

# INGERSOLL-RAND®

## Vibratory Asphalt Compactor SD-100DA PRO-PAC™



The Ingersoll-Rand SD-100DA PRO-PAC™ features a 55 inch diameter, machined front drum and smooth rear tires with an industry exclusive water spray system for compacting HMA. Eight positions of amplitude with a variable vibration frequency up to 2500 vpm, makes the SD-100DA PRO-PAC™ ideal for the most demanding applications. A 125 horsepower Cummins 4BTA 3.9 engine and axle plus drum drive give this machine high performance to handle various grades on difficult projects. As a result of the compactor's powerful drum performance and traction capabilities, it performs well on granular sub-base, gravel and cold in-place recycled mixes, as well as HMA.

### Standard Features

- Spring-loaded drum wiper
- Eight variable amplitude settings
- Cummins 4 BTA 3.9 diesel engine
- Patented dual isolation system between drum and frame
- High torque drum drive
- Manual control for reversing eccentrics
- No-Spin® differential in axle
- Polyethylene water tank with a 160 gallon capacity
- ROPS/FOPS with seatbelt
- Three stages of water filtration for spray system
- Variable frequency 1500-2500 vpm
- Automatic vibration control
- Back-up Alarm

**INGERSOLL-RAND**  
**CONSTRUCTION & MINING**

## SD-100DA PRO-PAC™ Specifications

### Machine Weights (with ROPS/FOPS)

Operating weight (CECE)	22,200 lb.	(10070 kg)
Static weight at drum	13,000 lb.	(5895 kg)
Static weight at tires	9,200 lb.	(4175 kg)
Shipping weight	21,915 lb.	(9935 kg)

### Dimensions

Overall length	234 in.	(5945 mm)
Overall width	93 in.	(2360 mm)
Overall height - top of ROPS/FOPS	124 in.	(3150 mm)
Wheelbase	130 in.	(3305 mm)
Curb clearance	20 in.	(515 mm)
Outside turning radius	223 in.	(5665 mm)
Drum diameter	55.1 in.	(1400 mm)
Drum width	84 in.	(2135 mm)
Drum shell thickness (nominal)	0.75 in.	(19 mm)

### Vibration

Frequency	1500-2500 vpm	(25-41.7 Hz)
Centrifugal Force	- high 36,000 lb.	(160 kN)
	- low 16,000 lb.	(71 kN)
Nominal Amplitude	- high 0.035 in.	(0.9 mm)
	- low 0.016 in.	(0.4 mm)

### Engine

Make & model	Cummins 4BTA 3.9
Rated power @ 2200 rpm	125 hp (93 kW)
Electrical system	12 volt DC, (2) 800 cca batteries

### Propulsion

Type system	Closed loop, hydrostatic with two-speed No-Spin® differential
Tire size	16.9 x 30, 6 PR, smooth
Drum drive	Radial piston motor
Speed	- low range 0-4.9 mph (0-7.8 km/hr)
	- high range 0-8.8 mph (0-14.2 km/hr)

### Brakes

Service brake	Dynamic hydrostatic through propulsion
Parking/secondary brake	Spring applied, hydraulic released

### Miscellaneous

Articulation angle	±40°
Oscillation angle	±17°
Fuel capacity	71 gal. (268 liters)
Hydraulic oil capacity	57 gal. (215 liters)
Water tank capacity	160 gal. (605 liters)
Gradeability (theoretical)	53%

### Optional Features

- Drum cocoa mat
- Hydraulic oil temperature gauge
- Rear flood lights
- Tires, diamond tread

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale products shall be in accordance with Ingersoll-Rand's standard terms and conditions of sale for such products, which are available upon request.