



Remote-Controlled

SPD-150 Padding Machine

Screening area	25 ft / 2.3 m ²
Operating weight	26,455 lbs / 12,000 kg
Engine type	Caterpillar C-4.4 ACERT
Horsepower	103 kW / 140 HP



SPD-150 PADDING MACHINE

ABOUT THE SPD-150

SUPERIOR's entry level padding machine is the perfect solution for small padding jobs. Thanks to its compact design, the SPD-150 can be operated by remote control or from the seat located on the side of the machine. This machine is ideal for very small pipe size jobs or job sites where accessibility is limited due to transportation or permit constrictions.

FEATURES

- Reversible/folding conveyor belt
- Remote controller
- Adjustable dowel
- CE compliant



GENERAL SPECIFICATIONS

ENGINE

Type	CATERPILLAR
Model	C-4.4 ACERT
Net flywheel power (DIN 6270)	140 HP - 103 kW
Governed speed	2,200 g/pm

HYDRAULIC SYSTEM

Main pumps:	Bosch-Rexroth - 2 independent variable pumps travel
Maximum capacity	2x135 lt/min - 2x35.6 U.S. gal/min
Maximum operating pressure	400 bar - 5,800 p.s.i.
1 Hydrostatic pump escalator	
Maximum capacity	77 lt/min - 20.5 U.S. gal/min
Maximum operating pressure	300 bar - 4,350 p.s.i.
Service pumps	1 tandem gear type
Maximum capacity	46 + 21 lt/min - 12.2 + 5.5 U.S. gal/min

TRANSMISSION

Type	Hydrostatic
Motors	(HYDROMATIC) two motors with axial pistons disappearing into the track frames
Brakes	Integrated negative control
Final drives	Epicycloidal oil soaked
Maximum speed	3.4 km/h - 2.2 miles/hr

CONTROLS

Type	Electronic remote control
Safety	Emergency shut-off

FLUID CAPACITIES

Fuel tank	300 liters - 80 U.S. gal
Hydraulic system circuit	400 liters - 106 U.S. gal

ESCALATOR

Type	Hydrostatic, operator controlled, variable speed
Vertical adjustment	Minus 8 inches to plus 2 ft
Chain Adjusters	Mechanical
Reversible screen mesh chain	

SCREEN

Interchangeable screen mesh	1/4" to 1-1/2"
Width	1,360 mm - 54 in
Maximum feed size	1,600 mm - 63 in

CONVEYOR BELT

Bilateral hydraulic extension slide	
Type	Rubber
Width	500 mm - 20 in
Length	4,750 mm - 16 ft
Variable speed	0 - 230 mt/min
Rotation capability	Reversible
Transmission	Hydraulic variable speed
Hydraulic motors	2 orbital type

ELECTRIC SYSTEM

Operating voltage	24 V
Maintenance free supplied batteries	2
Capacity (total)	120 Ah
Starter capacity	4 Kw
Alternator	30 A

PRODUCTION

Production rate will vary with certain conditions:	
Soil Condition, Pipe Size, Terrain, R.O.W.	
Indicative production, 10" pipe, normal soil	158 mt/h - 520 ft/hr



INSULATED ENGINE

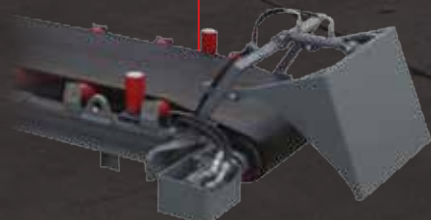
Engine compartment reduces noise to comply with EU noise limit requirements.



ADJUSTABLE ESCALATOR

It can be adjusted hydraulically to compensate for different terrain gradients.

SPD-150 FEATURES



ADJUSTABLE DOWEL (not shown)

Controlled hydraulically to adjust angle and distance at which the material is placed back into the ditch.



REVERSIBLE CONVEYOR

Conveyor can be used on either side of machine. It also can be folded into 3 parts for easy shipping w/o disassembly.



