



# 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
<b>MACHINE WEIGHTS</b>		
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)
<b>MACHINE DIMENSIONS</b>		
Length – in (mm)	95 (2420)	95 (2420)
Width – in (mm)	51 (1090)	43 (1290)
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)
<b>DRUM</b>		
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	
<b>VIBRATION</b>		
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)
<b>PROPULSION</b>		
Type	Closed-loop hydrostatic	
Drum Drive	Radial piston	
Travel Speed – mph (km/h)	0 – 6.2 (0 – 10)	0 – 6.2 (0 – 10)
<b>ENGINE</b>		
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	
<b>BRAKES</b>		
Service	Hydrostatic	
Parking Secondary	Spring-applied, hydraulic release on each drum	
<b>WATER SYSTEM</b>		
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)
<b>MISCELLANEOUS</b>		
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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