

DYNAPAC CITY PAVER RANGE

Dynapac F1700W /F1700WS



Atlas Copco

A really powerful machine with smart operation and convenient dimensions describes the Dynapac F1700WS paver. With a laying capacity of 350 t/h, impressive agility and traction, F1700 is the perfect choice for the widest range of jobsites. Equipped with the choice of Vibration or Tamper & Vibration screed, electric or gas heating the Dynapac F1700 paver ensures excellent paving results with very high degrees of compaction and excellent surface quality. This City paver offers maximum reliability with high quality components and state of the art design and manufacturing.

PRECISE POWER

AGILE TRACTION

The Dynapac F1700 wheeled paver is a very agile paver in its class with its precise steering and high traction. This City paver offers precision and stability through its well balanced wheel base and high end steering device that ensures traction, minimum turning radius and great maneuverability. Its short dimensions and high ramp up angle make transporting easy and convenient even with mounted extensions.

RELIABLE POWER

F1700WS is loaded with a 4-cylinder Deutz diesel engine with an output of 52 kw (71 hp) and handles working widths from 0.70 up to 4.10 m and an output of 350t/h. The large hopper with a capacity of 10t of material buffer makes narrow jobsites convenient to operate. Dynapac City pavers feature a wide range of easy to operate screeds. This combination of precision, stability and power, ensures an unmatched paving result!

*Dynapac F1700W / WS wheeled paver
- versatile paver with high traction!*



	<i>F1700W</i>	<i>F1700WS</i>
Eng. power at 2,200min	52kW	52kW
Theor. paving capacity	350t/h	350t/h
Max. working width	4.10 m	4,10 m

EXACT APPLICATION



PRECISE STEERING

The accurate Ackermann steering device gives excellent maneuverability and a large steering angle – a major advantage when paving in narrow situations. The device ensures good paver stability even when the maximum steering angle is applied. A positive side effect is a reduction in wear on the front wheels.



HIGH TRACTION

The long wheel base of almost 1.6 m and the large and 385mm wide rear tires ensure very good power transmission. It also gives excellent stability as well as high traction even in difficult paving situations. F1700 wheeled pavers are offered in two power classes, the F1700W with 2-wheel drive and the F1700WS with 4-wheel drive and anti-spin control.

SMOOTH





LARGE CAPACITY HOPPER

The F1700 features a large hopper of 10t (4.7 m³) capacity with separately controlled hopper wings. The push rollers automatically come up when the hopper is closed. Paving in situations where refilling options are limited (under bridges e.g.) is not a problem with this large material buffer. It features pivotable push rollers to make docking easier. The hopper is 1.65 m long and 2.90 m wide to manage large material trucks. To prevent spilling of material an optional hydraulic front flap is available.



SMOOTH MATERIAL FLOW

Dynapac optimized hopper and conveyor for an outstanding material transfer. The Dynapac F1700 hopper has a very low dumping height (600 mm) for fast and easy material transfer from lorries. Chamfered hopper corners prevent cold material being left in the hopper. The wide twin conveyor can transport up to 350 t/h. The tunnel is shaped to create a smooth material flow and for easy repositioning the conveyor is reversible.



HIGH QUALITY AUGER SYSTEM

The left and right augers are driven independently and controlled continuously variable even in reverse mode. The strong auger system with a large auger diameter of 350 mm provides a perfect paving result at all working widths. The auger height can be adjusted mechanically or hydraulically up to 200 mm.

WORK FLOW

SMART DIMENSIONS

When working with a city paver, flexibility is everything. One day working on a side walk at 4.1 m, the next day doing a repair job in a narrow alley. Every job is different with different preconditions. Dynapac F1700W & WS offers a paving width from 0.7 m up to 4.10 m. Paving in narrow areas is made easier by the Dynapac F1700W's length of less than 5 m and width of 1.7 m. With a height of less than 3 m, the Dynapac wheeled City Pavers are well suited for performing work in different terrain, under bridges and trees, uphill, downhill and on sharp turns.



RELIABLE QUALITY



ALL AROUND VIEW

From the operators platform you have an excellent overview of the working situation. Due to the operator position you have a full view in to the auger compartment and into the hopper as well as eye contact with the truck driver. The swing out lane indicator can easily be seen from the platform. The new roof offers 4 integrated working lights to the front and to the rear. Optional LED lights are available.

