

Atlas Copco forward soil & asphalt plates

More ergonomic, faster compaction



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information about Forward
Soil & Asphalt Plates

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 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. With smart engineering solutions such as the simple but effective water distribution system on our forward plates, up time is increased. Ergonomic design and reduced

hand/arm vibration counteract fatigue 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.

EQUIPMENT FOR SILT

Compaction effect on silt depends largely on water content. In pure silt or where the silt is primarily mixed with other coarse-grained fractions, there is little cohesion. We recommend our forward plates for optimum compaction capacity on silt.

SILT 0.06 mm		
Layer thickness	m	0.3
Passes		4
Compaction capacity	m ³ /h	15-20



EQUIPMENT FOR ASPHALT

For asphalt we have forward plates with high reliability and smart water distribution systems that make work on asphalt easy. They are easy to clean, leave no marks in the asphalt and are able to use whatever water is available on the construction site.



LF75

ASPHALT		
Layer thickness	m	-
Passes		4
Compaction capacity	m ³ /h	120-150



EQUIPMENT FOR SAND AND GRAVEL

All of our forward plates work excellently on sand and gravel. Medium to heavy forward plates provide the best capacity and will achieve compaction on thick layers. Lighter vibratory compactors such as the LF80 forward plate give good compaction results on limited layer thicknesses and are fast and easy to work with.



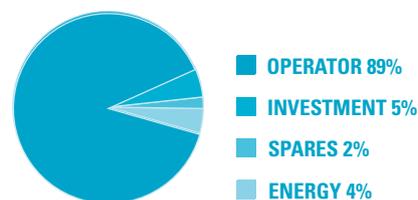
LF80

SAND 0.06-2 mm GRAVEL 2-60 mm		
Layer thickness	m	0.4
Passes		4
Compaction capacity	m ³ /h	25



Lowest cost of ownership

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



Multitalented timesavers

Atlas Copco forward plates let you do it all – backfilling, block paving and asphalt surfacing. Hook on the water tank for asphalt or a kit for block paving and you are all set for every type of compaction work.

Accomplish more

Smart, low maintenance design solutions let you spend more time on actual compaction work instead of bottom plate cleaning, pipe cleaning and other maintenance jobs.

Our forward plates mean increased productivity. The new models are up to 35 percent faster* compared to previous models and their high compaction efficiency and long up-time help you get the job done fast.

It's the result that matters

You can be sure of good results when compacting with our forward plates. The bottom plates have rounded edges to avoid marking the surface. For asphalt work, our water distribution system ensures the entire surface is watered uniformly to prevent the machine from stalling. The absence of tubes makes the system very reliable.

Water consumption is optimized with a flow adjustment valve, easily reached by the operator. The large removable tank with an oversized, secure cap makes refills fast, easy and less frequent.

Save time and energy

Our forward plates help you save time and energy. Lower maintenance and service requirements mean lower long-term costs. Machines that last and get the job done fast – a great combination for productivity.

*The new LF80 is 35 percent faster compared to the previous model LF82.



The central attachment point means the handle can be raised to the vertical position, which makes working close to obstacles easier.

OPERATOR COMFORT

All forward plates are equipped with a patented reduced vibration handle that gives very low hand/arm vibration, compared to conventional handles.

EASY TRANSPORTATION

Standard lifting eye for crane lifting. Positioned to keep the machine in balance during lifting.



MORE EFFICIENT

Optional 13-liter water tank with easy-to-reach flow adjustment valve and large secure cap for swift refills.



MORE SPEED

The new LF model is significantly faster than its predecessors. The LF80 is 35 percent faster than the earlier model LF82.

SAVING SPACE

Fully foldable handle facilitates transport and storage.

LONGER SERVICE LIFE

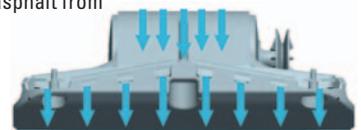
Long V-belt life thanks to cooling fan and ventilated cover.

BETTER END RESULTS

Specially designed bottom plate leaves no marks.

RELIABLE WATERFLOW

Robust and virtually maintenance-free water distribution system prevents asphalt from sticking to the plate.



