certain models the vibration level is as low as 6,9 ft/s².

Thanks to bottom plates made from Hardox 400 grade steel the compactors are both wear resistant and low weight. The bottom plate-

design is self-cleaning and frames around the engine protect sensitive technology. We only equip machines with engines from Honda, Hatz and Lombardini that help reduce emissions and maintenance.

Quality in every detail makes you profitable and it increases the trade-in value of the machine.



Forward and reversible plates		LG400			LG500		
Fuel		Petrol	Diesel ¹	Diesel ^{1,2}	Diesel ¹	Diesel ^{1,2}	Diesel ¹
Operating mass	lb	877	961	961	1,124	1,124	1,157
Centrifugal force	kN	52	52	52	60	60	60
Speed	ft/min	82	82	82	79	79	79
Amplitude	in	0.07	0.07	0.07	0.08	0.08	0.08
Frequency	Hz	60	60	60	60	60	60
Sound power, guaranteed	L _{WA} dB(A)	108	-	-	109	109	109
Sound pressure at operators ear	L _{PA} dB(A)	95	-	-	91	91	91
H/A vibrations	ft/s ²	8.2	6.9	6.9	6.9	6.9	6.9
Part number		3382 0000 11	3382 0000 10	3382 0000 07	3382 0003 24	3382 0003 73	3382 0002 86

Dimensions

Plate width	in	25.6	25.6	25.6	22	22	29.5
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Engine

Model		Honda	Lombardini		Hatz		
Rated power	kW	7.7	6.4		8.2	8.2	8.2

Accessories

With extra plates: 2x3	in	-	-		-	3382 0003 74	-
With extra plates: 2x5.9	in	-	-		3382 0003 16	3382 0003 75	-

1) Electric start. 2) Compaction Indicator. Full dimension details are available in the product's Safety and Operating Instructions (Part number: LG400: 9800 1109 01, LG500: 9800 1111 01). Available at www.acprintshop.com

LG500 reversible plate **Middleweight champion**

Ergonomics add efficiency

You can work more hours thanks to the to vibration damping handle design. The vibration level is low enough to let you work for several hours without reaching harmful levels.

IMPROVE EFFICIENCY

Find the time

With the hour meter kit you can monitor the use of your machine and follow proper service intervals.

Easy operation

The forward/reverse lever and fixed handle grip makes handling easy on all surfaces.

Engines that deliver

We equip our compactors with engines that guarantee uptime, low fuel consumption and low emissions.

More uptime

The self-cleaning and heavy-duty protection frame with impact-resistant covers will protect both engine and transmission.



LG 500

Fold the handle

The handle can be raised to vertical position to facilitate transportation and storing.

Hardox underneath

Plates on the LG-range are made from a extremely wear-resistant steel quality called Hardox 400, designed to last in rough conditions.



Extension plates

The LG and LH ranges offers a wide selection of extension plates.



SAVE TIME & MONEY

Service made easy

A foldable hood on the LG400 makes it easy to reach all vital parts. Less maintenance gives you more uptime.



Know when you're done

The optional compaction indicator tells you when the ground is ideally compacted and when it's time to move on the next task.

WHEN YOU NEED BIG MUSCLES

To be profitable on large infrastructure projects we recommend fully hydraulic reversible plates.

Demands on quality and efficiency are high on large infrastructure projects. The hydraulic models make you effective in three ways.

The first is sheer power and the capacity to compact thick layers. The LH700 and LH804 are our most powerful reversible plates and they can handle compaction of medium to thick layers of granular soils – from sand to rock fill. The ratio of size and compaction capacity also makes these machines a flexible and economical

alternative to a roller in remote locations or confined spaces.

The second way is by being easy to use. You can control the power-equivalent of a 10-ton roller with just the tip of your finger.

The third way we help make you profitable is by creating uptime. Hydraulic transmission increases reliability. Efficient engines from renowned manufacturers keep life cycle costs down and the robust

construction with heavy duty components keep them up and running.

Adding a bluetooth remote control to the LH804-system helps you when work gets tough. The bluetooth remote control lets you work at up to 98 feet distance, far away from obstacles, fumes and the risk of landslips. Since Bluetooth technology uses radio waves, the remote control and the machine does not need a direct line of sight between each other.