UNMATCHED

CONVENTIONAL OPERATION

Conventional Operation

Toggle switches enable easy and intuitive operation. The conventional electric system is self-explanatory, and easy to learn and maintain. Since no computer has to boot, the paver is immediately ready for paving as soon as the key is turned. Driving and material control are separated, which makes it easy to handle the paving process. Lights on the dashboard allow paving in the dark. From this central operator dashboard all material related functions can be set in manual or in automated mode for a fully automated material process.



ERGONOMIC WORKPLACE

The operator's comfort is our priority. We focus on providing an ergonomic high end work place. The two ergonomic seats, also available with seat-heating, can be adjusted to any position you need. To enhance the visibility even further you can extend the operators seat out over the edge by 285 mm. The dashboard is slidable and can be placed anywhere along the operator platform, even along with the seat when extended over the edge. Optional windshields with wipers and side protection shields are a plus when paving in windy and rainy conditions.



PAVING QUALITY

EASY TRANSPORTATION

Transportation flexibility is a great advantage when working at various jobsites, saving you time and money. The Dynapac F1700W can travel at up to 18 km/h from site to site, and meets the requirements for road homologation. Due to its width of 1.70 m it is possible to transport the paver with mounted extension boxes of 350 mm. Still the maximum transport width of 2.55 m is retained. This significantly reduces set-up time on the jobsite, whenever paving with extensions is necessary.

SERVICEABILITY

On the Dynapac F1700W paver all service points are easy to access from the outside, thanks to wide hoods and panels. The machine is equipped with well-proven, high quality components with the focus on weather resistance and ruggedness.

The engine compartment is easily accessible even when the hopper is closed. The low noise, reliable 52 kW Deutz engine is characterized by its efficiency and economy.

RELIABILITY

Continuous working intervals are supported by a large fuel tank and long service intervals for lubrication. Wear-resistant components ensure reliability and lower cost of ownership. Atlas Copco focuses on high value, long life products and therefore targets reliable well known suppliers.

The optional emulsion spray system with hose dispenser makes cleaning quick and convenient on site.

FEATURES & BENEFITS

EcoMode

A step less Eco-mode system allows you to set the engine speed to the optimal to suit the jobsite

Conventional control

The conventional electrics with toggle switches is self-explanatory and easy to learn and maintain.

Smooth material flow

High capacity hopper of 10t (4.7m²) and 2 independent conveyor bars with reliable paddle switches provides up to 350t/h capacity.

Precise steering device

Exact steering with the Ackermann steering device. This accurate steering ensures smooth turning and exact application.

Push rollers

Pivotable push rollers that automatically come up when the hopper is closed.

Stable undercarriage

The wide wheel base of 1.6 m and the front pendulum axle give excellent stability & traction.





Integrated working lights

Atlas Copco offers all lighting systems for night work: Halogen, LED working lights as well as auger compartment lights and LED lights with magnetic holders for flexible lighting.

Ergonomic workplace

Excellent view to the hopper and all working areas with fully adjustable seats and sliding operator console. The seats also slide out over the platform edge by 250 mm.

Dynapac Screed

Choice of 4 screeds: Vibration and Tamper/Vibration as well as gas and electric heating with fast heat up time. Independently monitored heating segments ensure outstanding surface structure.

Traction force

Wide rear wheels with great power transmission with increased grip and optimized contact area. F1700WS version features front wheel drive with Anti Spin Control.

Strong Auger

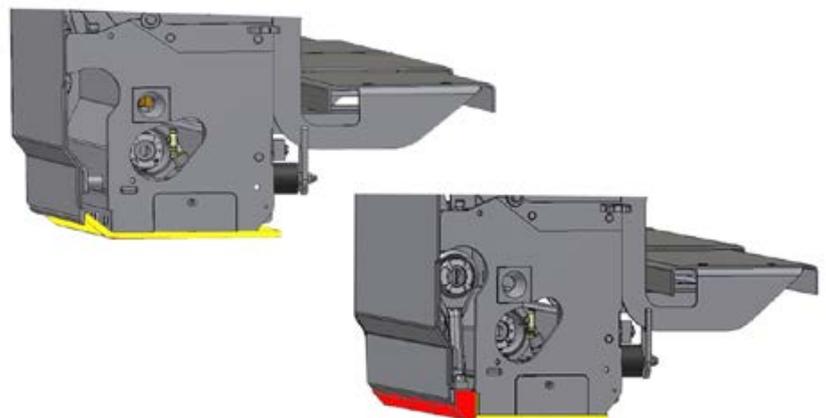
Our strong auger of 350 mm diameter is independently driven left and right and the auger halves are reversible. Controlled by ultrasonic sensors and height adjustable by 200mm.

