

DD-28HF & DD-34HF ULTRA-PAC™ Vibratory Compactors



Smooth Pavement

The DD-28HF and DD-34HF vibratory compactors offer ultra-performance for both commercial and main-line paving contractors in the three critical areas of hot mix asphalt (HMA) compaction: productivity, density, and smoothness. Each ULTRA-PAC™ Series compactor has been manufactured to make you successful on every job.

Productivity

The ULTRA-PAC Series includes the most efficient compactors in the industry, equipped with full-day fuel operation, the greatest water capacity, and the highest vpm. Standard automatic water and vibration controls allow operators to maximize output on a daily basis.

Density

Plus, DD-28HF and DD-34HF compactors provide the highest drum outputs required to achieve maximum density and smoothness in fewer passes. The forces are matched proportionally to drum width for maximum productivity. Operators can choose front drum vibration only, double drum vibration, or static mode.

Smoothness

Each ULTRA-PAC model has the highest frequency in its class — 4,200 vpm (70 Hz). This frequency allows for optimum impact spacing at higher rolling speeds, providing a smooth, dense, quality pavement. The frequency of the compactors makes them the most productive class of compactors available.

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Specifications

ULTRA-PAC 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 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 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-28HF	DD-34HF
MACHINE WEIGHTS (W/ ROPS)		
Operating Weight – lb (kg)	6,840 (3100)	8,400 (3810)
Static Weight @ Front Drum – lb (kg)	3,130 (1420)	3,925 (1780)
Static Weight @ Rear Drum – lb (kg)	3,710 (1680)	4,475 (2030)
Shipping Weight – lb (kg)	6,330 (2870)	7,885 (3580)
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)	29.1 (739)
Drum Shell Thickness (nominal) – in (mm)	.55 (14)	.63 (16)
Finish	Machined / chamfered edge	
VIBRATION		
Frequency – vpm (Hz)	4,200 (70)	4,200 (70)
Centrifugal Force – lb (kN)	8,200 (36.5)	8,200 (36.5)
Nominal Amplitude – in (mm)	.015 (.38)	.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	
PROPULSION		
Type System	Closed-loop, hydrostatic, Twin Lock	
Drum Drive	Pump: axial-piston; Motor: radial piston, low speed, high torque	
Speed (forward & reverse) – mph (km/h)	0 – 6.2 (0 – 10)	0 – 6.2 (0 – 10)
Gradeability (theoretical)	49%	38%
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	
Electrical	12 V DC, negative ground; 40 A alternator	
Battery	800 CCA	
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)
Qty / 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	
MISCELLANEOUS SPECIFICATIONS		
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)	

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