

Atlas Copco forward and reversible plates
More compaction efficiency, longer lasting



Sustainable Productivity





Expect more

Get the job done faster ...

The Atlas Copco range of compaction equipment will take your productivity to a whole new level. Outstanding compaction efficiency – thanks to great centrifugal force and the high speed of our forward and reversible plates – enables you to get the job done faster and squeeze more into your daily schedule.

Easier ...

Making your workday easier and more productive is our highest priority. Starting, maneuvering and transportation is made easy with smart engineering solutions such as the bow shaped lever on the LG400 easily reached from

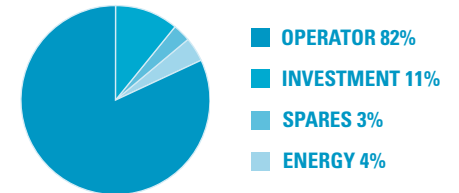
any position on the fixed handle, or the self-cleaning design that keeps rocks from getting stuck between plate and frame. Ergonomic design and vibration-reducing features make work easier and increase efficiency further.

And more cost effectively

You need equipment built to last – machines with long service intervals and low life cycle costs. Our innovative designs stem from long experience in the industry, and from keeping close ties with customers like you in order to match your needs and increase productivity.

Lowest cost of ownership

Total cost of ownership is 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 is showing an average over 1000 hours. This varies depending on local conditions.



EQUIPMENT FOR COBBLES AND BOULDERS

Cobbles and boulders need high compaction energy to shift large boulders and achieve the necessary density and stability. They need the compaction impact of our reversible plates such as the LH700 or LH800 for large construction projects, or the lighter LG500. Layer thickness should be three times thicker than max particle size.



LH700

COBBLES > 60 mm BOULDERS > 100 mm		
Layer thickness	m	0.6-0.8
Passes		4
Compaction capacity	m ² /h	150-240



EQUIPMENT FOR SAND AND GRAVEL

All of our reversible plates work excellently on sand and gravel. Your choice of equipment depends on compaction and capacity requirements. We recommend all of our machines, but our medium to heavy reversible plates provide the best capacity, especially on thick layers.

SAND 0.06-2 mm GRAVEL 2-60 mm		
Layer thickness	m	0.4
Passes		4
Compaction capacity	m ² /h	25



EQUIPMENT FOR SILT

Silt is more difficult to compact due to cohesion and requires high compaction energy. We recommend all of our fast reversible plates from the popular LG400 model with its excellent compaction efficiency up to the heavier LH700 and LH800 models.



LG400

SILT 0.002-0.06 mm		
Layer thickness	m	0.2-0.3
Passes		4
Compaction capacity	m ² /h	30-90



Long-term investment in efficiency

With their high speed, world-class compaction efficiency our reversible plates have become popular and economical alternatives – or complements – to rollers for the compaction of soil in confined areas such as trenches or parking lots. A top-quality steel bottom plate, compaction indicator and vibration-reducing handle make a machine you can trust to get the job done in the best possible way.

Easy handling in all situations

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

The handle features a vibration damping design that reduces hand/arm vibrations for increased operator comfort. The fully hydraulic reversible plates of our LH range take productivity even further, especially on thicker layers of granular soils, such as rockfill.

Good quality gives good results

An investment in quality is an investment in sustainability and reliability. Top quality steel in the self cleaning bottom plate, first-class components, modern engines with reduced fuel consumption and

emissions, and durable protection frames around the engines contribute to long lasting machines with high trade-in values. At the end of the day, you get the job done with good results. And in the long run you get less maintenance, higher efficiency and a lower life cycle costs.

Technology that saves you time and money

The optional Compaction Indicator on the LG400 helps you reduce cost of ownership even further. A clear system of indicator lights shows when sufficient compaction is achieved. Not only does this save time it also reduces the risk of over-compaction which can lead to unsatisfactory end results and unnecessary wear on the machine.



The single hydraulic control valve makes changing direction fast and easy.

FORWARD & REVERSIBLE PLATES

ERGONOMIC

Reduced hand/arm vibrations thanks to vibration-damping handle design.

EFFICIENT

The Compaction Indicator on the LG400 (optional) located ergonomically on the handle helps to optimize the number of passes.

VERSATILE

The LG & LH range offers a wide selection of bottom plate widths and machine weights.

LESS WEAR

Heavy-duty Hardox 400 plate on the LG range.

EASY OPERATION

Hydraulic forward/reverse lever and fixed handle grip makes handling easy even on rough surfaces.

LONG SERVICE LIFE

All diesel engines, except on LG500, are equipped with hour meters to help you follow proper service intervals. Robust general design.

SUSTAINABLE

Outstanding engines with low fuel consumption and low emissions.

EASY SERVICE

The foldable hood ensures easy access to all vital parts.

DURABLE

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



Hydraulics makes it turn

The LH800 turns without a steering handle thanks to the hydraulic control system that enables counter rotation of the eccentric weights.



