

FORWARD & REVERSIBLE PLATES

LG range

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.

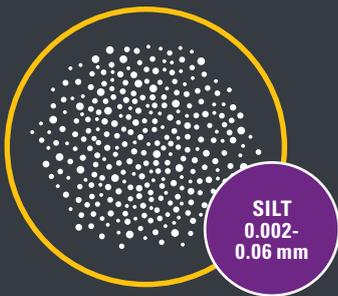
Thanks to vibration reducing design you can work longer hours. Together with high centrifugal force and speed you get more done in less time. Of course our machines need

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.

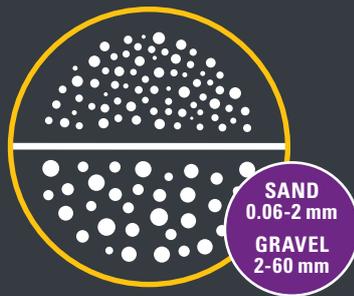
KNOW YOUR SURFACE

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



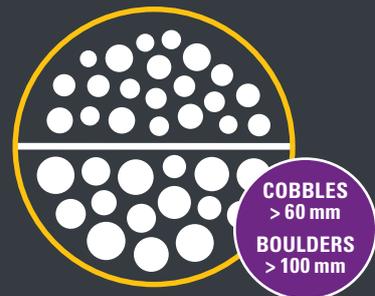
SILT NEEDS FORCE

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.



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.



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 LG504 for smaller ones.

Layer thickness (m)



Passes

4

Compaction capacity (m³/h)



Layer thickness (m)



Passes

4

Compaction capacity (m³/h)



Layer thickness (m)



Passes

4

Compaction capacity (m³/h)

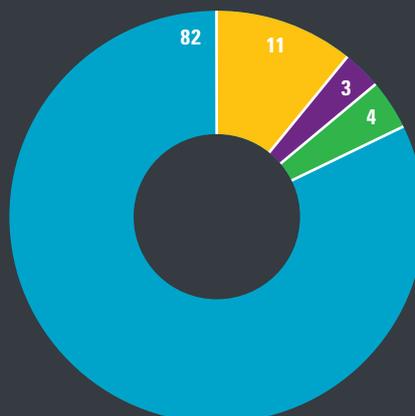


QUALITY PAYS

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 ■ Spares
■ Investment ■ 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, LG204 and LG164 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 LG204 is equipped with a diesel engine which only produce hand/arm vibrations of 3.4 m/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		LG164					LG204			LG300						
Fuel		Petrol		Diesel			Petrol	Diesel		Petrol		Diesel				
Operating weight	kg	148	156	166	170	170	211	228	244	265	270	282	287	302	307	
Centrifugal force	kN	28	28	28	28	28	36	36	36	40	40	40	40	40	40	
Speed	m/min	-	-	22	22	22	23	22	22	25	25	35	25	25	25	
Amplitude	mm	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7	
Frequency	Hz	80			80			65			68		68			
Sound power, guaranteed	L _{WA} dB(A)	108		108			106	108		108		108				
Sound pressure at operators ear	(L _{PA} dB(A)	82	82	84	84	84	90	90	90	92	92	95	94	94	94	
H/A vibrations	m/s ²	2.3	2.3	3.2	3.5	3.5	3.5	3.4	3.5	2.4	2.4	1.7	1.7	1.7	1.7	
Plate width	mm	350	450	350	450	600	500	500	500	500	600	500	600	500	600	

Engine

Model		Honda		Hatz			Honda	Hatz		Honda		Hatz			
Rated power	kW	3.6	3.6	3.1	3.1	3.1	4.7	3.1	3.1	5.8	5.8	4.2	4.2	4.2	4.2

Part numbers

Manual start		3382 0005 86	3382 0005 87	3382 0005 84	3382 0005 85	3382 0005 96	3382 0005 80	3382 0005 79	-	3382 0000 39	3382 0000 41	3382 0000 37	3382 0000 40	-	-
Electric start		-	-	-	-	-	-	-	3382 0005 78	-	-	-	-	3382 0000 38	3382 0000 36

Full dimension details are available in the product's Safety and Operating Instructions (Part number: LG160: 9800 1103 01, LG204: 9800 1760 01, LG300: 9800 1107 01). Available at www.acprinthop.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.

**GREAT
ERGONOMICS**

Low vibration levels

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

**LG
164**



Protects the engine

The steel frame protects engine and transmission.

Speed is important

The LG204 can compact at a speed of 25 metres per minute.

**LG
204**



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.

EASY HANDLING, LOW VIBRATIONS

Experience new levels of traction with the new LG forward and reversible plate compactors.

