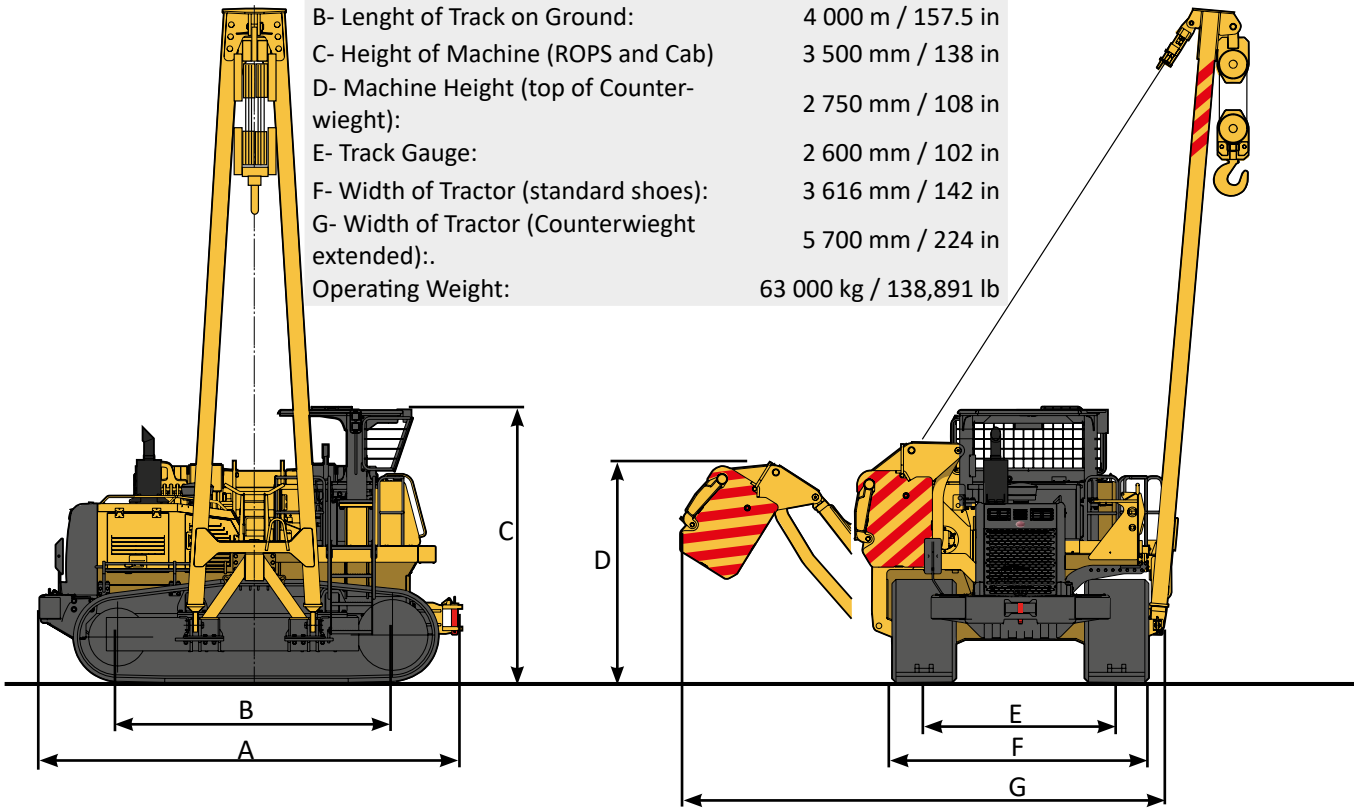
SPX 960SV

DIMENSION

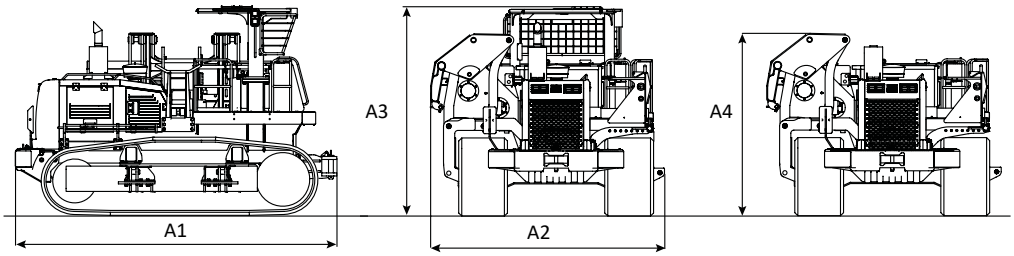
A- Operating Length	6 640 mm / 253 in
B- Lenght of Track on Ground:	4 000 m / 157.5 in
C- Height of Machine (ROPS and Cab)	3 500 mm / 138 in
D- Machine Height (top of Counter-wieght):	2 750 mm / 108 in
E- Track Gauge:	2 600 mm / 102 in
F- Width of Tractor (standard shoes):	3 616 mm / 142 in
G- Width of Tractor (Counterwieght extended):.	5 700 mm / 224 in
Operating Weight:	63 000 kg / 138,891 lb



TRANSPORT DIMENSIONS AND WEIGHT

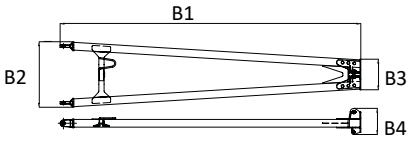
Basic Machine:

A1: 6 440 mm / 244 in
A2: 4 110 mm / 161.8 in
With ROPS/FOPS
A3: 3 530 mm /138 in
Weight: 48 600 kg / 107,144 lb
Without ROPS/FOPS
A4: 3 300 mm / 130 in
Weight: 47 850 kg /105,491lb



