



SPD-250 Padding Machine

Screening area	30 sq ft / 2.78 m ²
Operating weight	61,729 lbs / 28,000 kg
Engine type	Caterpillar C-7 ACERT
Horsepower	184 kW / 250 HP



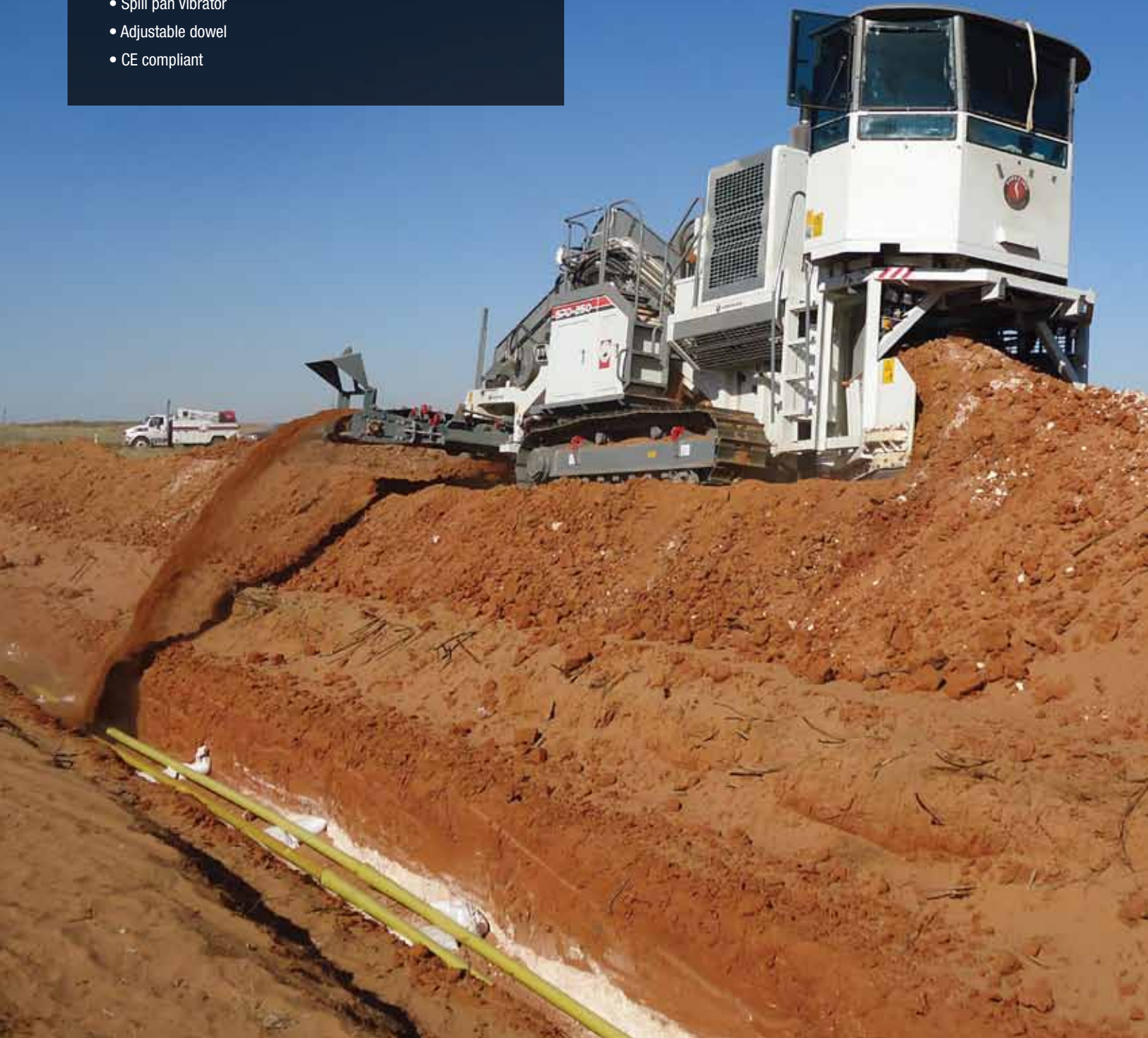
SPD-250 PADDING MACHINE

ABOUT THE SPD-250

The SPD-250 has all the features the SPD-350 has, but in a smaller frame. This machine is ideal for pipe sizes jobs from 4 to 16 inches or job sites where accessibility is limited due to transportation or permit constrictions.

