



DD-22 & DD-24

Small Asphalt Compactors



*Moving the
World Forward*

Introducing reliable performance in a smaller package

Ingersoll Rand combined our global engineering resources to bring you the DD-22 and DD-24 vibratory asphalt compactors. Offering high productivity and unsurpassed value, these machines feature industry-leading drum performance, superior propulsion characteristics, and unmatched operation intervals in a class-leading 2.5-tonne machine. Designed for optimum compaction of complex materials, the DD-22 and DD-24 provide high performance in a small package. Move your business and bottom line in the right direction with the DD-22 and DD-24.

| MODEL | DD-22 | DD-24 |
|--|--|--------------------------|
| MACHINE WEIGHTS | | |
| Operating Weight – lb (kg) | 5,400 (2450) | 5,725 (2600) |
| Weight @ Front Drum – lb (kg) | 2,700 (1125) | 2,863 (1300) |
| Weight @ Rear Drum – lb (kg) | 2,701 (1125) | 2,863 (1300) |
| Shipping Weight – lb (kg) | 5,070 (2300) | 5,400 (2450) |
| MACHINE DIMENSIONS | | |
| Length – in (mm) | 95 (2420) | 95 (2420) |
| Width – in (mm) | 39.4 (1000) | 47.2 (1200) |
| Height (top of steering wheel) – in (mm) | 75 (1909) | 75 (1909) |
| Height (top of ROPS / FOPS) – in (mm) | 103 (2621) | 103 (2621) |
| Drum Base – in (mm) | 68 (1720) | 68 (1720) |
| Curb Clearance – in (mm) | 9.8 (250) | 9.8 (250) |
| Inside Turning Radius (to drum edge) – in (mm) | 110 (2800) | 104 (2650) |
| DRUM | | |
| Width – in (mm) | 39 (1000) | 47 (1200) |
| Diameter – in (mm) | 28 (700) | 28 (700) |
| Shell Thickness – in (mm) | 0.5 (13) | 0.5 (13) |
| Finish | Machined | |
| VIBRATION | | |
| Frequency – vpm (Hz) | 3,300 / 4,020 (55 / 67) | 3,300 / 4,020 (55 / 67) |
| Nominal Amplitude – in (mm) | 0.02 (0.53) | 0.02 (0.53) |
| Centrifugal Force – lb (kN) | High 8,318 (37) Low 5,620 (25) | 8,992 (40) 6,295 (28) |
| PROPULSION | | |
| Type | Closed-loop hydrostatic | |
| Drum Drive | Radial piston | |
| Travel Speed – mph (km/h) | 0 – 6.2 (0 – 10) | 0 – 6.2 (0 – 10) |
| ENGINE | | |
| Make / Model | Cummins A1700 | Cummins A1700 |
| Engine Type | 3-cylinder diesel | |
| Rated Power @ 2,500 rpm – hp (kW) | 32 (24) | 32 (24) |
| Electrical | 12 V, 45 A alternator | |
| BRAKES | | |
| Service | Hydrostatic | |
| Parking Secondary | Spring-applied, hydraulic release on each drum | |
| WATER SYSTEM | | |
| Type | Pressurized | |
| Pumps | Electric diaphragm | |
| Spray Bars | 1 per drum, PVC | |
| Nozzles | 4 per spray bar | |
| Filtration | Inlet and nozzle filtration | |
| Drum Wipers | Spring-loaded, self-adjusting neoprene wipers | |
| Water Tank Capacity – gal (L) | 68 (260) | 68 (260) |
| MISCELLANEOUS | | |
| Articulation Angle | + / - 30° | + / - 30° |
| Oscillation Angle | + / - 10° | + / - 10° |
| Fuel Tank Capacity – gal (L) | 10.6 (40) | 10.6 (40) |
| Hydraulic Oil Capacity – gal (L) | 7.1 (27) | 7.1 (27) |
| Gradeability (theoretical) | 30% | 30% |

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



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.

PERFORMANCE FEATURES

- Dual amplitude drums
- Excellent visibility to drum edges at front and rear of machine
- High frequency (over 4,000 vpm) allows for maximum rolling speeds
- Liquid cooled 32-hp, 3-cylinder diesel engine
- Neoprene wipers to keep water on drum surface
- Pressurized water system with flow control; 4 nozzles per drum

AVAILABLE OPTIONS

- Biodegradable oil
- Dual drive levers
- Edge compactor and cutter
- Foldable ROPS assembly
- Hydraulic traction control
- Inside neoprene wipers
- Offset articulation joint (50 mm)
- Work and road light packages



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