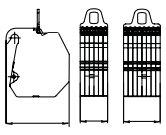
Boom:

B1: 8 800 mm / 346.5 in
B2: 2 400 mm / 94.5 in
B3: 860 mm/ 33.8 in
B4: 675 mm/ 26.5 in
Weight: 24 00kg /5,291 lb



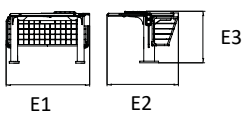
Counterweight:

C1: 1 170 mm / 46 in
C2: 560 mm / 22 in
C3: 800 mm/ 31.5in
Weight: 4 700 kg/10,361 lb
Weight: 67 00kg /14,770 lb



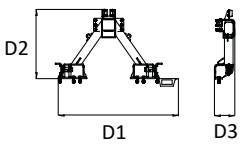
ROPS/FOPS Structure:

E1: 1 948 mm / 76.7 in
E2: 1 542 mm / 60.7 in
E3: 1 798 mm/ 70.8 in
Weight: 750 kg / 1,653 lb



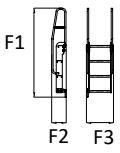
Frame:

D1: 1 500mm / 59 in
D2: 2 030 mm / 80 in
D3: 450 mm / 18 in
Weight: 700 kg / 1,543 lb



Ladder:

F1: 1 600 mm / 63 in
F2: 460 mm / 18 in
F3: 635mm/ 25 in
Weight: 50 kg /110 lb



SPX 960SV

GENERAL SPECIFICATIONS

ENGINE

EMISSION EU StageIIIA - U.S. EPA Tier 3

Type:	Caterpillar
Model:	C13 ACERT
Net flywheel power (DIN 6270-SAEJ 1349):	440hP - 324 kW
Governed speed:	2 100 rpm
Displacement:	12.5 l

EMISSION EU Stage V - U.S. EPA Tier 4 Final

Type:	Caterpillar
Model:	C9.3 B
Net flywheel power (DIN 6270-SAEJ 1349):	456 hP - 340 kW
Governed speed:	2 200 rpm
Displacement:	9.3 l

HYDRAULIC SYSTEM

Main Pumps

Bosch Rexroth n°2 indipendent variable desplacement

Maximum flow:	2x 390 l/min
Maximum operating pressure:	420 bar

Bosch Rexroth axial piston variable desplacement

Maximum flow:	280 l/min
Maximum operating pressure:	380 bar

Service Pumps

Tandem gear type

Maximum flow:	50 l/min
Maximum operating pressure:	230 bar

TRANSMISSION

Type:	Hydrostatic colosed circuit
Brakes:	4 integrate negative contorl
Final drives:	Epiciclodal oil soaked
Maximum speed	
1- speed:	1,7 km/h -1.0 mph
2- speed:	2,6 km/h 1.6 mph
3- speed:	8,0 km/h 5.0 mph

CONTROLS

Type:	Two pilot operated
Safety:	Emergency shut-off

TSSystem: Two Steering System to provide with other two levers to drive the track independently in order to guarantee small and precise movement.

TRACK FRAME

Hard track frame with sealed and lubricated chian D9H type

Number of bottom rollers:	9+9
Number of carriyng rollers:	2+2
Track Gauge:	2,6 m / 8.5 ft
Length of track on the ground:	4,08m / 13.4 ft
Standard shoes width:	914 mm / 36 in
Ground contact area:	73 440 cm^2 / 11,382 in^2
Option shoes width:	1 015 mm / 40 in
Ground contact area:	82 824 cm^2 / 12,837 in^2

FLUID CAPACITIES

Fuel tank:	670 l/ 177 U.S.gal
Hydraulic system circuit:	330 l/ 87U.S.gal
Cooling system:	65 l/ 17.2U.S.gal
Engine oil:	34 l/9U.S.gal
Final drives each:	50 l/13.2U.S.gal
Urea tank (for Tier 4 Final Engine):	34,5 l/9.1U.S.gal

ELECTRIC SYSTEM

Operating voltage:	24 V
Maintenance free supplied batteries:	2
Capacity (total):	220 Ah
Starter capacity:	7,5 kW
Alternator:	55 A

PIPELAYING EQUIPMENT

HYDRAULIC WINCHES

Type:	Hydraulic controlled drums (reversible), driven by variable flow hydraulic pump and conrtol block valve in open circuit.
Final drive:	Compact hydrostatic drive unit tree-stage planetary gear.
Brakes:	Integrated multiple disk brake, spring applied hydraulic released.

CONTROL

Type:

Hydraulic controlled drums (reversible.) Driven by variable flow hydraulic pump and control valve block in open circuit

	Hook	Boom
Capacity(19 mm – 3/4 inch.):	136 m / 446 ft	105 m / 344 ft
Wire rope installed:	120 m / 394 ft	70 m / 275 ft
Hook speed:	0:16 m/min / 0:52 ft/min	

ADJUSTABLE COUNTERWEIGHTS

QD-CS: Quick Disconnected Counterweight System to give the possibility to disassemblybin a short time all counterweight pack.

Removable counterweight

Front pack:	6 700 kg / 14,771 lb
Rear pack:	4 700 kg / 10,361 lb
Total weight extendable:	11 400 kg / 25,132 lb

BOOM

Type:	8,5m
Optional:	10,5m
Diameter wire rope:	19mm / 3/4 in
Part load line:	8
Part boom line:	5

OPTIONAL

Closed cabin
Air conditioning
Visio display
Rear winch
Extra long boom