WORK MORE COMFORTABLY

The smart design of our devibrated handle reduces hand and arm vibrations by 80 percent.



Accessories

Get more out of your forward plate with accessories like a block paving kit and transportation wheels.

FORWARD SOIL & ASPHALT PLATES

Our forward plate range covers weight classes from 53 to 141 kg and plate widths from 320 to 500 mm. They are specially designed for compacting thin to medium layers of granular soils and with a water tank added, asphalt too. Ideal applications include repair jobs and maintenance work such as driveways, pathways and parking lots. With a block paving kit the forward plates are also suitable for block paving applications, making this a multi-task range that offers high productivity.

The LX90 vibratory plate compactor features a unique round base that allows flush compaction next to posts, pillars, guardrails, manholes, drainage inlets and foundations. The absence of protruding parts in combination with durable materials and features like oil alert make the LX90 both robust and user friendly.



SOIL		LF50	LF60	LF80	LF100 Petrol	LF100 Diesel	LF130 Petrol	LF130 Diesel	LX90**
Operating mass	kg	53	58	82	95	106	135	141	96
Centrifugal force	kN	8.4	10.4	19	17		20		-
Speed	m/min	24	25	34	25		22		22
Plate width /diameter**	mm	320	350	420	500		500		450
Amplitude	mm	0.9	0.9	1.3	0.9		0.9		-
Frequency	Hz	95	95	95	95		95		-
Engine brand		Honda	Honda	Honda	Honda	Hatz	Honda	Hatz	Honda
Rated power	kW	2.2	2.2	4.1	4.1	2.5	4.1	2.5	4.0
Sound power, guaranteed	L _{WA} dB(A)	100	100	103	104		104		104
Sound pressure at operators ear	L _{PA} dB(A)	89	88	91	93		93		92
H/A vibrations, standard handle	m/s ²	6.9	7.9	6.7	6.0	9.3	5.4	9.3	6.1
H/A vibrations, vibration reduced handle	m/s ²	1.9	1.9	1.2	1.3	1.9	1.1	1.9	-
Part number		3382 0000 32	3382 0000 33	3382 0000 25	3382 0000 28	3382 0000 30	3382 0000 34*	3382 0000 35*	3382 0000 53
Part number with water tank		-	-	3382 0000 26*	3382 0000 27	3382 0000 29*	-		-
Safety and Operating Instructions		9800 111701	9800 111901	9800 112301	9800 112501		9800 112701		9800 112901

*With transport wheels. **Plate diameter of Round Forward Plate. 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.



UNIQUE WATER SOLUTION

Our forward plates for asphalt surfacing are effective and easy to use. The 13-liter corrosion-free water tank is very easy to hook on and off making refill stops swift and less frequent. An optional extra water tank increases efficiency even further.

The almost maintenance-free water distribution system contributes to

long up-time. And last but not least, the specially designed bottom plate with its rounded edges leaves no marks and provides superb end results.

All in all this means that you can get more done in less time thus increasing profitability.



SOIL & ASPHALT

		LF75	LF75	LF100	LF100	LF100 Diesel
Operating mass	kg	92	95	100	107	116
Centrifugal force	kN	15		17		
Speed	m/n	27	24	25		
Plate width	mm	420	500	500		
Water Sprinkler kit	l	13			13	
Amplitude	mm	1.0			0.9	
Frequency	Hz	95			95	
Engine brand		Honda		Honda	Honda	Hatz
Rated power	kW	4.1		4.1	4.1	2.5
Sound power, guaranteed	L_{WA} dB(A)	102			104	
Sound pressure at operators ear	L_{pA} dB(A)	91			93	
H/A vibrations, standard handle	m/s^2	6.0		6.0	6.0	9.3
H/A vibrations, vibration reduced handle	m/s^2	1.2		1.3	1.3	1.9
Part number		3382 0000 23*	3382 0000 21*	3382 0000 31	3382 0000 27*	3382 0000 29*
Part number without water tank		3382 0000 22	3382 0000 24	3382 0000 28	3382 0000 30	
Safety and Operating Instructions		9800 112101			9800 112501	

*With transport wheels. 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.

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 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.

