

HIGHWAY CLASS DYNAPAC PAVERS



Dynapac F1000T, F1000W

Atlas Copco



DYNAPAC F1000T AND F1000W

INTRODUCING THE F1000T, F1000W: The Dynapac F1000T tracked and F1000W wheeled pavers are our second generation North American highway class pavers. With their state-of-the-art design and unique features that focus on North American paving principles, these pavers yet again represent Dynapac as a pioneer in paving products.

HIGHWAY CLASS

PRODUCTIVITY BY DESIGN: With dynamic jobsite conditions and ever-evolving offerings in pavement materials, the Dynapac F1000 series prevents further paving complications by being simple, reliable and robust. Productivity increases as operators can focus solely on the main objective: paving. F1000 series paver operators also benefit from dual swing-out, fully functional control stations; the lowest deck height; and unmatched superior visibility all around in the quietest operating environment.

PAVING THE BEST WAY: Dynapac F1000 series pavers ensure superior mat appearance, density and smoothness from a well-balanced tractor and proven screeds.

Our innovative outboard auger drive system further enhances mat quality behind the paver by eliminating centerline segregation. The F1000 paver's precise traction system keeps the paver straight ahead. An infinitely variable feed control system provides smooth flow of material. And the hydraulically driven generator system provides constant heating for the screed. Together these systems consistently deliver a superior quality mat that exceeds your paving demands in all conditions.

BUILT-IN EXCESS CAPACITY: F1000 paver systems are built to meet increased capacity demand of multilane highway paving projects. Their high performance systems are powered by 230hp Cummins Interim Tier 4 Engine/225 hp Cummins Final Tier 4 engine, enabling them to push fully loaded trucks in extreme slope situations. Their material feed system can deliver up to 1500 Tons an hour.

A 34 kW generator system can heat the full width of the screed, with additional capacity for night lighting and end-gate heating needs. The hopper can handle 15 tons of asphalt by itself and up to 20 tons of asphalt with hopper inserts. The proven screeds of the F1000 series are capable of paving up to 30 feet wide and 12 inches thick.

UPTIME: The most critical feature to contractors is uptime. With off-the-shelf hydraulic and electrical components, simple operator controls, customer-focused application and service experts, F1000 pavers are built to keep you on the road all day, every day.

NEW LEVEL OF SERVICE: F1000 Pavers are built to reduce frequency of service and maintenance. Parts availability and service intervals have been increased for its Tier 4 engine. Multifunction display-based calibration and diagnostic features eliminate the need for a laptop at the jobsite. Remote lubrication points, illuminated DIN connectors and relays, individually numbered wires and hoses, and the use of readily available, off-the-shelf components further enhance serviceability.





PAVERS



POWERED BY SIMPLICITY



Powerful Drive System

F1000 series drive components ensure efficient power transfer and increase longevity through the following features:

- Cummins QSB 6.7 engine developing 230 hp @1800 rpm Interim T4/225 hp @2000 rpm Final T4
- High performance cross-flow cooler to meet high altitude and high ambient temperature demands
- Temperature-dependent, hydraulically driven cooler fan that significantly reduces sound levels
- Generously oversized hydraulic system components put less stress on the hydraulic components, which increases life of the hydraulic system



Rugged Tracks Ensure Precise Traction

F1000T tracked paver offers tractive effort needed to push fully loaded paver and truck in extreme slope conditions.

- Precise, smooth traction uses dual path and return to center steering wheel technology, a speed setting dial, and a single forward reverse lever
- Steering trim dial for extended long turning reduces operator fatigue
- 18 in wide, smooth or threaded, rubber track band
- Automatic band tensioning system utilizes hydraulic power and ram style cylinder
- Oscillating bogie system for greater load support and flexibility to drive on uneven surfaces
- Innovative use of fiberglass bushing eliminates frequent maintenance associated with bearings



Agile Wheels Offer Great Maneuverability

F1000W offers great maneuverability to pave tighter applications.

