



Technical specification

Slipform Paver SP 850



Slipform Paver SP 850		
Vibrators and circuits	Electric vibration	24 connections
	Electrically driven vibrators	Curved
Engine	Engine manufacturer	Cummins
	Type	QSC-8.3 C-300
	Cooling	Water
	Number of cylinders	6
	Rated power at 2,100 min ⁻¹	224 kW / 300 HP / 305 PS
	Displacement	8,300 cm ³
	Fuel consumption, full load	61 l/h
	Fuel consumption, field mix	27.5 l/h
	Emission standards	EC Stage 3a / US EPA Tier 3
Electrical system	Supply voltage	24 V DC
	Electric vibration	110V AC 3~ / 200 Hz
Tank capacities	Fuel tank	420 l
	Hydraulic oil tank	305 l
	Water tank	1,000 l
Driving properties	Paving speed	0 to 6 m/min
	Travel speed	0 to 23.5 m/min
Crawler tracks	Number	4
	Type B2: dimensions (L x W x H)	1,840 x 300 x 660 mm
Height adjustment	Hydraulic	1,000 mm
Scope of applications	Slab paving application	Paving width: 2.50 to 10.00 m *1
		Paving thickness: up to 450 mm *1
Concrete spreading	Spreading auger	Modular extension to up to 10.00 m
	Spreading plough	Modular extension to up to 10.00 m

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Slab paving equipment	Slab paving mold	Modular extension to up to 10.00 m
	Finishing beam	Modular extension to up to 10.00 m
	Super smoother	Modular extension to up to 10.00 m
	Dowel bar inserter	Modular extension to up to 9.00 m Diameter of dowel bars: 20 to 40 mm ^{*2} Dowel bar length: 450 to 600 mm ^{*2}
	Central tie bar inserter	Diameter of tie bars: 20 to 40 mm ^{*3} Tie bar length: 400 to 1,200 mm ^{*3}
	Side tie bar inserter	Diameter of tie bars: 20 to 40 mm ^{*3} Tie bar length: 400 to 800 mm ^{*3}
Central crown		Gradient of up to 3 %
Transport dimensions (L x W x H)	Machine with slab paving mold, with spreading plough, min.	8,100 mm x 2,500 mm x 3,100 mm
	Machine with slab paving mold, with spreading plough, max.	15,600 mm x 2,500 mm x 3,100 mm
Machine weights ^{*4}	Operating weight CE (with concrete spreading equipment, with mold, with finishing beam and super smoother, without dowel bar inserter), 9.00 m	46,000 kg
	Operating weight CE (with concrete spreading equipment, with mold, with finishing beam and super smoother, with dowel bar inserter and tie bar inserter), 9.00 m	56,500 kg
	Operating weight CE (with concrete spreading equipment, with mold, with finishing beam and super smoother, without dowel bar inserter), 10.00 m	46,500 kg
	Operating weight CE (with concrete spreading equipment, with mold, with finishing beam and super smoother and tie bar inserter), 10.00 m	48,000 kg

