

DD-24 & DD-30 DURA-PAC™ Vibratory Compactors

IR Ingersoll Rand®



Reliable Performance

The 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.



DD-24 & DD-30 DURA-PAC Vibratory Compactors

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, double-drum vibration, or static mode
- **Industry-leading water system**
 - 79 gal (299 L) water tank extends refill intervals, standard pressurized water system, hand-serviceable water nozzles, and double filtration
 - Water flows only when the compactor is moving (in automatic mode)
- **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
- Cocoa mats
- Edge compactor
- Falling Object Protective Structure (FOPS)
- Foldable Roll Over Protection System (ROPS)
- Gauge package
- Hazard and turn signals
- Hydraulic test ports
- Inside wipers
- Low fuel alarm
- Sound kit
- Special paint
- Steering knob
- Strobe light
- Tool kit
- Urethane wipers
- Vandal cover
- Water strainer
- Work lights

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)	6,388 (2898)
MACHINE DIMENSIONS		
Overall Length – in (mm)	101 (2564)	101 (2564)
Overall Width – in (mm)	53.7 (1364)	58.6 (1488)
Overall Height (top of steering wheel) – in (mm)	71.9 (1826)	71.9 (1826)
Overall Height (top of ROPS) – in (mm)	99.5 (2527)	99.5 (2527)
Drum Base – in (mm)	67.9 (1725)	67.9 (1725)
DRUM		
Drum Width – in (mm)	49.2 (1250)	54.1 (1374)
Drum Diameter – in (mm)	28.8 (732)	29.0 (736)
Drum Shell Thickness (nominal) – in (mm)	.47 (12)	.55 (14)
Finish	Machined, chamfered edge	
VIBRATION		
Frequency – vpm (Hz)	4,000 (66.7)	4,000 (66.7)
Centrifugal Force – lb (kN)	7,100 (31.5)	7,500 (33.3)
Nominal Amplitude – in (mm)	.016 (.40)	.013 (.34)
Lubrication	Oil splash	
Type System	Open-loop, series circuit	
Vibrating Drums	Both or front only	
Vibration Isolation	6 shear block isolators per drum	
PROPULSION		
Type System	Closed-loop, hydrostatic, parallel circuit to drums	
Drum Drive	Pump: axial-piston; Motor: radial-piston, low-speed, high-torque	
Speed (forward & reverse) – mph (km/h)	0 – 6.6 (0 – 10.6)	0 – 6.6 (0 – 10.6)
Gradeability (theoretical)	41%	37%
ENGINE		
Make & Model	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 on each drum drive	
STEERING		
Design	Centerpoint articulation	
Type System	Double-acting, hydraulic, single cylinder	
Articulation Angle	+ / - 30°	+ / - 30°
Outside Turning Radius (measured to drum edge) – in (mm)	151.5 (3848)	153.8 (3907)
WATER SYSTEM		
Type	Pressurized	
Pump	Electric, diaphragm	
Flow – gpm (L/min)	0 – 1.2 (0 – 4.5)	0 – 1.2 (0 – 4.5)
Quantity & Nozzle Type (per drum)	5 hand-serviceable nozzles	
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	
ELECTRICAL		
Battery	12 V, negative ground, 800 CCA	
Alternator	40 A	40 A
MISCELLANEOUS		
Fuel Capacity – gal (L)	18 (68)	18 (68)
Hydraulic Capacity – gal (L)	22.4 (84.9)	22.4 (84.9)
Oscillation	+ / - 10°	
Curb Clearance – in (mm)	Right Left	23.9 (607) 24.2 (615)
Side Clearance – in (mm)	2.2 (56)	

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

