



# *DD-28HF & DD-34HF*

*Vibratory Compactors*



*Moving the  
World Forward*

# Ultra performance in a smaller package

Our DD-28 HF and DD-34 HF vibratory compactors offer high performance for both commercial and main-line paving contractors in all three critical areas of compaction: productivity, density and smoothness. Both models also have full-day fuel operation, large water capacity and high frequency, making efficiency a strength of this line.

MODEL	DD-28HF	DD-34HF
<b>MACHINE WEIGHTS W/ ROPS</b>		
Operating Weight – lb (kg)	6,840 (3102)	8,400 (3809)
Static Weight @ Front Drum – lb (kg)	3,130 (1419)	3,925 (1780)
Static Weight @ Rear Drum – lb (kg)	3,710 (1682)	4,475 (2029)
Shipping Weight – lb (kg)	6,330 (2871)	7,888 (8577)
<b>MACHINE DIMENSIONS</b>		
Length – in (mm)	101 (2556)	101 (2556)
Width – in (mm)	53.7 (1363)	58.5 (1485)
Height – Top Of Steering Wheel – in (mm)	71.9 (1826)	71.9 (1828)
Height – Top Of ROPS – in (mm)	99.5 (2527)	99.5 (2529)
Drum Base – in (mm)	67.9 (1725)	67.9 (1725)
<b>DRUM</b>		
Width – in (mm)	49.2 (1250)	54.1 (1375)
Diameter – in (mm)	29 (736)	29.1 (739)
Shell Thickness (nominal) – in (mm)	0.55 (14)	0.63 (16)
Finish	Machined / chamfered edge	
<b>VIBRATION</b>		
Frequency – vpm (Hz)	4,200 (70)	4,200 (70)
Centrifugal Force – lb (kN)	8,200 (36)	8,200 (36)
Nominal Amplitude – in (mm)	0.015 (.38)	0.013 (.33)
Lubrication	Oil splash	
Type System	Open-loop, series circuit	
Vibrating Drums	Both or front only	
Vibration Isolation	6 shear block isolators per drum	
<b>PROPULSION</b>		
Type System	Closed-loop, hydrostatic, Twin Lock	
Drum Drive	Pump: axial-piston; Motor: radial piston, low speed, high torque	
Speed Range – mph (km/h)	0 – 6.2 (0 – 10)	0 – 6.3 (0 – 10)
Gradeability (theoretical)	49%	38%
<b>ENGINE</b>		
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	
Electrical	12 V DC, negative ground; 40 A alternator	
Battery	800 CCA	800 CCA
<b>BRAKES</b>		
Service	Dynamic hydrostatic through propulsion system	
Parking / Secondary	Spring-applied, hydraulically released on each drum drive	
<b>STEERING</b>		
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)
<b>WATER SYSTEM</b>		
Type	Pressurized	
Pump	Electric, diaphragm	
Nozzle Quantity 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	
<b>MISCELLANEOUS</b>		
Fuel Capacity – gal (L)	18 (68)	18 (68)
Hydraulic Capacity – gal (L)	22.4 (84.8)	22.4 (84.8)
Oscillation	+ / - 10°	+ / - 10°
Curb Clearance – in (mm)	Vibration	23.9 (608)
	Traction	24.2 (616)
Side Clearance – in (mm)		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

- Comfort and safety**
  - Isolated vibratory drums and 4-point isolation of the operator platform minimize vibration feedback
  - Dual-side access, spring-applied, hydraulically released parking brake with test switch, Roll Over Protective Structure (ROPS), emergency stop switch, seat switch, and propulsion control with neutral start
- Gradeability and tractability**
  - The Twin Lock traction control and torque transfer system minimizes drum slippage, delivering superior drum control at all speeds and in both directions
- Industry-leading water system**
  - 79 gal (299 L) water tank, 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

## AVAILABLE OPTIONS

- Cocoa mats
- Edge compactor
- Foldable ROPS
- Gauge package
- Hazard and turn signals
- Hydraulic test ports
- Inside wipers
- Low fuel alarm
- Sound kit
- Special paint
- Steering knob
- Strobe light
- Urethane wipers
- Vandal cover
- Water strainer
- Work lights



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