

SD-110 PRO-PAC™ Vibratory Soil Compactor



The Ingersoll-Rand SD-110 PRO-PAC Series features a powerful Cummins B5.9-C engine. This six-cylinder engine provides greater power and torque to handle the increased demands on projects like 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-110D is equipped with Ingersoll-Rand's unique, patented optional bolt-on padfoot drum shell kit.

The SD-110 PRO-PAC Series 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-110 PRO-PAC Series unmatched compaction performance and productivity on a wide range of material types and lift thicknesses.

The SD-110 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
- Shock-mounted operator platform
- Traction valve for SD-110F
- Variable vibration frequency

SD-110 PRO-PAC™ Specifications

	SD-110D PRO-PAC		SD-110F PRO-PAC	
Machine Weights (with ROPS/FOPS)				
Operating weight (CECE)	23,855 lb.	(10820 kg)	26,395 lb.	(11970 kg)
Static weight at drum	13,945 lb.	(6325 kg)	16,165 lb.	(7330 kg)
Static weight at tires	9,910 lb.	(4495 kg)	10,230 lb.	(4640 kg)
Shipping weight	23,550 lb.	(10680 kg)	26,115 lb.	(11845 kg)
Dimensions				
Overall length	234 in.	(5945 mm)	234 in.	(5945 mm)
Overall width	93 in.	(2360 mm)	93 in.	(2360 mm)
Overall height - top of ROPS/FOPS	122 in.	(3105 mm)	124 in.	(3150 mm)
Wheelbase	130 in.	(3305 mm)	130 in.	(3305 mm)
Curb clearance	18.7 in.	(475 mm)	23.7 in.	(602 mm)
Outside turning radius	225 in.	(5720 mm)	225 in.	(5720 mm)
Drum diameter	59 in.	(1500 mm)	59 in.	(1500 mm)
Drum diameter over pads	--	--	69 in.	(1750 mm)
Drum width	84 in.	(2135 mm)	84 in.	(2135 mm)
Drum shell thickness	1 in.	(25 mm)	1 in.	(25 mm)
Pad area	--	--	21 sq. in.	(135 sq cm)
Pad height	--	--	5 in.	(125 mm)
Number of pads	--	--		120
Vibration				
Frequency	1100-1850 vpm	(18-30.8 Hz)	1100-1850 vpm	(18-30.8 Hz)
Centrifugal Force	- high	52,500 lb. (234 kN)	52,500 lb. (234 kN)	
	- low	26,200 lb. (117 kN)	26,200 lb. (117 kN)	
Nominal Amplitude	- high	0.067 in. (1.70 mm)	0.054 in. (1.36 mm)	
	- low	0.033 in. (0.85 mm)	0.027 in. (0.68 mm)	
Engine				
Make & model	Cummins B5.9-C		Cummins B5.9-C	
Rated power @ 2200 rpm	148 hp	(110 kW)	148 hp	(110 kW)
Electrical system	12 volt DC, (2) 800 cca batteries		12 volt DC, (2) 800 cca batteries	
Propulsion				
Type system	Torque balanced, closed loop, hydrostatic with two-speed No-Spin® differential			
Tire size	23.1x26, 8 PR, R3		23.1x26, 8 PR, R1	
Speed	- low range	0-4.1 mph (0-6.6 km/h)	0-4.4 mph (0-7.1 km/h)	
	- high range	0-6.6 mph (0-10.6 km/h)	0-7.3 mph (0-11.8 km/h)	
Brakes				
Service	Dynamic hydrostatic through propulsion			
Parking/secondary brake	Spring applied, hydraulic released			
Miscellaneous				
Articulation angle	±40°		±40°	
Oscillation angle	±17°		±17°	
Fuel capacity	72 gal.	(272 liters)	72 gal.	(272 liters)
Hydraulic oil capacity	54 gal.	(204 liters)	54 gal.	(204 liters)
Gradeability (theoretical)	71%		53%	

Selected Options

- Air precleaner
- Dual scraper or inside scraper
- EROPS cab with heater or heater and AC
- Padfoot drum shell kit for SD-110D
- Rear work lights
- Sound kit
- Strike-off blade
- Traction valve for SD-110D
- VPM meter
- Contact factory for additional options

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Ingersoll-Rand Company

Road Machinery
312 Ingersoll Drive
Shippensburg, PA 17257
www.road-development.irco.com