



## SPD-150 PADDING MACHINE

Screening area	25 ft <sup>2</sup> / 2.3 m <sup>2</sup>
Operating weight	26,455 lbs / 12,000 kg
Horsepower	103 kW / 140 HP





SUPERIOR's entry level padding machine is the perfect solution for small padding jobs. This machine is ideal for small pipe size jobs or job sites where accessibility is limited due to transportation or permit constrictions.

The SPD-150 has been used in a variety of energy-related projects, from small pipeline jobs to wind and solar energy projects. It has proven very useful in the latter due to the grid-like pattern in which some of the cabling needs to be laid in.

The SPD-150 is operated by an easy-to-use remote controller. It makes handling a breeze and provides the operator with a perfect view of the ditch. An optional ROPS is also available when the operator needs to sit in the platform for transportation to and from the jobsite.



**REMOTE CONTROL**  
The machine is operated with an ergonomic remote control. Each movement is controlled by 10 levers. The controller features an emergency button and engine RPM regulations.



**ADJUSTABLE FRONT/REAR SECTIONS**  
Just like in the larger models, the escalator and screens section can be adjusted hydraulically to compensate for different terrain gradients.



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



**INSULATED ENGINE**  
Engine compartment reduces noise to comply with EU noise limit requirements.



**ROPS**  
A ROPS is available to protect the operator when travel on the machine is required.





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
Integrated negative control	Final
drives	Epicycloidal oil soaked
Maximum speed	3.4 km/h - 2.2 miles/hr

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

SCREEN

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

CONTROLS

Type	Electronic remote control
Safety	Emergency shut-off

CONVEYOR BELT

Bilateral hydraulic extension slide	
Type	Rubber
Width	500 mm - 20 in
Length	4,750 mm - 16 ft
	Sectional: 8ft, 12ft or 16ft
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

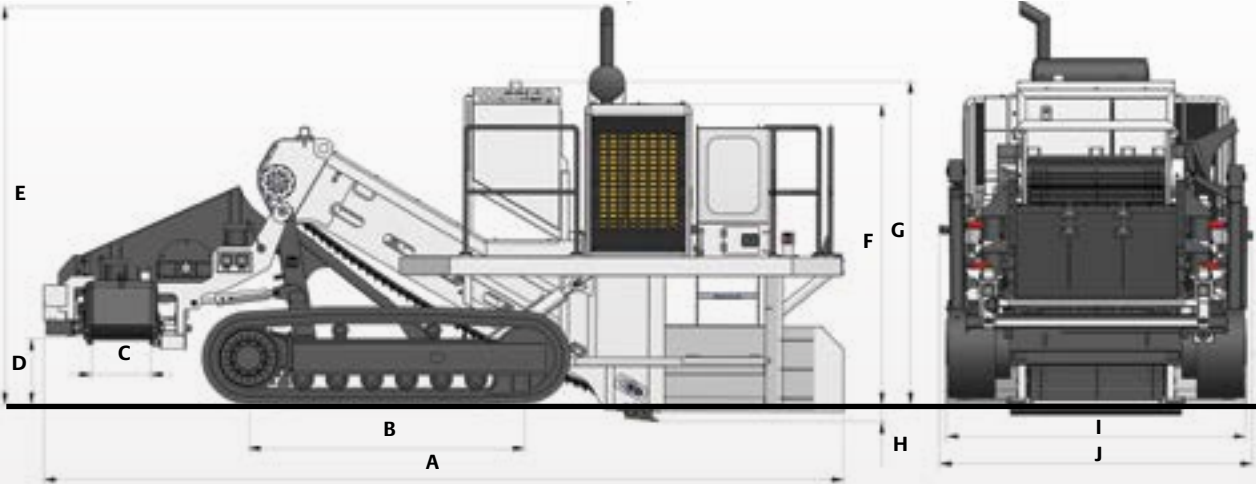
PRODUCTION

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





DIMENSIONS



	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
<b>Operating weight</b>		
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

AVAILABLE MODELS



SPD-150  
Screening area 2.3 m² / 25 ft²



SPD-160  
Screening area 5.2 m² / 57 ft²



SPD-250  
Screening area 2.78 m² / 30 ft²



SPD-350  
Screening area 5.57 m² / 60 ft²



SPD-450  
Screening area 8.4 m² / 90 ft²



SPB-15  
Screening volume 1.15 m³ / 1.5 yd³



SPB-25  
Screening volume 1.9 m³ / 2.5 yd³





Padding Machines



Pipelayers



Crawler Carriers



Pipeline Accessories



Pipe Benders



Hydraulic Kits



Pipe Facing Machines



Vacuum Lifts



Top-Loading Padders



Rock Dump Crawlers



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