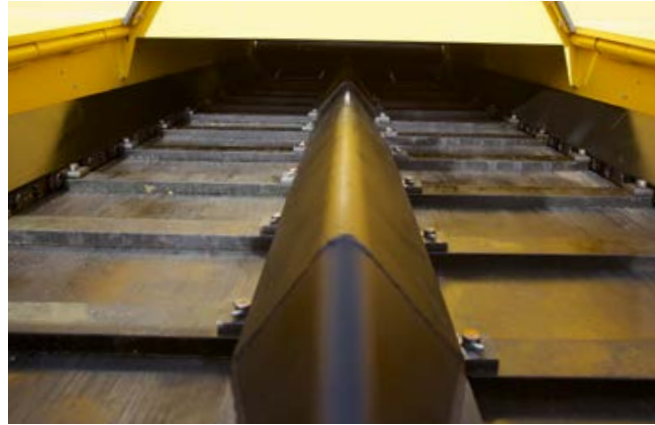
- 5 ft turning radius utilizing rear wheel assisted steering with front hydraulically assisted steering
- Precise steering and traction uses single forward reverse lever, speed setting dial and dual path technology
- Standard offering of two power-assisted front wheels to meet tractive effort demand in highcapacity paving
- High flotation-style sand ribbed rear tires and solid rubber bonded wheels in the front.

SMOOTH WORK FLOW

Smooth Material Feed System

Dynapac F1000 pavers ensure constant head of material and smooth flow needed to produce flawless mat.

- Dynapac exclusive material feed system utilizing 4 ultrasonic sensors, pile height knobs controlled by Plus 1 technology
- Unique operator-friendly features—clean mode, potentiometer feed control
- 16-inch diameter flight outboard auger system with 27-inch wide dual slat conveyors
- Increased longevity and rugged construction with thicker hopper wall, Hardox conveyor floor pans and chain guards, heavy duty drag chains and bars and wear resistant alloy steel auger flights



Simplified Smart Controls

F1000 pavers simplified operator consoles allow operators to focus on paving. Standard off-the-shelf electrical/electronic components mean greater parts availability.

- Ergonomically designed, rugged steel construction of dual operator consoles for increased operator efficiency
- Functionally grouped smart switch layout and simple toggle switches allow gloved hands to operate easily
- Multifunction display on both consoles for monitoring vital parameters of paver
- Unique smart control of generator system to maintain 60 Hz frequency regardless of engine speed or load
- Screed heating possibility when engine idling provides improved fuel efficiency



Fully Loaded

Dynapac F1000 pavers provides additional value to customers by offering a range of add on features part of the standard paver package.

- Roading lights and warning beacon
- Wash-down system with hose reel
- Front wheel assist system (wheeled paver only)
- Uptime kit



FEATURES & BENEFITS F1000T



High performance drive system
- Cummins engine
- Hydraulic components

High capacity cross flow cooler

Curved, heavy-duty hopper

Dual independent conveyor



Dual stack exhaust system/
Fume Extractor



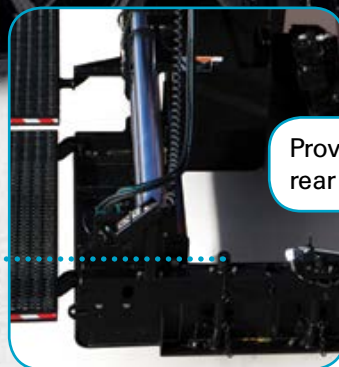
Dual swingout
operator station

Low profile deck



High performance
rubber track system

Innovative Out-
board or Thin-
nest chain box
auger



Proven Carlson
rear screed

FEATURES & BENEFITS F1000W



High performance drive system
- Cummins engine
- Hydraulic components

High capacity cross flow cooler


Curved heavy-duty hopper

Dual Independent Slat Conveyor

Less than 5ft Turning Radius with front steering system assisted by rear wheels

Oscillating heavy duty front axle corrects for uneven surfaces without affecting mat quality





Intelligent dual stack exhaust, fume extraction system

Dual Swing out fully loaded operator stations

Low profile deck

Innovative Outboard Drive or Thinnest chain box Center drive auger

Increased traction with standard 2 front wheel assist drive

High floatation sand rib tires with dual path independent drive

INNOVATIVE AUGER SOLUTIONS FOR VARYING APPLICATIONS

The job site conditions and performance requirements for 10ft pavers are constantly changing. These pavers required to be more versatile and should perform in multitude of applications including mainline paving, city, county roads and large parking lots.

