



DD-24 & DD-30

Vibratory Compactors



*Moving the
World Forward*

Reliable performance and unsurpassed value

Ingersoll Rand DD-24 and DD-30 vibratory compactors offer high productivity and unsurpassed value through industry-leading drum performance, unmatched operating intervals and more standard safety features than any machine in their class. Designed for optimum compaction of complex materials, the DD-24 and DD-30 provide contractors with a distinct competitive advantage.

MODEL	DD-24	DD-30
MACHINE WEIGHTS (W/ ROPS)		
Operating Weight – lb (kg)	6,335 (2873)	6,900 (3130)
Static Weight @ Front Drum – lb (kg)	2,970 (1347)	3,190 (1447)
Static Weight @ Rear Drum – lb (kg)	3,365 (1526)	3,710 (1683)
Shipping Weight – lb (kg)	5,823 (2641)	6,390 (2898)
MACHINE DIMENSIONS		
Length – in (mm)	101 (2556)	101 (2556)
Width – in (mm)	53.7 (1363)	58.5 (1485)
Height – Top Of Steering Wheel – in (mm)	71.8 (1824)	71.8 (1826)
Height – Top Of ROPS – in (mm)	99.4 (2525)	99.5 (2527)
Drum Base – in (mm)	67.9 (1725)	67.9 (1725)
DRUM		
Width – in (mm)	49.2 (1250)	54.1 (1374)
Diameter – in (mm)	28.8 (732)	29 (736)
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)	7,100 (32)	7,500 (33.3)
Nominal Amplitude – in (mm)	0.016 (.40)	0.013 (.33)
Type System	Open-loop, parallel circuit	
Vibrating Drums	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 – 6.6 (0 – 10.6)	0 – 6.6 (0 – 10.6)
Gradeability (theoretical)	41%	37%
ENGINE		
Make & Model	Kubota V2203M	Kubota V2203M
Rated Power – hp (kW)	44 (32.8) @ 2,450 rpm	44 (32.8) @ 2,450 rpm
Type	4-cylinder diesel	
BRAKES		
Service	Dynamic hydrostatic through propulsion system	
Parking / Secondary	Spring-applied, hydraulically released (SAHR) on each drum drive	
STEERING		
Design	Centerpoint articulation	
Type System	Double-acting, hydraulic, single-cylinder	
Articulation Angle	+ / - 30°	+ / - 30°
Outside Turning Radius – in (mm)	151.5 (3847)	153.8 (3907)
WATER SYSTEM		
Type	Pressurized	
Pump	Electric, diaphragm	
Tank Capacity – gal (L)	79 (299)	79 (299)
Filters	100 mesh screen @ nozzles, 80 mesh in-line	
Drum Wipers Type	Spring-loaded, self-adjusting, neoprene wipers	
MISCELLANEOUS		
Fuel Capacity – gal (L)	18 (68)	18 (68)
Hydraulic Oil Capacity – gal (L)	22.4 (84.9)	22.4 (84.9)
Oscillation	+ / - 10°	+ / - 10°
Curb Clearance – in (mm)	18.9 (481)	23.9 (606)
Side Clearance – in (mm)	2.2 (57)	2.2 (57)

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 provide a quality finish on every job
- Industry-leading water system**
 - 79 gal (299 L) water tank extends refill intervals
 - Water flows only when the compactor is moving (in automatic mode)
 - Standard pressurized water system, hand-serviceable nozzles, and double-filtration
- 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

- Biodegradable oil
- Fold-down ROPS for transport
- Hazard and turn signals
- Hydraulic test ports
- Inside wiper / scraper kit
- Low fuel alarm
- Special paint
- Steering knob
- Strobe light
- Suspension seat
- Urethane wipers
- Water strainer
- Work lights



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