

CS-563E

Vibratory Soil Compactor



Vibratory System

Pod-style eccentric weights ensure peak compaction performance and minimal service. High dynamic force helps achieve density in the fewest number of passes.

Caterpillar® 3056E Turbocharged Electronic Diesel Engine

Cat® 3056E turbocharged electronic diesel engine delivers 112 kW (150 hp) and is built for performance and reliability without sacrificing fuel economy.

Dual Pump Propel System

The exclusive dual pump propel system provides a separate balanced hydraulic flow to both the rear drive axle and the front drum drive motor. Dual pumps also minimize drum and wheel spin-out in low traction conditions.

One-Piece Sloped Hood Design

The one-piece sloped hood design provides exceptional operator visibility to the outside edge of the rear tires and to the rear of the machine.

Operator's Station

A tilting steering column, propel lever wrist rest, grouped control gauges and conveniently located control switches enhance operator productivity and reduce fatigue. New steering wheel with integrated center horn function and steering knob helps reduce operator fatigue. Machines with the open ROPS/FOPS platform are surrounded by handrails and features angled foot rests for sure footing when working on a grade.

Leveling Blade

The high traction propel system means the machine can go more places and push more material with the optional foot-controlled leveling blade.

Padfoot Shell Kit

The optional padfoot shell kit makes the CS-563E an extremely adaptable machine when compacting cohesive or semi-cohesive materials.

Reliability and Serviceability

The newly designed one-piece fiberglass hood tilts forward to allow access to the engine and daily maintenance points. Daily check points are accessible from ground level. Vibratory bearing lube service interval of 3 year/3000 hour keeps maintenance to a minimum and maximizes production. The articulation hitch area features sealed-for-life bearings that never need maintenance.

Patented Eccentric Weights

Standard dual amplitude expands the compactor's application range. The large spread between high and low centrifugal force makes it easier to tailor the compactive effort to density specifications.

Open Platform with ROPS/FOPS Canopy

Spacious and comfortable working environment with unrestricted visibility to the drum and tire edge and to the side and rear of the machine. The platform is enclosed by handrails.

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Specifications

Engine		
Gross Power	112 kW	150 hp
Engine Model	CAT 3056E ATAAC	
Net Power - EEC 80/1269	107 kW	143 hp
Net Power - ISO 9249	107 kW	143 hp
Net Power - SAEJ1349	106 kW	142 hp
Bore	100 mm	3.94 in
Stroke	127 mm	5 in

Weights

Operating Weight w/ROPS/FOPS	11 120 kg	24,520 lb
Weight at Drum w/ROPS/FOPS	5840 kg	12,877 lb
Shipping weight w/ROPS/FOPS	11 450 kg	25,247 lb

- Operating weight with ROPS/FOPS canopy.
- Weight at drum with ROPS/FOPS canopy.
- Shipping weight with ROPS/FOPS cab.

Operating Specifications

Drum Width	2130 mm	84 in
Travel Speed (Maximum)	11.4 kph	7 mph
Turning Radius Inside Drum Edge	3680 mm	144.88 in
Turning Radius Outside Drum Edge	5810 mm	228.74 in
Ground Clearance	448 mm	17.6 in
Curb Clearance	497 mm	19.6 in
Blade Cutting Depth	127 mm	5 in

- Travel speed at high range.

Dimensions

Drum Diameter - Over Drum	1524 mm	60 in
Overall Length	5760 mm	226.77 in
Overall Length w/Blade	6600 mm	259.84 in
Overall Width	2290 mm	90.16 in
Height w/ROPS/FOPS	3070 mm	120.87 in.
Blade height	680 mm	27 in
Wheelbase	2.9 mm	9.5 in

Tires

Tires	587 mm (23.1") x 660 mm (26") 8-ply floatation	
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Service Refill Capacities

Fuel Tank Capacity	300 L	79 gal
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Vibratory System

Vibratory Frequency	31.9 Hz	1914 vpm
Nominal Amplitude - High	1.7 mm	.067 in
Nominal Amplitude - Low	.85 mm	.033 in
Centrifugal Force Maximum	266 kN	60,000 lb
Centrifugal Force Minimum	133 kN	30,000 lb

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Materials and specifications subject to change without notice.

Featured machines in photo may include additional equipment.

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