With the introduction of two different auger systems, Dynapac F1000 pavers are very well positioned to tackle varying job site conditions and material compositions. Now the paving crew can choose either our thinnest center drive auger system or unique outboard drive auger system depending on the paving application. Thanks to the modular design approach, it is possible to switch from one type of Auger system to another on the same machine in less than 5 hrs.

Quick reacting Center Drive Auger System:

The Dynapac quick reacting auger drive is an improved centrally driven system with a thinnest chain box width and optimized outer bearings that allow homogeneity of mixture, despite high material throughput up to 1750 tons per hour. The thinnest chain box auger system features:

- Less than 6 in wide center chain box to tackle centerline material segregation
- Optimized outer bearings that allows homogeneity of mixture
- Largest 17in diameter auger flight running smoothly to reduce material agitation
- Standard theoretical production capacity up to 1350 tons/hr & optional high production theoretical capacity hydraulic motor's providing up to 1750 tons/hr
- Quick reaction in the event of change of pavement width
- Dynapac exclusive material management kit including reverse pitch auger flights, extruded nose material deflector and delta plate
- Additional cover for the end drive shaft to protect from wearing
- Optional 1ft, 2ft or 3ft auger extensions & wide width Kits
- Optional hydraulic auger tunnel extension assembly providing 22 in extension per side

Dynapac quick reacting auger drive





Innovative Outboard drive auger system

Ever-changing mix designs and oil content create challenging conditions that make it difficult to eliminate centerline segregation. Paving industry experts have attempted to address this issue with various techniques. Now with Dynapac's innovative outboard drive auger system, centerline segregation has met its match. This unique industry offering allows material to flow freely into the auger area without a need for a kickback auger or deflection plates and thus offering uniform mat texture across the width of the pavement. The end result is a smooth, homogenous, flawless asphalt mat. Dynapac outboard drive auger system features:

- Robust gear reduction outboard auger drive with no chains to adjust or maintain.
- 16 in diameter heavy duty auger flight & recessed bolts preventing quick wear even with abrasive materials
- Standard theoretical production capacity up to 1500 tons/hr.
- Unique telescopic tube mechanism to add auger extensions
- Optional 1ft, 2ft or 3ft Auger extensions & Wide width kits



PROVEN SCREEDS FOR FLEXIBILITY AND STRENGTH

Proven Screeds

F1000 pavers are offered with screeds that experienced crews have been familiar with for decades. F1000T and F1000W pavers utilize the Carlson EZ IV-1019 front extension screed or Carlson EZ R-1020 rear extension screed. Both screeds are electrically heated with the tractor-mounted 34 kW generator to their full working width. Maximum working width of EZ IV screed is 23 ft and EZR screed is 30 ft.

Flexibility

Front extension screed offers great flexibility in jobs of varying width by carrying less material in front of the screed and quickly reacting to the change. This makes the front extension screed an ideal choice whether paving city or county roads or commercial parking lot jobs.

Strength

With heavy-duty construction and larger weight, the rear extension screed offers excellent stability, as well as improved mat density and quality. This makes the rear extension screed well-suited to mainline highway, interstate and airport jobs.

