



DD-14S & DD-16

Vibratory Compactors



*Moving the
World Forward*

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.

MODEL	DD-14S	DD-16
MACHINE WEIGHTS (WITH ROPS)		
Operating Weight – lb (kg)	3,350 (1519)	3,570 (1619)
Static Weight @ Front Drum – lb (kg)	1,570 (712)	1,630 (739)
Static Weight @ Rear Drum – lb (kg)	1,780 (807)	1,940 (880)
Shipping Weight – lb (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 – lb (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)
Gradeability (theoretical)	33.5%	32.5%
BRAKES		
Service	Dynamic hydrostatic through propulsion system	
Parking / Secondary	Spring-applied, hydraulically released (SAHR) on each drum drive	
ENGINE		
Make & Model	Kubota D722-B	Kubota D722-B
Rated Power @ 3,000 rpm – hp (kW)	16.9 (12.6)	16.9 (12.6)
Type	3-cylinder diesel	
STEERING		
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)

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



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, hand-serviceable 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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