Meet the LG504, the latest addition to our forward and reversible plate compactor family. The machine provides impressive traction, particularly on wet soil, thanks to higher frequency, higher centrifugal force and higher amplitude. The new models also feature better ergonomics and improved access for service and maintenance. The middleweight LG 504 is optionally equipped with a compaction indicator which helps the user get it right first time.

The new model can handle both deep and medium deep compaction of granular soils and give outstanding traction. Like all our forward and reversible plate compactors, they are an effective alternative and complement to rollers when compacting soil in confined areas.

The design of the new machines follows the new forward and reversible plate compactor family style which is more modern and

gives better performance with less impact on the operator. High speed and machine balance contribute to easy handling, even on rough surfaces. Thanks to the vibration-damped handle, hand-arm vibration levels are low. This combined with better overall ergonomics enable the user to work for longer periods more effectively, staying concentrated on the task at hand.



Forward and reversible plates		LG400	LG400 (CE)	LG504		
Fuel		Petrol	Diesel	Diesel		
Starter type		Manual	Electric	Manual or electric		
Operating weight	kg	398	436	470	498	513
Centrifugal force	kN	52	52	65	65	65
Speed	m/min	25	25	32	32	32
Amplitude	mm	1.8	1.8	2.4	2.4	2.4
Frequency	Hz	60	60	69	69	69
Sound power, guaranteed	L _{WA} dB(A)	108	108	109	109	109
Sound pressure at operators ear	L _{PA} dB(A)	95	93	96	96	96
H/A vibrations, standard handle	m/s ²	2.5	2.1	2.5	2.5	2.5
Plate width	mm	650	650	550	700 (550+2x75)	850 (550+2x150)

Engine

Model		Honda	Lombardini	Hatz 1D81Z		
Rated power	kW	7.7	6.2	8.2	8.2	8.2

Part numbers

Manual start		3382 0000 11	-	3382 0005 72	3382 0005 73	3382 0005 76
Electric start		-	3382 0000 09	3382 0005 50	3382 0005 51	3382 0006 07
Electric start & compaction indicator		-	3382 0000 06	3382 0003 49	3382 0003 50	3382 0006 39

Full dimension details are available in the product's Safety and Operating Instructions (Part number: LG400: 9800 1109 01, LG504: 9800 1721 01). Available at www.acprintshop.com

LG504 reversible plate **Middleweight champion**

More uptime

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

Engines that deliver

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

Ergonomics add efficiency

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

IMPROVE EFFICIENCY

Easy operation

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



LG
504

Find the time

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

Hardox underneath

Plates on the LG-range are made from an extremely light and wear-resistant steel quality called Hardox 400, designed to last in rough conditions. The smart, self-cleaning design keeps rocks from getting stuck between the plate and frame.

Excellent traction on wet soil



Extension plates

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



Fold the handle

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

SAVE TIME & MONEY

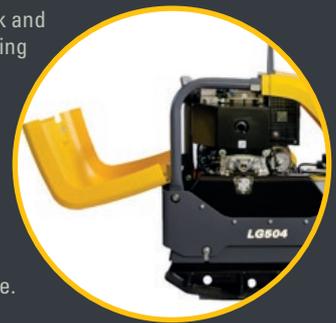


Know when you're done

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

Service made easy

Better access to the tank and the drive belt for tensioning make maintenance easy. The oil in the eccentric box can be changed via a convenient opening on the front of the machine. The hydraulic pump is mounted on the engine which reduces the risk of impact damage.



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 30 metres 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	Diesel
Starter type		Electric	Electric
Operating weight	kg	780	820
Centrifugal force	kN	95	95
Speed	m/min	30	30
Amplitude	mm	2.5	2.5
Frequency	Hz	53	53
Sound power, guaranteed	L _{WA} dB(A)	109	109
Sound pressure at operators ear	L _{PA} dB(A)	99	-
H/A vibrations, standard handle	m/s ²	3.3	-
Plate width	mm	660	660
Engine			
Model		Hatz	
Rated power	kW	11.0	11.0
Part number			
Electric start		3382 0000 71	3382 0000 72

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 ...

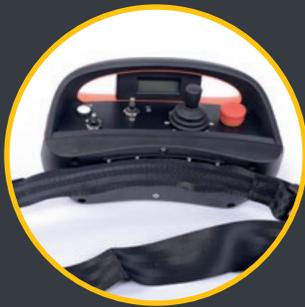
Robust construction in combination with a sealed hydraulic transmission system. That spells reliability.

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.