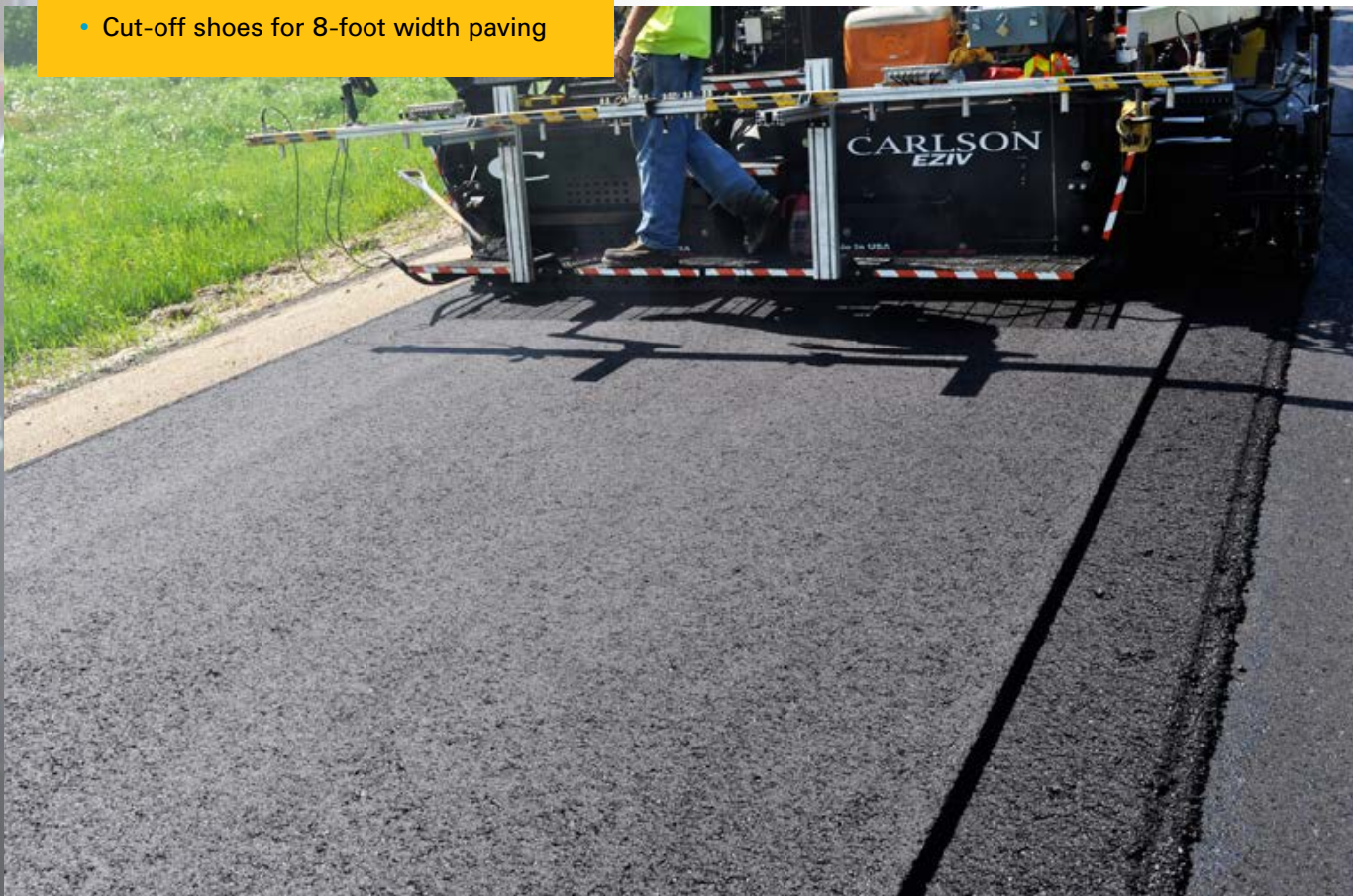
Model	Carlson EZIV
Basic Paving Width	10 ft
Max Paving Width	23 ft
Screed Weight	7000 lbs
Extension Slope Down	0-9%
Power Crown	2.5 in Positive / 1.5 in Invert
Heating	240 V Electrical Heating
Power Outlets	120V/240V Outlets
Main Screed Plate	Standard 0.50 in Thick Hardox 450
Controls & features	Left and Right Main Control Box and 2 Remote Control Box
	Electical Oven for Meal Preperation, Cup Holders

Model	Carlson EZR-2
Basic Paving Width	10 ft
Max Paving Width	30 ft
Screed Weight	8275 lbs
Extension Slope Down	0-12%
Power Crown	3 in Positive / 1 in Invert
Heating	240 V Electrical Heating
Power Outlets	120V/240V Outlets
Main Screed Plate	Standard 0.50 in Thick Hardox 450
Controls & features	Left and Right Main Control Box and 2 Remote Control Box
	Electical Oven for Meal Preperation, Cup Holders



