



Remote-Controlled

SPD-160 Padding Machine

Screening area	57 sq ft / 5.2 m ²
Operating weight	52,911 lbs / 24,000 kg
Engine type	Caterpillar C-6.6 ACERT
Horsepower	168 kW / 225 HP



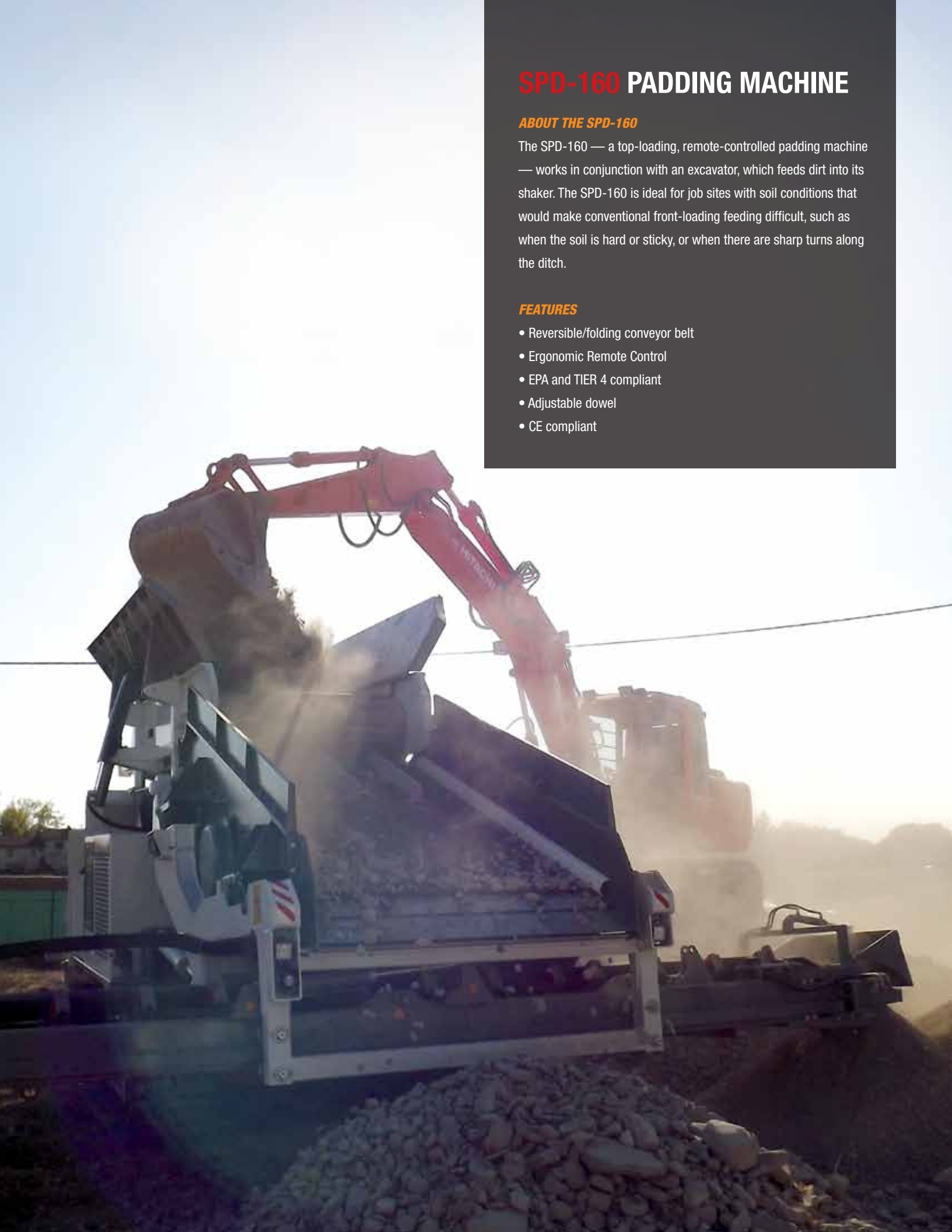
SPD-160 PADDING MACHINE

ABOUT THE SPD-160

The SPD-160 — a top-loading, remote-controlled padding machine — works in conjunction with an excavator, which feeds dirt into its shaker. The SPD-160 is ideal for job sites with soil conditions that would make conventional front-loading feeding difficult, such as when the soil is hard or sticky, or when there are sharp turns along the ditch.

FEATURES

- Reversible/folding conveyor belt
- Ergonomic Remote Control
- EPA and TIER 4 compliant
- Adjustable dowel
- CE compliant



GENERAL SPECIFICATIONS

ENGINE

Type	CATERPILLAR
Model	C-6.6
Net flywheel power (DIN 6270)	225 HP - 168 kW
Governed speed	2,100 rpm
Displacement	6.6 lt - 403 cu in

HYDRAULIC SYSTEM

Main pumps:	Bosch-Rexroth
	- 2 independent hydrostatic variable pumps travel
Maximum capacity	2x150 lt/min - 2x40 U.S. gal/min
Maximum operating pressure	420 bar - 6,090 p.s.i.
	- 1 hydrostatic variable pump escalator
Maximum capacity	118 lt/min - 31 U.S. gal/min
Maximum operating pressure	350 bar - 5,075 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	3.4 km/h - 2.1 miles/hr

CONTROLS

Type	Pilot operated
Safety	Emergency shut-off

FLUID CAPACITIES

Fuel tank	200 liters - 52 U.S. gal
Hydraulic system circuit	450 liters - 118 U.S. gal

ESCALATOR

Type	Hydrostatic, operator controlled, variable speed
Speed	0-60 rpm
Chain Adjusters	Hydraulic
	Reversible double chain escalator with steel shoes
Shoes width	1,600 mm - 63 in

