SD1800W e

City Paver



DYNAPAC
FAYAT GROUP

TECHNICAL DATA



Options

	Standard	Option
Electric Powertrain 55 kW (Peak Power 200 kW)	✓	
High Performance Charging 80 kW	✓	
Dynapac Bypass Charging (Heat & Charge)	✓	
Pave Manager 2	✓	
Dynalink Advanced Telematics	✓	
Leveling Mobamatic 2 + 1	✓	
Hydraulic Crowning		✓
Distance Dependent Slope & Crowning		✓
SafeImpact Truck Damping System		✓
SetAssist		✓
Truck Assist Advanced		✓
Turning on Spot VectorMode		✓
Fume Suction		✓
MatManager Jobsite Documentation		✓
Hydraulic Side Shields		✓
Sun Umbrellas for Side Shield		✓

Engineered for Excellence

- Zero Emissions for City Environments
- Up to 6 Hours Runtime with 98 kWh Battery
- Smooth Operation with PaveManager 2
- Low Noise, Maximum Comfort
- Smart Charging – AC & DC Fast Charging
- Dynapac Bypass – Heat & Charge
- Compact Design for Tight City Jobsites

We reserve the right to change specifications without notice. Photos and illustrations do not always show standard versions of machines.The above information is a general description only. All information are supplied without liability. This document was generated in March 2025.

Technical Data

Push Roller System

Standard	Fixed, pivotable
Option	Hydraulic damping, stepless adjustable with automatic function

Hopper

Hopper volume	5.3 m³ / 10.5 t
Internal hopper width	3040 mm
Dumping height	520 mm

Conveyor

Conveyor type dual	Conveyor, reversible
Conveyor control	Proportional with paddle sensor
Conveyor width	700 mm

Electrical System

Battery type	Lithium-Ion (NMC)
Nominal battery voltage	700 V
Battery capacity (gross)	98 kWh
Motor type	Permanent Magnet Synchronous Motor (PMSM)
Motor power	55 kW @ 3000 rpm
Peak power	200 kW
Auxiliary battery voltage	24 V

Drive

Undercarriage type	Wheel
Drive type	Independent hydrostatic driven rear wheels and two independent hydrostatic driven front wheels
Tire size rear	385/65-R22,5
Tire size front	492/260-378
Turning radius (inside/outside)	2.51 m / 4.31m
Max. paving speed	25 m/min
Max. transport speed	15 km/h

Auger

Auger type	Center drive, reversible
Auger diameters	320 mm
Auger control	Independent proportional with sonic sensors
Adjustable height	200 mm
Auger wing type	Separately replaceable

Working Width

Minimum working width (with reducing shoe)	0.70 m
Maximum working width (incl. extension boxes)	4.70 m
Working width (hydraulic extendable)	3.50 m

Dimensions

Basic width	1.90 m
Transport length	4.99 m
Front ramp angle	15°
Rear ramp angle	13°

Masses

Weight (incl. standard screed)	10.30 t

Capacity

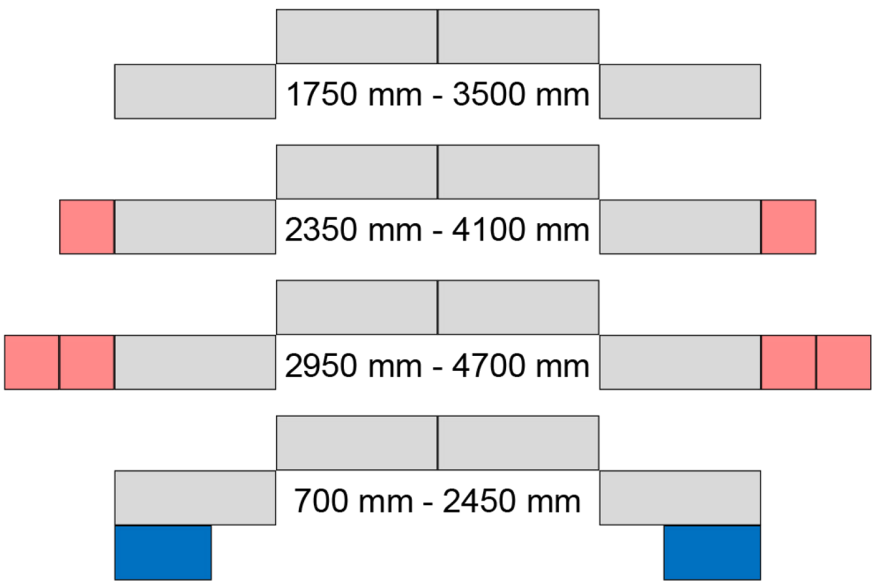
Paving thickness (min/max)	-120 mm / 200 mm
Theoretical paving capacity	350 t/h