FEATURES

- Reversible/folding conveyor belt
- Sliding cabin for better view
- Insulated cabin
- Spill pan vibrator
- Adjustable dowel
- CE compliant



GENERAL SPECIFICATIONS

ENGINE

Type	CATERPILLAR
Model	C-7 ACERT
Net flywheel power (DIN 6270)	250 HP - 184 kW
Governed speed	2,100 g/pm
Displacement	7.2 lt - 442 cu in

HYDRAULIC SYSTEM

Main pumps:	Bosch-Rexroth
	- 2 independent hydrostatic variable pumps travel
Maximum capacity	2x177 lt/min - 2x47 U.S. gal/min
Maximum operating pressure	420 bar - 6,090 p.s.i.
- 1 hydrostatic variable pump escalator	
Maximum capacity	110 lt/min - 29 U.S. gal/min
Maximum operating pressure	300 bar - 4,350 p.s.i.
- 1 hydrostatic variable pump load sensing service	
Maximum capacity	95 lt/min - 25 U.S. gal/min
Maximum operating pressure	250 bar - 3,625 p.s.i.

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	
- 1 speed	2.5 km/h - 1.6 miles/hr
- 2 speed	4.5 km/h - 2.8 miles/hr

TRACK FRAME

Swinging track frame with sealed and lubricated chain	
Satl track chain pitch	171.45 mm - 6.75 in
Lower track rollers	9 per side
Upper track rollers	2 per side
Length of track on the ground	3,450 mm - 136 in
Standard shoes width	550 mm - 22 in
Gauge	2,000 mm - 79 in
Track shoes	52 per side
Lower track roller area	37,950 cm²
Pressure on the ground	0.77 kg/cm²

CONTROLS

Type	Pilot operated
Safety	Emergency shut-off

FLUID CAPACITIES

Fuel tank	365 liters - 96 U.S. gal
Hydraulic system circuit	600 liters - 158 U.S. gal

ESCALATOR

Type	Hydrostatic, operator controlled, variable speed
Vertical adjustment	Minus 11 inches to plus 4 ft
Chain Adjusters	Hydraulic
Reversible double chain escalator with steel shoes	
Shoes width	1,000 mm - 40 in

FRONT CRACKING WHEEL

Number of wheel	2
Transmission	Hydraulic
Hydraulic motor	1 orbital type
Lifter	1 hydraulic cylinder
Number of tools	6
Optional	Front roller ice crushing

SCREEN

Interchangeable screen mesh	1/2" to 4"
Width	1,206 mm - 47.5 in
Length	2,337 mm - 92 in
Area	30 sq ft - 2.78 m²
Number of decks	1
Maximum capacity	110 m³/hr
Maximum feed size	500 mm - 20 in
Transmission	Hydrostatic
Hydraulic motor	1 gear type

CONVEYOR BELT

Bilateral hydraulic extension slide	
Type	Rubber
Width	600 mm - 24 in
Length	3,900 mm - 12.8 ft
Variable speed	0 - 420 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)	160 Ah
Starter capacity	7.5 Kw
Alternator	60 A

PRODUCTION

Production rate will vary with certain conditions:	
Soil Condition, Pipe Size, Terrain, R.O.W.	
Indicative production, 24" pipe, normal soil	158 mt/h - 520 ft/hr



CONTROL PANEL

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



INSULATED CABIN

Insulated cabin with heater and A/C allows for total comfort, even in the harshest environments.



OSCILLATING CABIN

Hydraulically slides out to either side of the machine to facilitate working on either side of the ditch.



