

DD-130HF Vibratory Asphalt Compactor



The DD-130HF features dual 84 inch (2135 mm) wide drums with 3000 VPM (50.0 Hz) frequency for high performance capability on main line highway and other large paving jobs. The unit's 55 inch (1400 mm) drum diameter reduces rolling resistance and allows the drums to remain on top of thin lifts, tender mixes, or thick lifts of harsh mixes. Operating weight over 14.5 tons (13.4 metric tonnes) meets all state D.O.T. static rolling requirements. The DD-130HF has a nominal capacity to more than 360 tons (325 metric tonnes) of HMA per hour.

Standard Features

- 3000 VPM (50.0 Hz) allows for faster rolling speeds
- Eight-position variable amplitude settings
- Patented Impact Meter to provide consistent spacing of drum vibration impacts for uniform compaction of HMA
- Automatic reversing eccentric rotation
- Automatic vibration control with manual push button vibration switch located on propulsion lever
- Adjustable vibration on/off speeds of 0.5, 1.0, 1.5, 2.0 mph (0.8, 1.6, 2.4, 3.2 km/hr)
- Two complete, independent water systems with triple water filtration, four water pumps four spray bars and variable water flow; automatic water control.
- Polyethylene water tanks, 310 gallon (1173 liter) capacity
- Water level indicator, lighted for night operation
- Five-position rotating operator's module with adjustable seat
- Six-cylinder turbocharged and aftercooled diesel engine
- Machined drums, chamfered drum edges
- Standard ROPS/FOPS and seat belt

DD-130HF Specifications

Machine Weights (with ROPS/FOPS)

Operating Weight	29,640 lb.	(13440 kg)
Static Weight		
at Front Drum	15,505 lb.	(7030 kg)
at Rear Drum	14,135 lb.	(6410 kg)
Shipping Weight	27,180 lb.	(12330 kg)

Machine Dimensions

Overall Length	231 in.	(5865 mm)
Overall Width	92 in.	(2345 mm)
Overall Height		
top of steering wheel	95 in.	(2420 mm)
top of ROPS/FOPS	126 in.	(3190 mm)
Drum Base	135 in.	(3425 mm)
Curb Clearance	21 in.	(520 mm)
Outside Turning Radius (to drum edge)	256 in.	(6495 mm)

Drums

Drum Width	84 in.	(2135 mm)
Drum Diameter	55.1 in.	(1400 mm)
Shell Thickness	0.75 in.	(19 mm)
Finish	Machined/chamfered edges	

Vibration

Frequency	3,000 vpm	(50.0 Hz)
Centrifugal Force		
Max/drum	36,800 lb.	(164 kN)
Min/drum	8,077lb.	(36.1 kN)
Amplitude Settings	Eight	
Nominal Amplitude		
maximum	.025 in.	(.63 mm)
minimum	.005 in.	(.12 mm)

Propulsion

Type System	Closed-loop hydrostatic	
Drum Drive (both drums)	Low speed, high torque	
Speed	0-6.9 mph	(0-11.1 km/hr)
Gradeability (theoretical)	31%	

Engine

Make & Model	Cummins B5.9-C	
Rated Power @ 2200 rpm	173 hp	(129 kW)
Electrical System	12-volt DC, negative ground	

Brakes

Service	Dynamic hydrostatic through propulsion system	
Parking/Secondary	Spring-Applied Hydraulically-Released (SAHR) on each drum	

Steering

Design	Centerpoint articulation	
Type System	Hydrostatic	
Articulation Angle	± 35°	

Water System

Type Pump	Pressurized, electric diaphragm pumps with variable flow control	
Nozzles	8 per drum primary 7 per drum auxiliary	
Filters	Three	
Tank Capacity	310 gal.	(1173 liters)

Miscellaneous Specifications

Fuel Capacity	63 gal.	(238 liters)
Hydraulic Oil Capacity	42 gal.	(159 liters)
Oscillation Angle	±10°	

Selected Options

- Back-up alarm
- Beacon light
- Custom painting
- Cocoa mats
- Front and rear working lights
- HID night operating lights
- Infrared temperature sensor
- Inside wiper bars
- Speed limiter
- Contact factory for additional options

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