HIGH QUALITY SCREEDS



LARGE SCREED VARIETY

For the Dynapac wheeled city paver there is a choice of 4 different screeds, the gas heated V340 vibration and tamping vibration for low operating cost or the electrically heated Dynapac V340V and V340TVE screed. Our new optimized electrical heating system has significantly reduced heat-up time. Whoever opts for our gas heating system gets a remarkably shorter heat-up time. Amazing pavement quality from the first stretch of track!





PRECISION

All screeds are easy to operate and equipped with deep bottom plates. These ensure an outstanding surface finish and precise paving results. The tamper and vibration can be easily adjusted via valves. And with the optional revolution control the speed of tamper and vibration can be simply monitored by a display. Positive and negative crown profiling is mechanically adjustable from -1,5 % up to +3,0 %. All screed functions like extension /retraction, screed levelling, auger turning direction etc. can be adjusted from the remotes.



FLEXIBILITY

Like with every Dynapac screed the working width can be doubled hydraulically. This makes it possible to pave up to 3.4m without using extensions. The optional levelling equipment is a convenient add-on solution; this makes paving flexible and simple. Both side shields – for electrical and gas heated screed can be ordered as a heated version, for a perfect joint. If it is necessary to pave below 1.7m, reduction shoes are available to reduce the working width down to 0.7m.



Excellent surface quality!

	V340V	V340VE	V340TV	V340TVE
Basic width	1.70 m	1.70 m	1.70 m	1.70 m
Hydraulically extendable to	3.40 m	3.40 m	3.40 m	3.40 m
Max. working width	4.10 m	4.10 m	4.10 m	4.10 m
Min. Working width	0.70 m	0.70 m	0.70 m	0.70 m
Heating system	LPG	Electric	LPG	Electric
Compaction system	Vibration	Vibration	Tamper&Vibration	Tamper&Vibration
F1700W	YES	YES	NO	NO
F1700WS	YES	YES	YES	YES

TECHNICAL DATA DYNAPAC CITY WHEELED PAVERS

	F1700W	F1700WS
Weight, t	8,6	8,7
Basic width, m	1,7	1,7
Working width max, m	4,1	4,1
Working width hydraulic extendable, m	3,4	3,4
Working width min (w/reduction shoe), m	0,70	0,70
Placement thickness (max), mm	Up to 270	Up to 270
Capacity, t/h	350	350
Paving speed, m/min	32	32
Transport speed, km/h	18	18
Engine model	Deutz TD 2011 L04	Deutz TD2 2011 L04
Rated power KW @ 2200 rpm	52 (71 hp)	52 (71 hp)
Emissions	EU 3A (Tier 3)	EU 3A (Tier 3)
Electrical system, V	24	24
Fuel tank capacity, l	70	70
Hopper capacity	4,7 m ³ (10,1t)	4,7 m ³ (10,1t)
Hopper width, mm	2900	2900
Dumping height center, mm	600	600
Tyre size	385/65-R22,5	385/65-R22,5
Front wheels	4 x 460/250	4 x 460/250
Wheel drive	2 rear wheel	2 front and 2 rear wheel
Final drive		2 speed hydrostatic drive
Front ramp angle °	17,5	17,5
Conveyor type	Dual bar feeder	Dual bar feeder
Conveyor width, mm	2 x 350	2 x 350
Conveyor control		Automatic with limit switches
Auger diameter, mm	350	350
Auger control		Automatic with ultrasonic sensors
SCREED OPTIONS		
Vibration V340V	YES	YES
Vibration screed V340VE	YES	YES
Tamper-Vibration screed V340TV	NO	YES
Tamper-Vibration screed V340TVE	NO	YES

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.

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