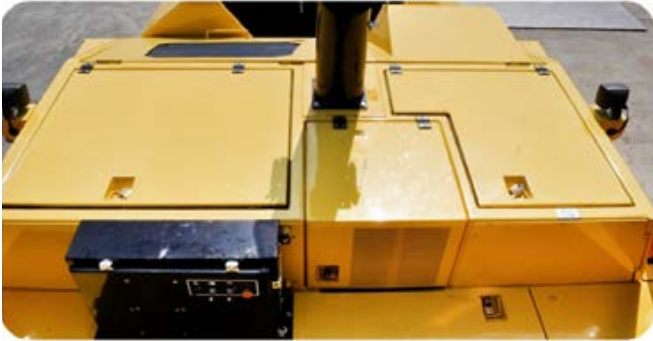
OPTIONAL FEATURES

- Quick changing bolt-on extensions
- Heated end gates
- Berm and variety of edge finishers
- LH and RH angle of attack screws
- Cut-off shoes for 8-foot width paving



SERVICEABILITY

Access



Access doors

- Easy access to all components
- Robust steel doors with gas springs
- Whole top hood can be removed for major overhauls

Layout Packaging

- Horizontal packaging concept helps to dis assemble major components independent of others.

Components



- No Daily lubrication on Tracks
- Track gearbox & motor can be removed while track components attached to the paver
- Simple Conveyor Chain tensioning system
- Fuel from Ground level (Both sides)
- Greasing from Centralized locations
- DPF can be easily removed for Service

Hydraulic System



- One piece hydraulic valve manifolds
- Cartridge valves with manual override
- Pressurized hydraulic filtration system
- High pressure filter for auxiliary functions
- Hand pump to disengage drive system
- Component's placed at central locations
Easy to Identify, troubleshoot & Service

Electrical System



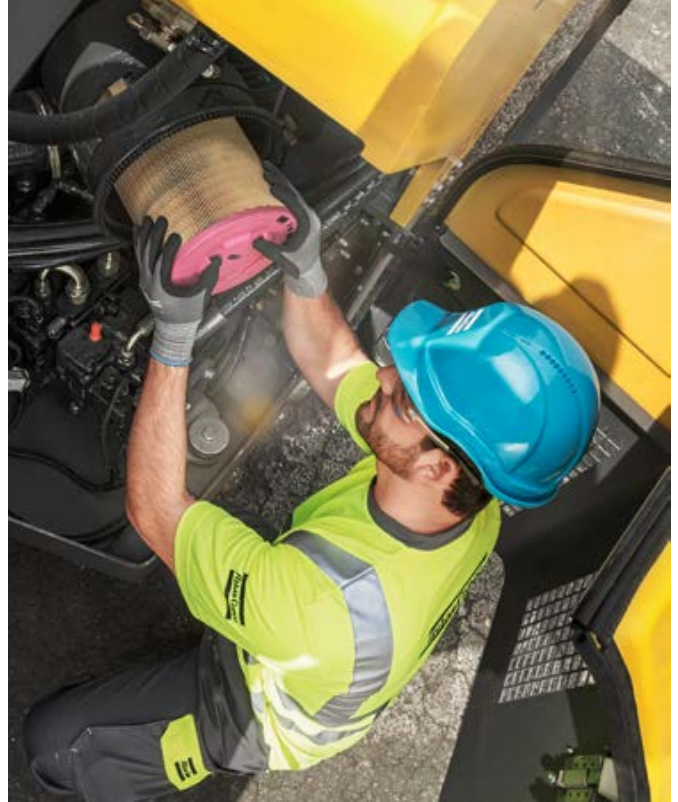
- Multi function display - system calibration
- No need of laptop in Jobsite
- Fault codes & warning messages on the display improves diagnostic capability
- Off the shelf standard electrical components
- Solenoid coils with LED power indicator
- Multicolor & numbered wiring system
- Relays with LED power indicator, latching indicator, and mechanical override
- Component's placed at central locations
Easy to Identify, Service & troubleshoot

SERVICE COMMITTED TO YOUR FUTURE

TRAINING

Atlas Copco Road Construction Equipment division puts a lot of focus on development of local competence within our customer centers and dealers. With many years of experience at our production facilities in handling Road Construction Equipment we have developed training packages that allows our service technicians as well as our customers to develop competence in both equipment application and maintenance. Please check our website for suitable training program or ask our local representative.