SCREEN

Interchangeable screen cloth	1/2" to 4"
Width	1,820 mm - 71.5 in
Length	2,880 mm - 113.3 in
Area	57 sq ft - 5.2 m ²
Number of decks	1
Maximum capacity	209 m ³ /hr
Maximum feed size	570 mm - 22 in
Transmission	Hydrostatic
Hydraulic motor	1 gear type

CONVEYOR BELT

Bilateral hydraulic extension slide	
Type	Rubber
Width	800 mm - 32 in
Length (long belt)	6,000 mm - 236 in
Length (short belt)	4,500 mm - 177 in
Variable speed	0 - 440 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	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	300 mt/h - 990 ft/hr
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REMOTE CONTROL

Number of levers	10
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SPD-160 FEATURES





TOP-LOADING FEEDING SYSTEM

The top-loading system allows to easily feed material into the padder with an excavator. This was designed for very sticky soil conditions or where maneuverability is limited.



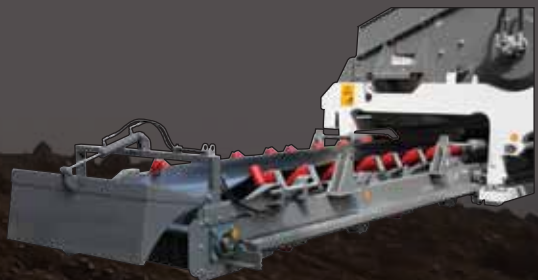
REMOTE CONTROLLER

The machine is operated with an ergonomic remote controller. Each movement is controlled by 10 levers. Tracks levers can maintain their position. The controller features an emergency button and engine RPM regulations.



INSULATED ENGINE

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



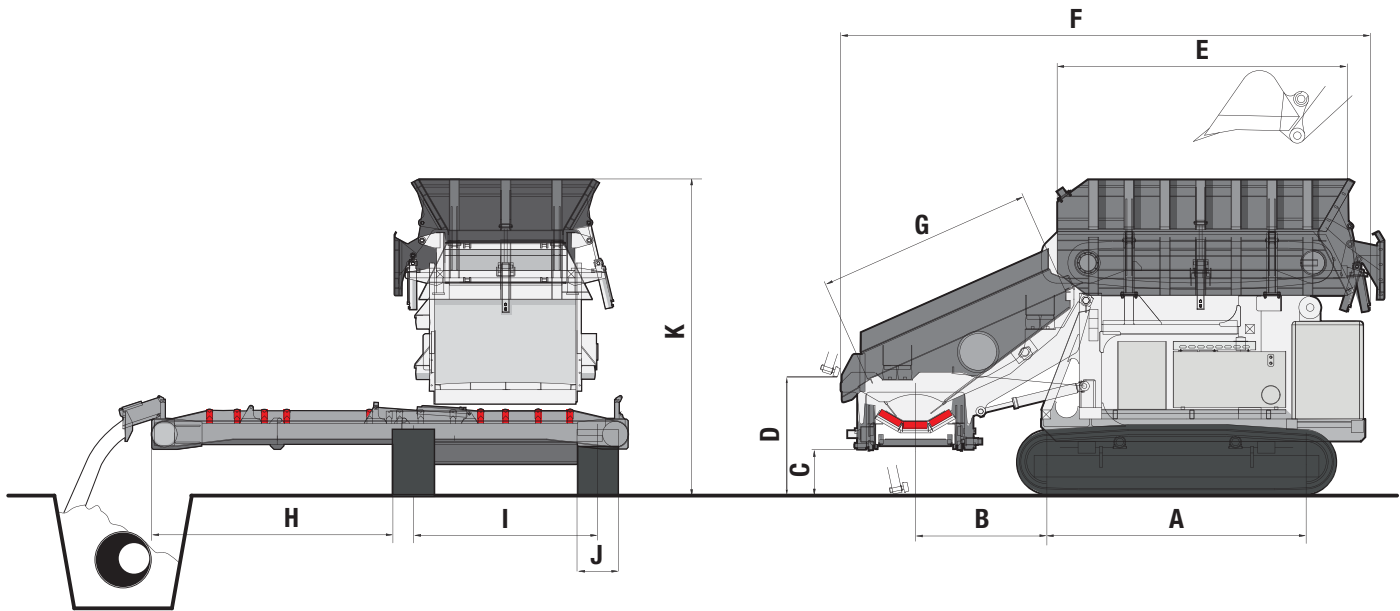
REVERSIBLE CONVEYOR

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



DIMENSIONS

Operating weight 52,911 lbs / 24,000 kg



	Feet	Meters
A Length of tracks on the ground	11 ft	3.45 m
B Length from tracks to conveyor	6 ft	1.75 m
C Conveyor clearance	2 ft	61 cm
D Screen height	5 ft	1.58 m
E Length of loading section	12.6 ft	3.86 m
F Overall length	23 ft	7.05 m
G Screen length	9 ft	2.88 m
H Length of conveyor (fully extended)	10.5 ft	3.21 m
I Track gauge	8 ft	2.45 m
J Tracks width	2 ft	600 cm
K Overall height	14 ft	4.2 m

1 Maximum operating slope	22° (35%)
2 Maximum operating lateral slope	5° (8%)

AVAILABLE MODELS



Padding Bucket | Screen Area: 1.53 m² / 16.47 sq ft



SPD-150 | Screen Area: 3 m² / 32 sq ft



SPD-160 | Screen Area: 5.2 m² / 57 sq ft



SPD-250 | Screen Area: 2.78 m² / 30 sq ft



SPD-350 | Screen Area: 5.57 m² / 60 sq ft



SPD-450 | Screen Area: 8.4 m² / 90 sq ft

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