ADJUSTABLE ESCALATOR

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



INSULATED ENGINE

Engine compartment is insulated to limit noise to comply with limit requirements.

SPD-250 FEATURES



NOISE
The machine's noise-reducing enclosure helps to reduce noise levels, meeting EU noise requirements.



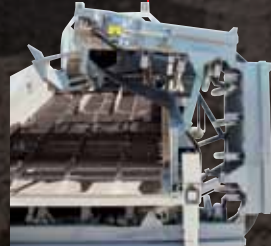
CABIN GLASS PANELING

Open glass paneling throughout cabin provides operator with 360° unobstructed view.



ADJUSTABLE CONVEYOR DOWL

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.



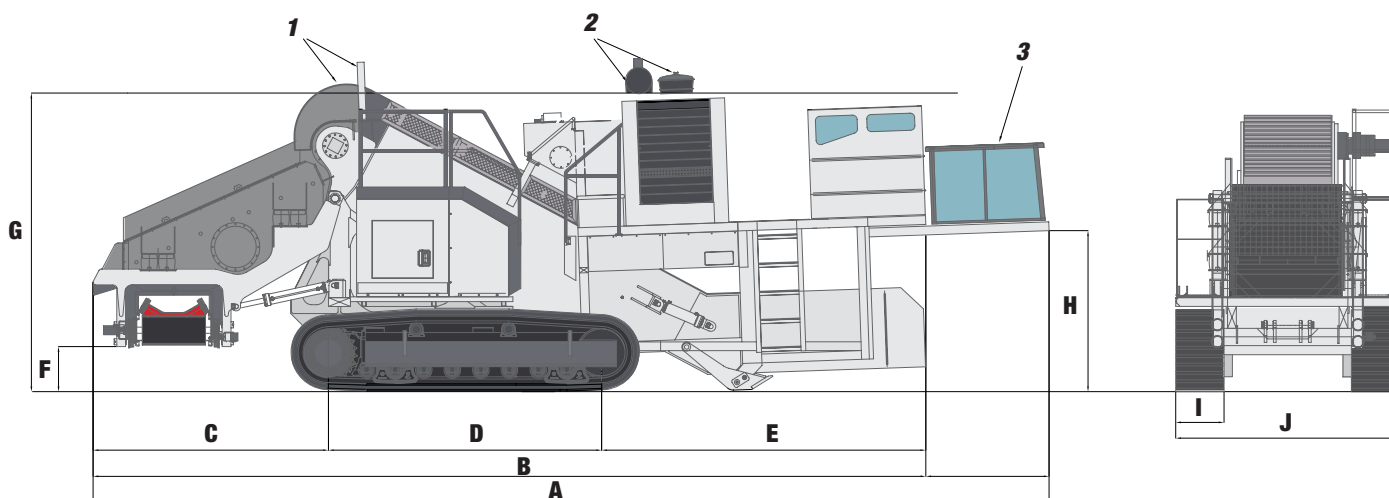
SPILL PAN VIBRATOR

Prevents material from sticking to pan, especially when soil conditions are wet.



DIMENSIONS

Operating weight 60,000 lb / 27,215 kg



	Feet	Meters
A Overall length (with canopy disassembled for shipping)	35.9 ft	10.9 m
B Length	31.2 ft	9.5 m
C Length of screen section	8.95 ft	2.68 m
D Length of tracks on the ground	10.2 ft	3.1 m
E Length of front section	12.2 ft	3.7 m
F Ground clearance to conveyor	1.8 ft	51.3 cm
G Height (with canopy, railings and muffler disassembled for shipping)	11.2 ft	3.4 m
H Front section clearance	6 ft	1.84 m
I Width of tracks	1.96 ft	55 cm
J Overall width	8.4 ft	2.55 m

Shipping disassembly

- 1 Escalator railings are disassembled
- 2 Muffler and air filter are disassembled and placed between engine and cab
- 3 Cabin is mounted on front supports

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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