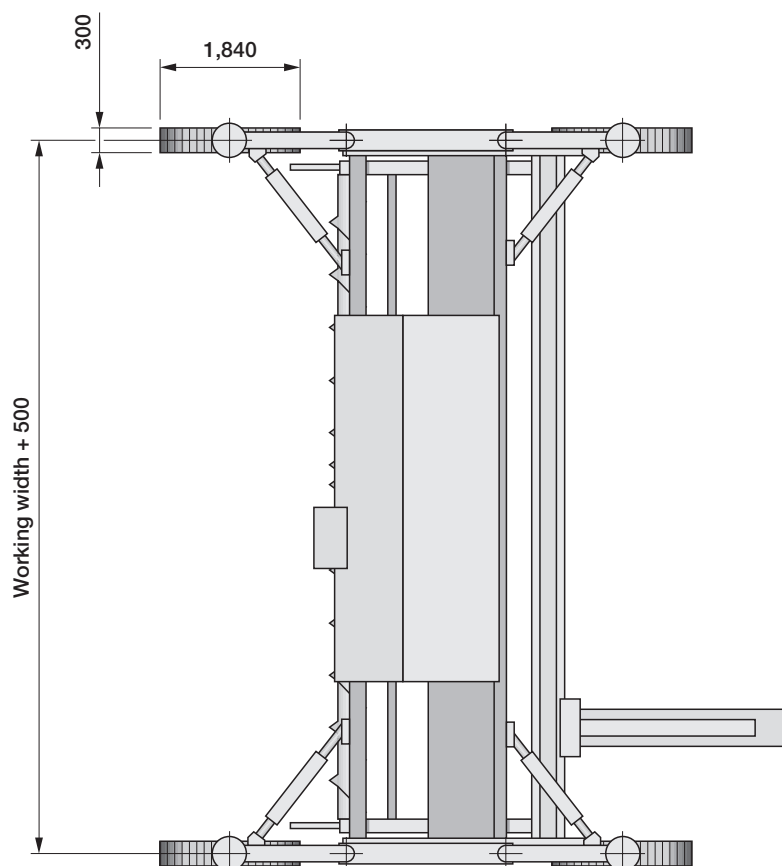
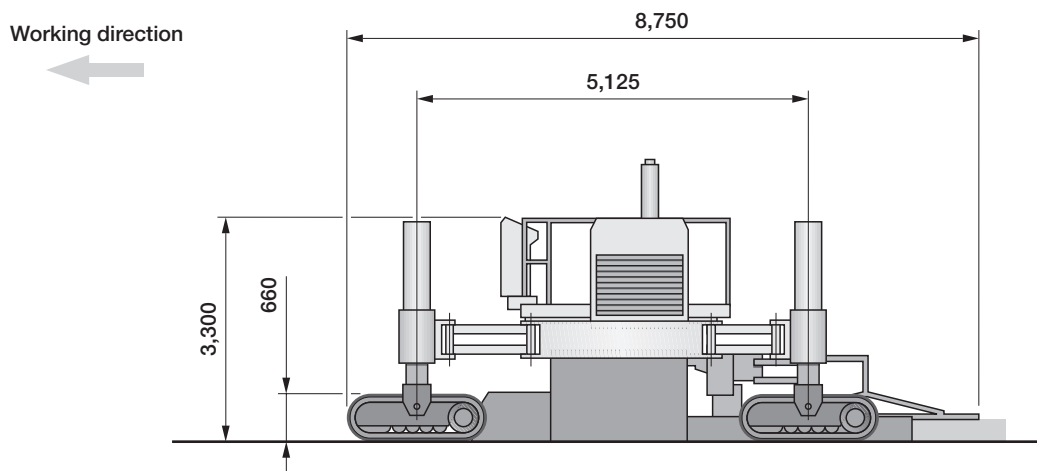
^{*1} = Please consult factory for special paving widths, paving thicknesses and options

^{*2} = Applicable for the range of dowel bar dimensions specified. For any other dimensions, please consult factory. The dowel bar inserters will be customized in accordance with pre-selected customer requirements

