



The SP-250

The SP-250 has all the features the SP-350 has but in a smaller frame. It is ideal for pipe sizes from 4 to 16 inches or job sites where accessibility is limited due to transportation or permit constrictions. It is also a popular model on renewable energy jobs.



SCREEN AREA
30 ft²



WEIGHT
64,000 lb



HORSEPOWER
250 HP

Specifications

Engine

Type	Caterpillar
Model	C-7 ACERT
Net flywheel power (DIN 6270)	250 HP - 184 kW
Governed speed	2,100 rpm

Hydraulic System

Main pumps:	Bosch-Rexroth 2 independent main pumps
Maximum operating pressure	6,090 p.s.i. (420 bar)
- 1 hydrostatic variable pump escalator	
Maximum operating pressure	4,350 p.s.i. (300 bar)
- 1 hydrostatic variable pump load sensing service	
Maximum operating pressure	3,625 p.s.i. (250 bar)

Transmission

Type	Hydrostatic
Motors	Dual motors axial pistons
Final drives	Epicycloidal oil soaked
Low speed	1.6 mph (2.5 km/h)
High speed	2.8 mph (4.5 km/h)

Fluid Capacities

Fuel tank	96 US gal (365 L)
Hydraulic system circuit	158 US gal (600 L)

Controls

Type	Pilot operated
Safety	Emergency shut-off

Escalator

Type	Hydrostatic, operator controlled, variable speed
Vertical adjustment	Minus 11 inches to plus 4 ft
Reversible double chain escalator with steel shoes	

Screen

Interchangeable screen mesh	1/2" to 4"
Width	47.5 in (120 cm)
Length	92 in (234 cm)
Area	30 ft ² (2.78 m ²)
Transmission	Hydrostatic
Hydraulic motor	1 gear type

Track Frame

Swinging track frame with sealed and lubricated chain	
Length of track on the ground	136 in (345 cm)
Standard shoes width	22 in (55 cm)
Pressure on the ground	0.77 kg/cm ²

Conveyor Belt

Bilateral hydraulic extension slide	
Type	Rubber
Width	24 in (60 cm)
Length	12.8 ft (390 cm)
Variable speed	0 - 420 mt/min
Rotation capability	Reversible
Transmission	Hydraulic variable speed
Hydraulic motors	2 orbital type

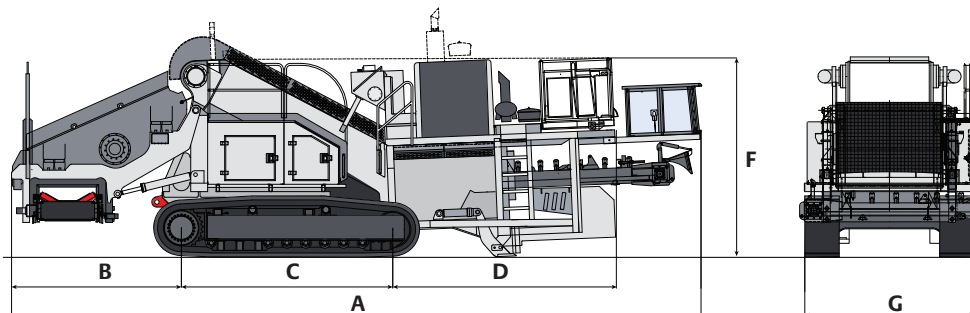
Electric System

Operating voltage	24 V
Maintenance free supplied batteries	2
Alternator	60 A

Production

Production rate will vary with certain conditions:	
Soil Condition, Pipe Size, Terrain, R.O.W.	
Indicative production, 16" pipe, normal soil	520 ft/hr (158 m/h)

Dimensions



A	35.9' (10.9 m)
B	8.95' (2.68 m)
C	10.2' (3.1 m)
D	12.2' (3.7 m)
F	11.2' (3.4 m)
G	8.4' (2.55 m)



2200 Post Oak Blvd., Ste. 1400, Houston, TX 77056
 Main 281.457.4400 | U.S. Toll Free 800.383.2666 | sales@superiormftg.com | www.superiormftg.com