



A winning pair — durability and reliability

The Ingersoll Rand DD-14S and DD-16 double drum vibratory compactors provide unsurpassed value through industry-leading drum performance, unmatched operating intervals, and more standard safety features than any other machines in their class. While these machines are engineered with an amplitude designed primarily for hot mix asphalt (HMA), they can be equally effective for soil sub-base and aggregate-base applications.

MACHINE WEIGHTS (WITH ROPS) Operating Weight – Ib (kg) 3,350 (1519) 3,570 (1619) Static Weight @ Front Drum – Ib (kg) 1,570 (712) 1,630 (739) Static Weight @ Rear Drum – Ib (kg) 1,780 (807) 1,940 (880) Shipping Weight – Ib (kg) 2,960 (1342) 3,180 (1442) MACHINE DIMENSIONS Overall Length – in (mm) 80.1 (2035) 80.1 (2035) Overall Width – in (mm) 40.1 (1018) 42.7 (1085) Overall Height to Steering Wheel – in (mm) 60.4 (1534) 60.4 (1534) to ROPS – in (mm) 88.2 (2240) 88.2 (2240) Drum Base – in (mm) 55.1 (1400) 55.1 (1400) DRUM Drum Width – in (mm) 35.4 (900) 39.4 (1000) Drum Diameter – in (mm) 22 (560) 22 (560) Drum Shell Thickness – in (mm) 0.47 (12) 0.47 (12) Finish Machined, chamfered edge VIBRATION Frequency – vpm (Hz) 4,000 (66.7) 4,000 (66.7) Centrifugal Force – Ib (kN) 3,500 (15.6) 4,000 (17.8) Nominal Amplitude – in (mm) 0.015 (0.37) 0.016 (0.40) Type System Open-loop, parallel circuit Vibrating Drums Front drum only Both or front only PROPULSION Type System Closed-loop, hydrostatic, series circuit Drum Drive Pump: axial piston; Motor: radial piston, low speed, high torque Speed – mph (km/h) 0 – 3.9 (0 – 6.3) 0 – 3.9 (0 – 6.3) BRAKES Service Dynamic hydrostatic through propulsion system	MODEL	DD-14S	DD-16	
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Static Weight @ Front Drum - Ib (kg) 1,780 (807) 1,940 (880)		3.350 (1519)	3.570 (1619)	
Static Weight @ Rear Drum - Ib (kg) 1,780 (807) 1,940 (880) Shipping Weight - Ib (kg) 2,960 (1342) 3,180 (1442) MACHINE DIMENSIONS				
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Overall Height to Steering Wheel – in (mm)				
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Type 3-cylinder diesel STERING Design Centerpoint articulation Type System Double-acting, hydraulic, 1-cylinder Articulation Angle + / - 34° + / - 34° Outside Turning Radius – in (mm) 108 (2740) 110 (2790) WATER SYSTEM Type Pressurized Pump Electric, diaphragm Tank Capacity – gal (L) 52 (197) 52 (197) Filters 100 mesh screen @ nozzles, 80 mesh in-line Drum Wipers Type Spring-loaded, self-adjusting, neoprene wipers MISCELLANEOUS Fuel Capacity – gal (L) 7.8 (29.5) 7.8 (29.5) Hydraulic Oil Capacity – gal (L) 9 (34.1) 9 (34.1) Oscillation + / - 10° + / - 10° Curb Clearance — Vibration / Traction – in (mm) 13.3 (337) / 17.3 (440) 13.3 (337) / 17.3 (440) Side Clearance – in (mm) 1.9 (49) 1.7 (42)				
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PERFORMANCE FEATURES

Drum performance

- High 4,000 vpm frequency for consistent smoothness
- Operator can choose front-drum vibration only, double-drum vibration, or static mode
- Machined / chamfered drum edges

Industry-leading water system

- 52 gal (197 L) water tank extends refill intervals
- Standard pressurized water system, handserviceable nozzles, and double-filtration
- Water flows only when the compactor is moving (in automatic mode)

Operations

- High curb and low side clearances allow for efficient maneuvering around jobsite obstacles
- Isolation of the vibratory drum and operator platform enhances operator comfort and safety
- Propulsion and vibration controls are conveniently designed for comfort, simplicity, and ease of use
- Back-up alarm is standard equipment

Serviceability

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

SELECTED OPTIONS

- Audible alarm
- Fold-down ROPS for transport
- Hazard and turn signals
- Hydraulic test ports
- Inside wiper / scraper kit
- Low fuel alarm
- Rear drum vibration (DD-14S)
- Special paint
- Steering knob
- Strobe light
- Suspension seat
- Urethane wipers
- Water strainer
- Work lights



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