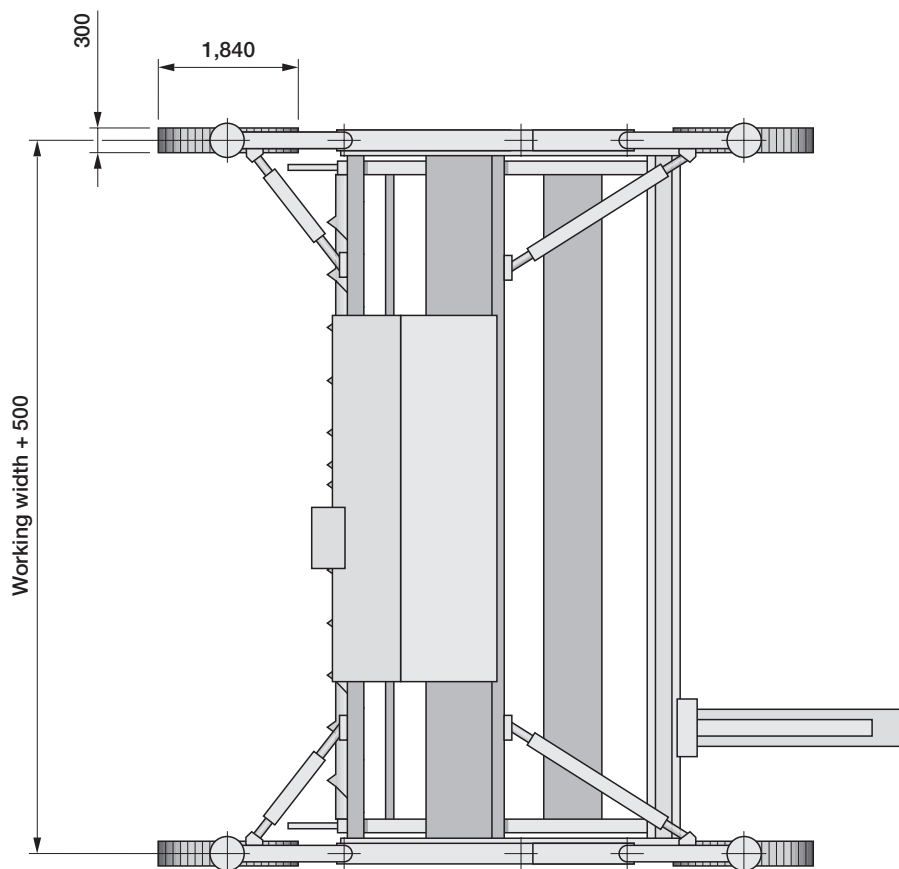
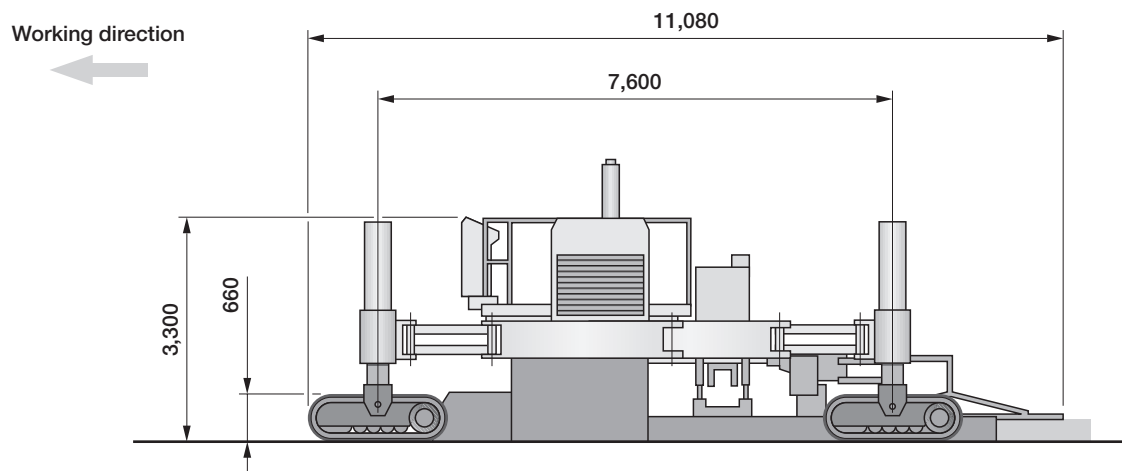
^{*3} = Applicable for the range of tie bar dimensions specified. For any other dimensions, please consult factory. The tie bar inserters will be customized in accordance with pre-selected customer requirements