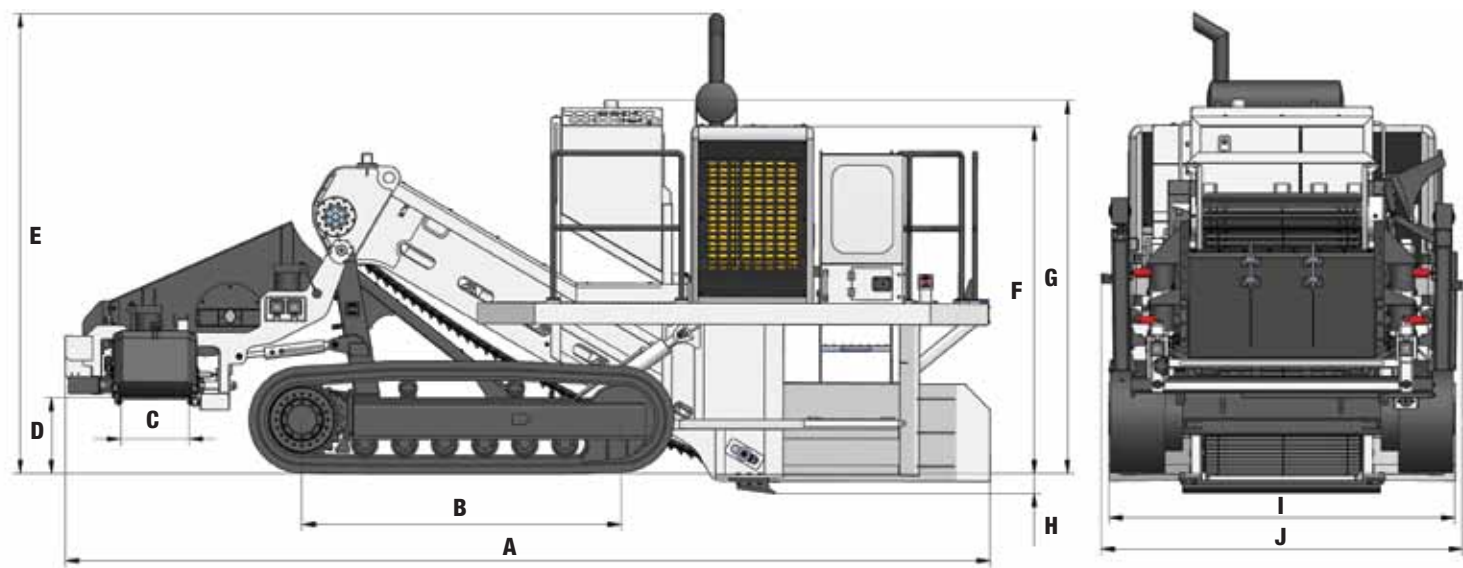
CONTROL PANEL (not shown)

Controls are duplicated on both sides of the cabin for ease of operation on either side of the ditch.



DIMENSIONS

Operating weight *with seat, railguard and ROPS-FOPS: 28,660 lbs / 13,000 kg*
 w/o seat, railguard and ROPS-FOPS: 26,455 lbs / 12,000 kg



	Feet	Meters
A Overall length	22.3 ft	6.81 m
B Length of tracks on the ground	7.7 ft	2.35 m
C Width of conveyor belt	1.6 ft	50 cm
D Conveyor ground clearance	1.8 ft	56.1 cm
E Overall height	11.1 ft	3.38 m
F Height to top of engine	8.4 ft	2.55 m
G Height for shipping	9 ft	2.75 m
H Blade ground penetration	5.7 in	14.5 cm
I Tractor width	8.4 ft	2.55 m
J Overall width (with folded conveyor)	8.7 ft	2.66 m

AVAILABLE MODELS



SBP-15
Screen volume: 1.15 m³ / 1.5 yd³



SBP-25
Screen volume: 1.9 m³ / 2.5 yd³



SPD-150
Screen Area: 2.3 m² / 25 ft²



SPD-160
Screen Area: 5.2 m² / 57 ft²



SPD-250
Screen Area: 2.78 m² / 30 ft²



SPD-350
Screen Area: 5.57 m² / 60 ft²



SPD-450
Screen Area: 8.4 m² / 90 ft²

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