Remote control

The new bluetooth remote control system keeps you out of harms way. Thanks to individually paired units there is no risk of electromagnetic disturbance between the control and receiver. Bluetooth does not require a direct line of sight between the communicating devices.

Work more

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

Hydraulics for power

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



**LH
700**

Good for business

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



LG400 Compaction Indicator

GET IT RIGHT, FIRST TIME

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

The optional Compaction Indicator on the LG504, the largest machine in our middleweight range, helps save both time and money. A clear system of indicator lights shows when sufficient compaction has been achieved. This also 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.

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 **LG504**.



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!



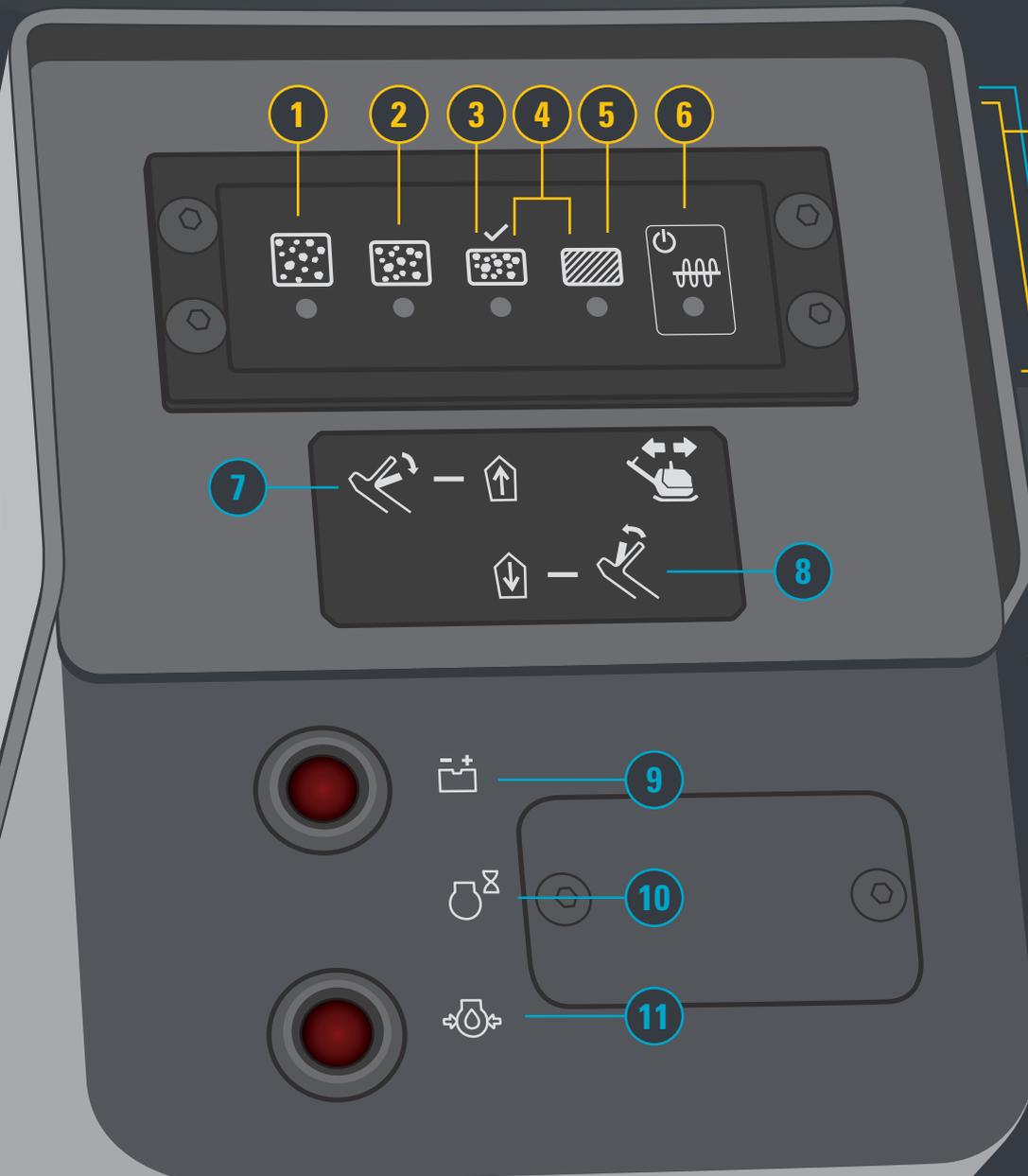
4 FLICKERING RED-GREEN LIGHTS
Indicate compaction levels are close to maximum – keep compacting!



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 **LG504**. (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