

DD-125HF Vibratory Asphalt Compactor



The DD-125HF features dual 84 inch (2135 mm) wide drums with 3200 vpm (53.3 Hz) frequency for high performance capability on main line highway and other large paving jobs. Operating weight of 14 tons (12.7 metric tonnes) meets all state D.O.T. static rolling requirements. The DD-125HF has a nominal capacity to more than 385 tons (240 metric tonnes) of HMA per hour.

High Frequency rollers allow for faster rolling speeds while maintaining proper impact spacing. Ingersoll-Rand's patented eccentric system allows for versatility of multiple amplitudes at a consistent high speed of 3200 vpm (53.3 Hz).

Standard Features

- Eight variable amplitude settings
- Automatic reversing eccentrics
- Patented impact spacing meter to provide consistent, uniform compaction of asphalt
- Two complete and independent water systems with triple water filtration, four water pumps, four spray bars and variable water flow
- Non-corrosive polyethylene water tanks, 310 gallon (1172 liters) capacity
- Automatic water control
- Water level indicator
- Five-position rotating operator's console for excellent visibility
- Automatic vibration control with manual push button vibration switch located on propulsion lever
- 3/4, 1-1/4, 1-3/4, or 2 mph (1.2, 2, 2.8, 3.2 km/hr) automatic vibration on/off speed settings
- Machined drums, chamfered drum edges
- ROPS/FOPS and seat belt

DD-125HF Specifications

Machine Weights (with ROPS/FOPS)

Operating Weight	28,043 lb.	(12718 kg)
Static Weight at Front Drum	14,683 lb.	(6659 kg)
Static Weight at Rear Drum	13,360 lb.	(6059 kg)
Shipping Weight	25,581 lb.	(12718 kg)

Machine Dimensions

Overall Length	227 in.	(5765 mm)
Overall Width	92 in.	(2435 mm)
Overall Height (top of steering wheel)	95 in.	(2413 mm)
Overall Height (top of ROPS/FOPS)	124 in.	(3175 mm)
Drum Base	135 in.	(3430 mm)
Curb Clearance	21 in.	(535 mm)
Outside Turning Radius	256 in.	(6495 mm)

Drum

Drum Width	84 in.	(2135 mm)
Drum Diameter	54 in.	(1372 mm)
Shell Thickness (nominal)	0.75 in.	(19 mm)
Finish	Machined/chamfered edges	

Vibration

Frequency	3200 vpm	(53.3 Hz)
Centrifugal Force		
Max/drum	35,189 lb.	(157 kN)
Min/drum	9,888 lb.	(44 kN)
Amplitude Settings	Eight	
Nominal Amplitude		
Max	.025 in.	(0.64 mm)
Min	.007 in.	(0.18 mm)

Propulsion

Type System	Closed-loop hydrostatic	
Drum Drive (both drums)	Low speed, high torque	
Speed	0-8.0 mph	(0-12.5 km/hr)
Gradeability (theoretical)	27%	

Engine

Make & Model	Cummins B5.9-C	
Rated Power	148 hp (130 kW)@ 2200 rpm	
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 (hand-serviceable)	8 main, 7 aux per drum	
Filters	Three	
Tank Capacity	310 gal.	(1172 liters)

Miscellaneous Specifications

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

Options

- Back-up alarm
- Beacon light
- Cocoa mats
- Front and rear working lights
- Biodegradeable oil
- HID night operating lights
- Infrared material temperature sensor
- Inside wiper bars
- Speed limiter

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale products shall be in accordance with Ingersoll-Rand's standard terms and conditions of sale for such products, which are available upon request.



Ingersoll-Rand Company

Road Machinery
312 Ingersoll Drive
Shippensburg, PA 17257
www.road-development.irco.com
www.lightcompaction.com