

DD-12S DURA-PAC™ Vibratory Asphalt Compactor



Big Performance In A Small Package

The Ingersoll-Rand DURA-PAC™ Series DD-12S double drum vibratory compactor offers high performance in an ergonomically styled compact package. This compactor provides unsurpassed overall value through industry-leading drum performance, unmatched operating intervals, and more standard safety features than any machine in its class. With a centrifugal force of 3,300 lb (14.7 kN), the DD-12S provides the compaction necessary to achieve maximum density and smoothness in fewer passes. The DD-12S is designed with an amplitude intended primarily for hot mix asphalt (HMA), but can be equally effective for soil sub-base and aggregate base applications.

DD-12S DURA-PAC™ Vibratory Asphalt Compactor

Specifications

DURA-PAC PERFORMANCE FEATURES

■ Drum Performance

- The ideal combination of eccentric weight, drum width, centrifugal force, frequency, and amplitude provide the most efficient compaction of materials for the highest versatility and the best overall performance
- High 4,000 vpm frequency for consistent smoothness
- Operator can choose front-drum vibration only, or static mode
- Machined / chamfered drum edges to provide a quality finish on every job

■ Industry-leading water system

- 52 gal (197 L) water tank extends refill intervals
- Pressurized water system with hand-serviceable nozzles and double filtration
- Spring-loaded, self-adjusting, neoprene wipers

■ Operations

- High curb and low side clearances allow for efficient maneuvering around curbing and other jobsite obstacles
- Isolation of the front vibratory drum, positioning of the operator platform, plus 4-point isolation of the operator platform from the frame enhances the operator's comfort and safety
- Propulsion and vibration controls are conveniently designed for comfort, simplicity, and ease of use

■ Serviceability

- Color-coded service charts show detailed checkpoints, service intervals, and proper lubricants
- Unobstructed daily checkpoints, easy-to-lift engine enclosure, plus ground-level access to the engine, radiator, battery, and filters

SELECTED OPTIONS

- Fold-down ROPS for transport
- Inside wiper / scraper kit
- Special paint
- Steering knob
- Strobe light
- Suspension seat
- Urethane wipers
- Water strainer

MODEL

DD-12S

MACHINE WEIGHTS (W/ ROPS)

Operating Weight – lb (kg)	2,950 (1338)
Static Weight @ Front Drum – lb (kg)	1,290 (585)
Static Weight @ Rear Drum – lb (kg)	1,660 (753)
Shipping Weight – lb (kg)	2,485 (1127)

MACHINE DIMENSIONS

Overall Length – in (mm)	80.1 (2035)
Overall Width – in (mm)	40.1 (1018)
Overall Height (top of steering wheel) – in (mm)	60.7 (1542)
Overall Height (top of ROPS) – in (mm)	100.5 (2552)
Drum Base – in (mm)	55.1 (1400)

DRUM

Drum Width – in (mm)	35.4 (900)
Drum Diameter – in (mm)	22.0 (559)
Drum Shell Thickness – in (mm)	0.40 (10.2)
Finish	Machined / chamfered edge

VIBRATION

Frequency – vpm (Hz)	4,000 (66.7)
Centrifugal Force – lb (kN)	3,300 (14.7)
Nominal Amplitude – in (mm)	0.015 (0.38)
Lubrication	Grease
Type System	Open-loop
Vibrating Drums	Front drum only
Vibration Isolation	6 shear block isolators

PROPULSION

Type System	Closed-loop, hydrostatic, parallel circuit
Drum Drive	Pump: axial-piston; Motor: radial piston, low speed, high torque
Speed (forward & reverse) – mph (km/h)	0 – 4.4 (0 – 7.1)
Gradeability (theoretical)	51.9%

ENGINE

Make & Model	Briggs & Stratton Vanguard
Rated Power – hp (kW)	16.1 (12.0) @ 3,000 rpm
Type	2-cylinder gasoline

BRAKES

Service	Dynamic hydrostatic through propulsion system
Parking / Secondary	Mechanical, cable controlled

STEERING

Design	Centerpoint articulation
Type System	Double-acting, hydraulic, 1-cylinder
Articulation Angle	+ / - 34°
Outside Turning Radius (measured to drum edge) – in (mm)	108 (2740)

WATER SYSTEM

Type	Pressurized
Pump	Electric, diaphragm
Flow – gpm (L/min)	0 – 1.2 (0 – 4.5)
Qty & Nozzle Type (per drum)	4 hand-serviceable nozzles
Tank Capacity – gal (L)	52 (197)
Filters	100 mesh screen @ nozzles, 80 mesh in-line
Drum Wipers Type	Spring-loaded, self-adjusting, neoprene wipers

ELECTRICAL

Battery	12 V, negative ground; 410 CCA
Alternator	15 A

MISCELLANEOUS SPECIFICATIONS

Fuel Capacity – gal (L)	4.6 (17.4)
Hydraulic Capacity – gal (L)	9 (34.1)
Oscillation	+ / - 10°
Curb Clearance – in (mm)	13.2 (335)
Side Clearance – in (mm)	Right 1.67 (42.5) Left 1.83 (46.5)

Product improvement is a continuing goal at Ingersoll-Rand. Designs and specifications are subject to change without notice or obligation.