Forward and reversible plates		LH700	LH804
Fuel		Diesel ¹	Diesel ¹
Operating mass	lb	1,720	1,808
Centrifugal force	kN	95	95
Speed	ft/min	98	98
Amplitude	in	0.01	0.01
Frequency	Hz	53	53
Sound power, guaranteed	L _{WA} dB(A)	109	109
Sound pressure at operators ear	L _{PA} dB(A)	98	-
H/A vibrations	ft/s ²	10.8	-
Part number		3382 0002 98	3382 0000 72
Dimensions			
Plate width	in	26	26
Engine			
Model		Hatz	
Rated power	kW	11.0	11.0

¹ Electric start. Full dimension details are available in the product's Safety and Operating Instructions (Part number: LH700: 9800 1113 01, LH804: 9800 1387 01). Available at www.acprintshop.com

LH reversible plates **Big muscles**

Heavy duty

Heavy-duty protection frame and impact resistant covers protect the engine, transmission and radio receiver.

**GREAT
ERGONOMICS**

Zero hand/arm vibrations

The LH804 is remote controlled which means no fumes, no vibrations and unrivalled overview.

Sustainable

The system provides low fuel consumption and low emissions.

Goes deep

The LH700 and LH804 series can handle rockfill and provides deep compaction.

You get ...

Robust construction in combination with a sealed hydraulic transmission system. That spells reliability.

Right stuff

Quality engines from renowned manufacturers means uptime and less service.



**LH
804**



**MORE
UPTIME**

It's easy

The foldable hood ensures easy access to all vital parts.



Hydraulics for power

Fully hydraulic reversible plates are made to handle the most demanding jobs.

Work more

The handle of the LH700 is made to dampen vibrations. That makes you more effective.

Good for business

The size and compaction capacity makes the LH700 a flexible and economic alternative to a roller.



**LH
700**



LG400 Compaction Indicator

GET IT RIGHT, RIGHT AWAY

You get a powerful mix by combining your talent with the compaction indicator.

The optional Compaction Indicator on the LG400 and LG500 helps you save both time and money. A clear system of indicator lights shows when you have achieved sufficient compaction. In addition this reduces the risk of over-compaction, which can lead to unsatisfactory end results and unnecessary wear on the machine.

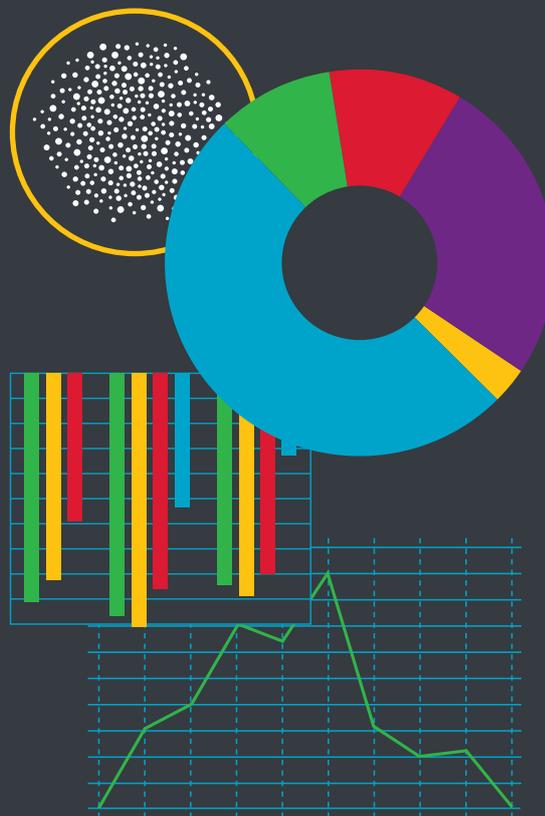
COMPACTION THE SMART WAY

By matching soil-type and machine you will know right away how many passes you need to make to achieve great compaction.

The CompBase provides data of compaction performance for our machines on a wide range of unbound materials (soil and rock fill). After matching the soil-types, simply select the desired machine and you will be able to determine the number of passes needed on the layer thickness at hand. The required degree of compaction is specified in Standard or Modified Proctor.

Based on this you can easily calculate the number of machines needed to manage the compaction within the given time limits. All our customers can have their own copy of CompBase.

Please contact your nearest Atlas Copco representative for more information.



SAVE TIME, EQUIPMENT AND MONEY WITH COMPACTION INDICATOR

The Compaction Indicator's clear, simple system of indicator lights is designed to help you recognize when the job is done. The Compaction Indicator is available as an option on the **LG400** and **LG500**.



