



SD-120 PRO-PAC™ Vibratory Soil Compactor



The Ingersoll-Rand SD-120 PRO-PAC features a powerful Cummins B5.9-C diesel engine. This six-cylinder engine provides power and torque to handle the increased demands on projects like high altitude operation and compaction of highly cohesive soils.

The powerful engine and standard heavy duty drive adds value and optimum performance when the smooth drum SD-120 is equipped with Ingersoll-Rand's unique, patented optional clamp-on padfoot drum shell kit.

The SD-120 PRO-PAC operator platform is vibration-isolated for operator comfort; controls and instruments are ergonomically positioned to the right side of the operator.

A patented dual amplitude eccentric system and unique variable vibration frequency gives the SD-120 PRO-PAC unmatched compaction performance and productivity on a wide range of material types and lift thickness.

The SD-120 PRO-PAC features unsurpassed serviceability. A strong, yet lightweight,

composite engine hood lifts by gas springs to permit unobstructed access to the engine compartment for maintenance and service of the engine, electrical system and hydraulic components.

Standard Features

- Adjustable scraper
- Dual amplitude eccentric design
- Dual beam halogen front light
- Gauges and instrumentation
- Heavy duty drum drive
- No-Spin® differential axle
- Oil-bath eccentric lubrication
- Powerful 6 cylinder turbocharged diesel engine
- ROPS/FOPS with seat belt
- Isolated (shock-mounted) operator platform
- Variable vibration frequency



SD-120 D PRO-PAC Specifications

Machine Weight (with ROPS)

Operating Weight (CECE)	27,295 lb.	(12380 kg)
Static Weight at Drum	16,865 lb.	(7650 kg)
Static Weight at Tires	10,430 lb.	(4730 kg)
Shipping Weight	26,985 lb.	(12240 kg)

Machine Dimensions

Overall Length	236 in.	(6000 mm)
Overall Width	97 in.	(2455 mm)
Overall Height (top of steering wheel)	92 in.	(2345 mm)
Wheelbase	130 in.	(3305 mm)
Curb Clearance	17 in.	(420 mm)
Outside Turning Radius (measured at drum edge)	225 in.	(5720 mm)

Drums

Drum Width	84 in.	(2135 mm)
Drum Diameter	59 in.	(1500 mm)
Drum Shell Thickness	1 in.	(25 mm)

Vibration

Frequency		1100-1850 VPM	(18.3-30.8 Hz)
Centrifugal Force	high	52,500 lb.	(234 kN)
	low	26,200 lb.	(117 kN)
Nominal Amplitude	high	0.067 in.	(1.70 mm)
	low	0.033 in.	(0.85 mm)

Propulsion

Type System		Hydrostatic, two speed motor on planetary axle/ No-Spin® differential	
Tire Size		23.1 x 26 -8PR R-3 diamond tread	
Drum Drive		Standard	
Travel Speed	high	0-6.6 mph	(0-10.7 km/hr)
	low	0-4.2 mph	(0-6.7 km/hr)

Engine

Make and Model	Cummins B5.9-C		
Engine Type	6B block, turbocharged		
Rated Power @ 2200 rpm	148 hp	(110.4 kW)	
Electrical System	12-volt DC, negative ground; 65 amp alternator; two 800 CCA batteries.		

Brakes

Service	Dynamic hydrostatic through propulsion system		
Parking/Secondary	Spring-Applied, Hydraulically-Released on axle		

Miscellaneous

Articulation Angle		+/- 40°	
Oscillation Angle		+/- 17°	
Fuel Capacity	72 gal.	(272 liters)	
Hydraulic Oil Capacity	54 gal.	(204 liters)	
Gradeability (theoretical)		61%	

Selected Options

- Air pre-cleaner
- CE kit (European union requirements)
- Dual scraper or inside scraper
- EROPS with heat or A/C and heat
- Patented clamp-on padfoot drum shell kit
- Rear work lights
- Density meter and VPM meter
- Sound kit
- Traction valve
- Contact factory for additional options

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