Charging

5 – 80 % @ 80 kW (DC)	~ 40 min
5 – 80 % @ 400 V, 22 kW (AC, Type II)	~ 3 h

Screeds

V3500 TV E



875 mm V3500 section

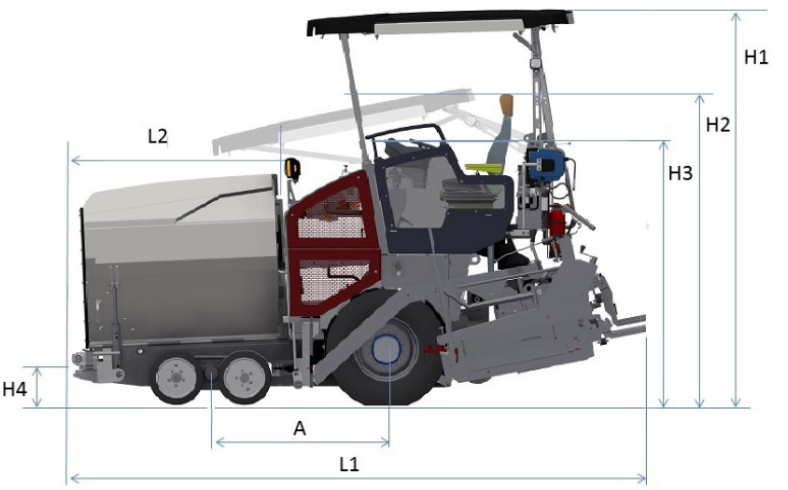
300 mm extension boxes

525 mm cut-off shoes

Dimensions

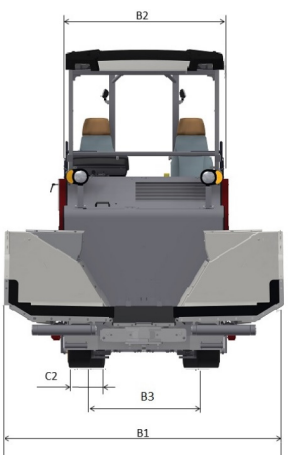
SIDE VIEW

A	1.60 m	Wheelbase
H1	3.60 m	Max. Height
H2	2.92 m	Transport Height
H3	2.40 m	Height
H4	0.50 m	Dumping Height
L1	4.99 m	Length
L2	1.99 m	Hopper Length



FRONT VIEW

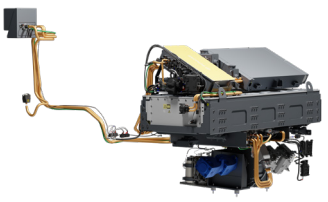
B1	3.15 m	Max. Width
B2	1.91 m	Standard Width
B3	1.45 m	Wheel Track Width
C2	0.39 m	Wheel Width



Highlights

Worlds First Electric Paver

On Bauma 2022 Dynapac already presented the worlds first electric paver. Here we followed the concept same same but different – all paving functions as you know them, but with more (electric) power.
The Battery has a **capacity of 98 kWh to power** the electric engine with **55 kW (peak 200 kW)** for up to **6 hours**.



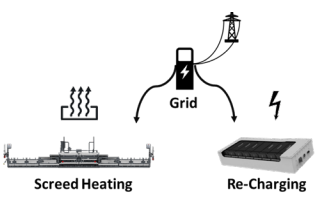
Minimal Emissions

Emission-Free operation with the Dynapac Electric Paver enables sustainable construction and supports the transition to a **Decarbonized Future**.
The concept **Reduces Noise by up to 20%** compared to a diesel engine. In idle mode, the Start/Stop function eliminates noise emissions entirely.



Maximum Uptime

The paver is designed to operate for up to **6 Hours** on-site (avg. energy demand SD2500C, V5100).
To maximize utilization, the **Dynapac Bypass Function** allows simultaneous charging and screed heating.
The paver features a **Sophisticated Start/Stop Function**, reducing noise and energy consumption for **Optimized Efficiency**.





Pave Manager 2

Control your machine at your fingertips with our **Pave Manager 2 Software** for a seamless machine operation. This Software operates all paving functions including the a**sphalt processing, engine operation** and **all assistance functions**. This includes base functions like **conveyor and auger speed**, but also intelligent functions like **TruckAssist, SetAssist** and **Distance Dependent Slope & Crowning**.



Stable Screed

The Dynapac V3500 Screed combines proven stability with a **Robust 2-Tube Design**, ensuring reliable performance even under challenging site conditions. With **working widths of up to 4.70 m**, it provides an optimal flexibility for urban applications and smaller-scale projects. Despite its compact size, the V3500 delivers **Premium Paving Quality** on par with Dynapac's Highway Class Pavers, supported by **integrated tamper and vibration systems**.

Questions?
We’re Happy to Help

Find your closest dealer at dynapac.com