1 FIRST YELLOW LIGHT
Indicates low compaction levels – keep compacting!



2 SECOND YELLOW LIGHT
Indicates compaction levels are increasing – keep compacting!



3 GREEN LIGHT
Indicates compaction levels are close to optimum – keep compacting!



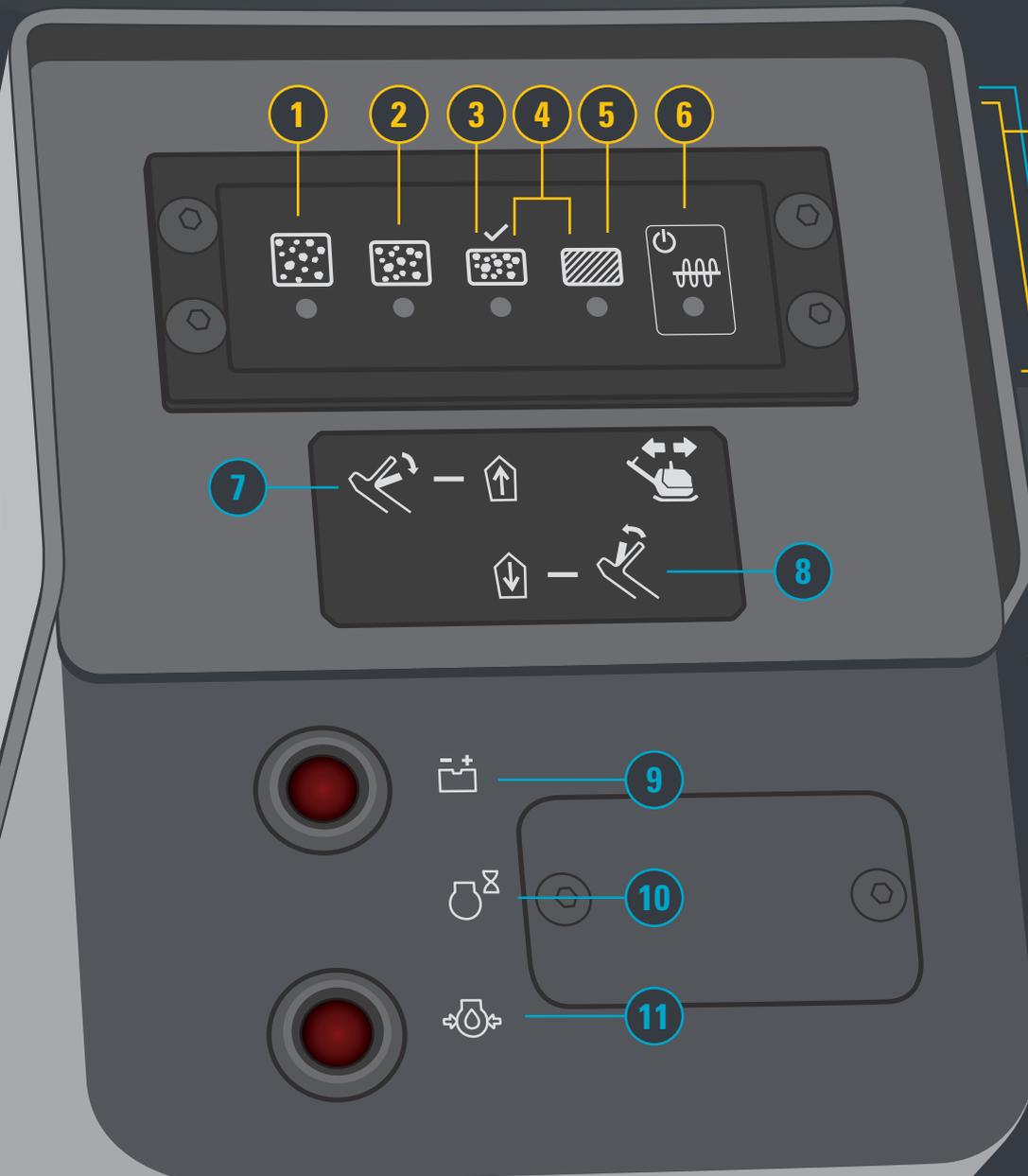
4 FLICKERING RED-GREEN LIGHTS
Indicate compaction levels are close to maximum – keep compacting!



5 RED LIGHT
Indicates maximum compaction level is reached – stop compacting!



6 SYSTEM CHECK
Green light shows the engine is idle.



LG400 only has the indicators shown in the top portion of the illustration (1-6)

The entire illustration shows the interface of **LG500**. (1-11)

7 FORWARD
Push the lever away from yourself and move forward.

8 BACKWARDS
Push the lever towards yourself and move backward.

9 IGNITION INDICATOR

10 OIL PRESSURE IN PROGRESS
Red light while the pressure builds up.

11 OIL PRESSURE OK
Shows that the pressure is good to go.

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

www.atlascopco.com

The Atlas Copco logo consists of the company name in a white, italicized serif font, centered between two horizontal white bars of equal length.

Atlas Copco