[Find a suitable training at dynapac.com / training](http://dynapac.com/training)



EXTENDED WARRANTY & SERVICE AGREEMENTS

We have developed service agreements based on customer feedback, application know-how, field support knowledge, and product development experience. You can select a service agreement that meets your needs and budget, allowing you to get the most out of your equipment investment.

UPGRADE KITS

Our upgrade kits are an economical solution that ensures your equipment is up to date with the latest Atlas Copco technology. Upgrades are based on proven technological solutions, readily available and easily installed. They will maximize your equipment's productivity and market value, as well as optimize your equipment's efficiency, to increase your profits.



ALL-IN-ONE BOX KITS

An all-in-one box, tailored to match your equipment. The parts you need, when you need them! An all-in-one box contains all the parts required as part of the equipment's scheduled maintenance program. When installed by an Atlas Copco certified technician, you keep your downtime to a minimum and your equipment in top condition its entire life.

Easy to obtain and attractively priced, the most effective solution to keep your maintenance budget low.

[Find a suitable kit at dynapac.com / kitselector](http://dynapac.com/kitselector)

FLUIDS

- The right fluid optimizes machine performance
- Simplified selection process, less time spent on finding the right oil
- Delivery in a handy container, no need for transfer from an oil drum
- All-in-one delivery, less time spent on waiting and dealing with different suppliers
- One invoice, less administration

[Find a suitable fluid at dynapac.com / fluidselector](http://dynapac.com/fluidselector)

GO MOBILE

Construction App

Find all the information about Atlas Copco Construction Technique's products and services.

Parts Online

User-friendly platform to find the spare parts and catalogues for construction equipment.

Shop Online

Handle your orders 24 hours a day. Fast, easy and safe.



GET TO KNOW YOUR F1000 PAVERS

MODEL	F1000T	F1000W
CAPACITY		
Transport width	10 ft	10 ft
Transport length	21 ft	21 ft 4 in
Transport height	106 in	106 in
Deck height	63 in	63 in
Max. working width	26 ft	26 ft
Weight (Tractor Only)	35,000 lbs	33,400 lbs
Weight with front extension screed	42,000 lbs	40,400 lbs
Weight with rear extension screed	43,000 lbs	41,400 lbs
Theoretical placement capacity	1500 t/h	1500 t/h
Practical placement capacity	900 t/h	900 t/h
Placement thickness (max)	12 in	12 in
TRACK UNDERCARRIAGE		
Track Length and Width	120 x 18 in	
Paving speed 1	0-105 ft/min	
Paving speed 2	0-240 ft/min	
Transport speed	0-10 mph	
Rubber band type	Smooth/Chevron Thread	
WHEEL UNDERCARRIAGE		
Rear Wheel		2 x 18R25 , Sand RibTires
Front Wheel		4 x 16 x 22 in
Paving speed 1		0-128 ft/min
Paving speed 2		0-285 ft/min
Transport speed		0-12 mph
Turning Radius Inside		5 ft
ENGINE		
Model	Cummins QSB 6.7	
Rated Power & Emission	220 hp @ 2000 rpm Tier 4 Interim / 225 hp @ 2000 rpm Tier 4 Final	
Electrical System	24V	
Fuel Tank Capacity	98 Gal	
MATERIAL FEED SYSTEM		
Hopper Capacity	235 cu.ft / 15 Tons	
Hopper width and length	127 x 78 in	
Conveyor type	Dual Independent Slat system	
Conveyor width	2 X 27 in	
Auger type	Outboard Drive / Center drive, Independent System	
Auger diameter	16 in / 17 in	
OPERATOR CONSOLE		
Type	Ergonomic Dual Swing Out fully functional Consoles	
Features	Simplified smart switches, Multifunction display	
Generator		
Drive and location	Hydraulic drive, Tractor Mounted	
Capacity	34 kW, 1 Ph 240 V	
Aux power panel	4, 120 V and 2, 240 V outlets	
OPTIONAL EQUIPMENT'S		
Leveling Systems	Topcon Sys V and Sonic averaging Kit	
Extensions	Auger Extension (1ft , 2ft and 3 ft) Bolt on Tunnel extensions Hydraulic Tunnel extension Wide width paving Kit	

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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