Accessories

Transportation wheels and extension plates are examples of accessories that help you increase productivity.

FORWARD & REVERSIBLE PLATES

Atlas Copco offers a full range of forward and reversible plates in weight classes from 155 to 820 kg, featuring plate widths from 330 to 750 mm. Our reversible plates are specially designed to compact medium to deep layers

of granular soils in confined areas, such as trenches, parking lots and foundations. With a block paving kit they are also suitable for block paving applications.



		LG160	LG160	LG160	LG160	LG200	LG200	LG200 electric start	LG300	LG300	LG300	LG300	LG300 electric start	LG300 electric start
Operating mass	kg	155	161	169	175	217	231	247	265	270	282	287	302	307
Centrifugal force	kN	28				36			40					
Speed	m/min	22				25			25	25	35	25	25	25
Plate width	mm	330	450	330	450	500			500	600	500	600	500	600
Amplitude	mm	1.4				1.9			1.7					
Frequency	Hz	80				65			68					
Engine brand		Honda	Honda	Hatz	Hatz	Honda	Hatz	Hatz	Honda	Honda	Hatz	Hatz	Hatz	Hatz
Rated power	kW	4.1	4.1	2.8	2.8	4.8	3.1	3.1	5.8	5.8	4.2	4.2	4.2	4.2
Sound power, guaranteed	L_{WA} dB(A)	108				105			108					
Sound pressure at operators ear	(L_{pA}) dB(A)	92				90			92	92	94	94	94	94
H/A vibrations	m/s^2	1.5	1.5	2.4	2.4	3.5	3.5	3.5	2.4	2.4	1.7	1.7	1.7	1.7
Part number		3382 0000 15	3382 0000 14	3382 0000 13	3382 0000 12	3382 0000 65	3382 0000 66	3382 0000 67	3382 0000 39	3382 0000 41	3382 0000 37	3382 0000 40	3382 0000 38	3382 0000 36
Safety and Operating Instructions		9800 110301				9800 110501			9800 110701					

Important: Full dimension details are available in the product's Safety and Operating Instructions (see table above for ID-number). Available at www.acprintshop.com.



LG400	LG400 (CE)	LG400 (EPA)*	LG500	LG500	LG500	LG500	LH700	LH800
	electric start	electric start			electric start	electric start	electric start	electric start

Operating mass	kg	398	436	436	490	505	510	525	780	820
Centrifugal force	kN		52				60		95	
Speed	m/min		25				24		30	
Plate width	mm		650		550	750	550	750	660	
Amplitude	mm		1.8				2.1		2.5	
Frequency	Hz		60				60		53	
Engine brand		Honda	Lombardini	Lombardini			Hatz		Hatz	
Rated power	kW	7.7	6.2	6.4			8.2		11.0	
Sound power, guaranteed	L _{WA} dB(A)	108	108	-			109		109	
Sound pressure at operators ear	L _{PA} dB(A)	93.2	94.5	-	96	96	91	91	95	-
H/A vibrations	m/s ²	2.5	2.1	2.1	3.4	3.4	2.1	2.1	3.4	-
Part number		3382 0000 11	3382 0000 09	3382 0000 10	3382 0000 54	3382 0000 57	3382 0000 55	3382 0000 56	3382 0000 71	3382 0000 72
Part number with extra plate	2x75						3382 0000 63			
Part number with extra plate							3382 0000 62			
Compaction Indicator part number	2x150		3382 0000 06	3382 0000 07						
Safety and Operating Instructions			9800 110901			9800 111101		9800 111301	9800 111501	

*EPA = US Environmental Protection Agency.
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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.

1. Located in the centre of the handle – always easy for the operator to see.
2. ● First yellow light indicates low compaction levels – keep compacting!
3. ● Second yellow light indicates compaction levels are increasing – keep compacting!
4. ● Green light indicates compaction levels are close to optimum – keep compacting!
5. ● Flickering red-green lights indicate compaction levels are close to maximum – keep compacting!
6. ● Red light indicates maximum compaction level is reached – stop compacting!

COMPACTION INDICATOR
Retrofit kit
4812 07069

SUSTAINABLE PRODUCTIVITY

An investment in quality is an investment in sustainability and reliability. Intelligent engineering, top quality materials, first-class components and modern engines with low fuel consumption and emissions, contribute to long lasting machines with high trade-in values. To keep things that way and to maximize your uptime we provide reliable service whenever and wherever you need it. At the end of the day, you get the job done with good results. Atlas Copco's goal is to help you reduce maintenance, increase efficiency and keep life cycle costs down.

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.



DYNAPAC TECHNOLOGY

All Atlas Copco compaction equipment is based on Dynapac Technology. This marque of excellence provides exceptional end results based on experience, engineering expertise and on numerous successful innovations. After more than 75 years at the forefront of compaction and asphalt technology, Dynapac remains a famous brand in road construction. The Atlas Copco range of light compaction equipment is based on this heritage.