^{*4} = Weights depend on the machine's range of equipment and working width

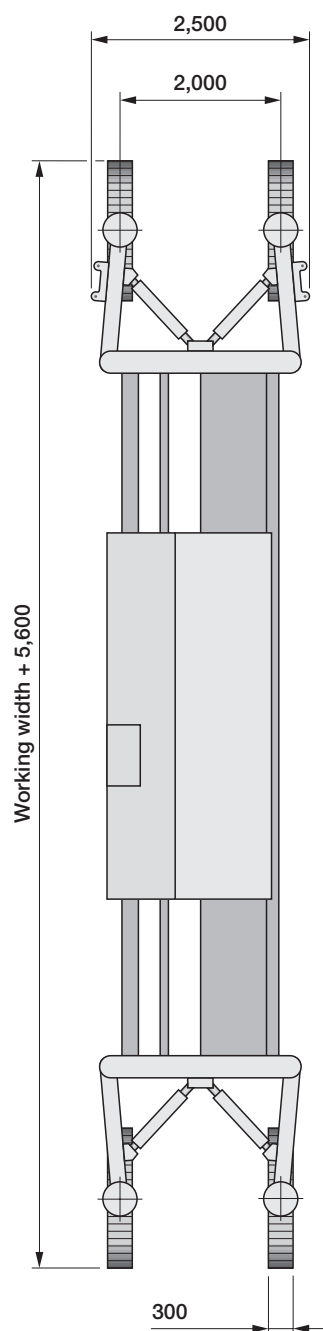
Slipform paver SP 850 equipped with spreading auger, slab paving mold, finishing beam and super smoother
Dimensions in mm



Slipform paver SP 850 equipped with spreading auger, slab paving mold, dowel bar inserter (DBI), finishing beam and super smoother
 Dimensions in mm



Slipform paver SP 850 in transport mode
Dimensions in mm



Equipment features of slipform paver SP 850

Standard equipment:

Machine frame

- Frame telescoping from 2.50 m to 5.00 m in width
- Hydraulic telescoping feature for main frame

Operator's platform

- User-friendly control panel with practical switches
- Digital LC display with rotary button/push button to display all major operating parameters and to key in job parameters
- Lockable control panel cover

Leveling

- Four level sensors
- Two steering sensors
- Automatic leveling system
- Sensors for steering control, adjustable in both height and range

Vibration

- 60-kVA high-frequency generator
- 6 electric vibrators, curved
- 24 connections

Chassis and height adjustment

- B2 track units with 300 mm wide track pads
- Level control with high-precision valve technology
- Adjustment to site conditions by means of pivoting legs
- Track units fitted with highly wear-resistant polyurethane track pads

Concrete paving equipment

- Spreading auger, working width 2.50 m
- Slab paving mold, working width 2.50 m
- Finishing beam, working width 2.50 m
- Super smoother, working width 2.50 m
- Trailing and deep paving mold for concrete slabs of 200 mm and 260 mm

Machine control

- Comfort feature for quick-starting all necessary paving functions following stand-by position
- A single PLC governs all machine functions
- Integrated engine controller for optimum engine control

Engine

- Anti-vibration engine support in rubber mounts
- Highly effective triple-circuit water cooler for engine, hydraulic oil and charge air

Miscellaneous

- Lighting package including 4 halogen spotlights (24 V)
- Comprehensive tool kit
- Loading and lashing lugs
- CE mark

Optional equipment:

Machine frame

- Main frame extension modules for working widths of up to 10.00 m
- Special painting

Operator's platform

- Canopy
- Ventilation of control cabinet

Leveling

- 3D kit to support 3D control systems
- 4 slab tracers for sensing along a reference surface
- Stakes and wire kit
- Tensioning winch

Vibration

- Electric vibrators, curved (max. 24)

Concrete paving equipment

- Spreading auger extension elements for working widths of up to 10.00 m
- Spreading plough, can be extended to working widths of up to 10.00 m
- Slab paving mold extension elements for working widths of up to 10.00 m, optionally including central crown
- Finishing beam extension elements for working widths of up to 10.00 m, optionally including central crown
- Super smoother extension elements for working widths of up to 10.00 m
- Dowel bar inserter (DBI), can be extended to working widths of up to 9.00 m, optionally including central crown
- Dowel bar dispenser car, hydraulically driven
- Hydraulically driven hoisting crane for dowel bar packages
- Longitudinal joint tie bar inserter(s)
- Side tie bar inserter(s) for straight or bent tie bars
- Various sideplate profiles

Miscellaneous

- High-pressure cleaning system including 1,100-l water tank
- Operation of slipform paver with biodegradable hydraulic oil
- Lighting package including 4 floodlights (110 V)
- Commissioning of machine on site



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