

**CS563E
CP563E**
Vibratory Soil
Compactors



Cat® 3056E ATAAC Turbocharged Diesel Engine

Gross Power	112 kW/150 hp
Drum Width	2134 mm
Operating Weight (with ROPS/FOPS cab)	
CS563E	12 130 kg
CP563E	11 880 kg

Productivity and Reliability in a Durable Package

The CS563E and CP563E Soil Compactors offer high compaction performance, speed and gradeability to maximize productivity while providing exceptional reliability and durability.

Engine

Cat 3056E ATAAC turbocharged electronic diesel engine delivers 112 kW (150 hp) and is built for performance and reliability without sacrificing fuel economy. **pg. 4**

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. **pg. 5**

Operator's Station

The 500E-Series Soil Compactors feature excellent operator comfort and visibility. A tilting steering column, propel lever wrist rest, grouped control gauges and conveniently located control switches enhance operator productivity and reduce fatigue. Four heavy-duty isolation mounts provide a smooth ride. Standard rearview mirrors, two front-facing and two rear-facing working lights are provided. The 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. **pg. 6**

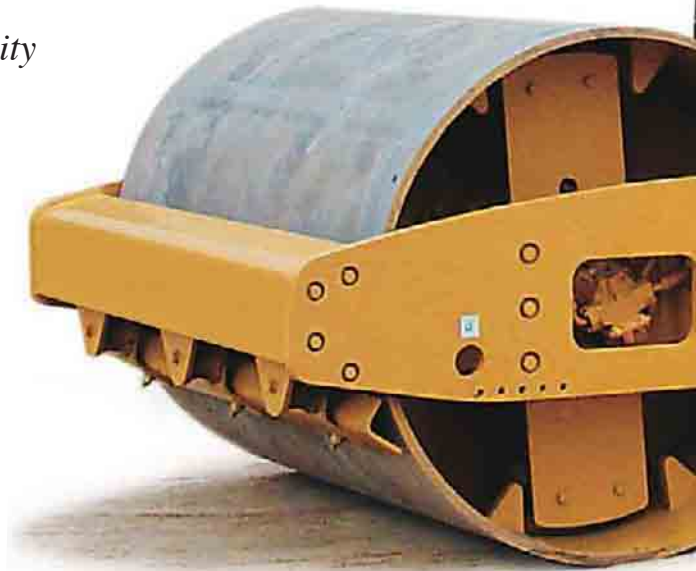
Gradeability and Machine Control

The exclusive dual pump propel system provides a separate balanced hydraulic flow to both the rear drive axle and the front drum drive motor. This unique dual pump propel system provides excellent grade climbing, machine control and tractive power for effective use of the leveling blade option. Dual pumps also minimize drum and wheel spin-out in low traction conditions. High working speeds increases productivity. **pg. 8**

Performance and reliability you can depend on.

Based upon the industry-proven reputation of the Caterpillar® 500D-Series Soil Compactors, the 500E-Series establishes new standards for productivity and reliability in the soil compaction industry.

Durable Cat power train, field-proven hydraulic and vibratory systems and the world's largest and most dedicated dealer support system ensure the 500E-Series Soil Compactors will provide maximum utilization.



Versatility

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. **pg. 5**

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. **pg. 9**

Visibility

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 for improved safety. **pg. 7**

Padfoot Shell Kit

The optional padfoot shell kit makes the CS563E an extremely adaptable machine when compacting cohesive or semi-cohesive materials. **pg. 9**

Serviceability

The one-piece fiberglass hood tilts forward to allow access to the engine and daily maintenance points. Daily check points are accessible from ground level. Rear mounted cooling system allows easy access for cleaning. The hydraulic oil cooler tilts down for convenient access and easier cleaning. Steps to the operator's platform swing-out for easier access to hydraulic components and oil filters. The operator's platform tilts forward to provide convenient access to the hydraulic components. 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. **pg. 10**

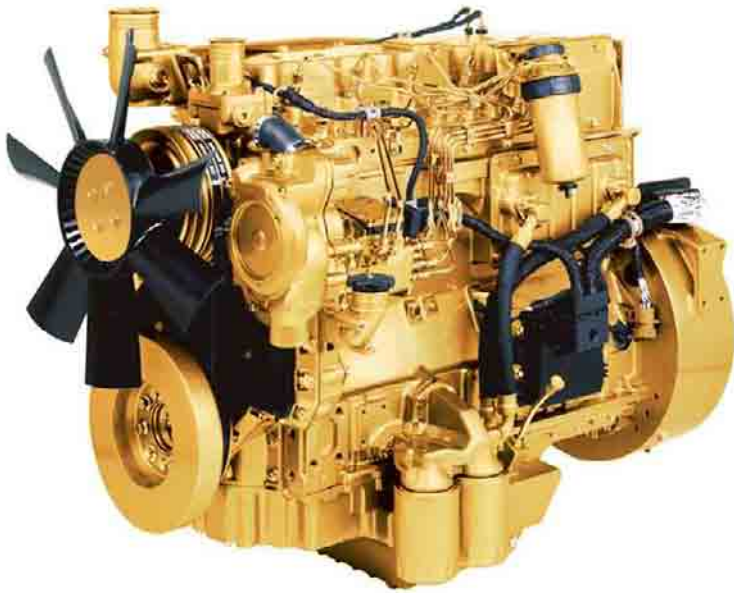


Comfort and serviceability you deserve.

The operator's station provides a comfortable and easy-to-use environment that promotes productive operation. Simplified service access and extended service intervals minimizes maintenance time and increases productive work time.

Caterpillar 3056E ATAAC Turbocharged Electronic Diesel Engine

Industry-proven Caterpillar technology designed to provide unmatched performance, reliability and fuel economy with ample power for the most demanding jobs.



Turbocharged air-to-air aftercooling. It provides improved fuel economy by packing cooler, denser air into cylinders for more complete combustion of fuel and lower emissions.

Electronic Control Module. The Electronic Control Module (ECM) provides improved emissions and optimal performance through electronic timing and fuel delivery along with advanced troubleshooting and diagnostic capabilities using Electronic Technician (ET).

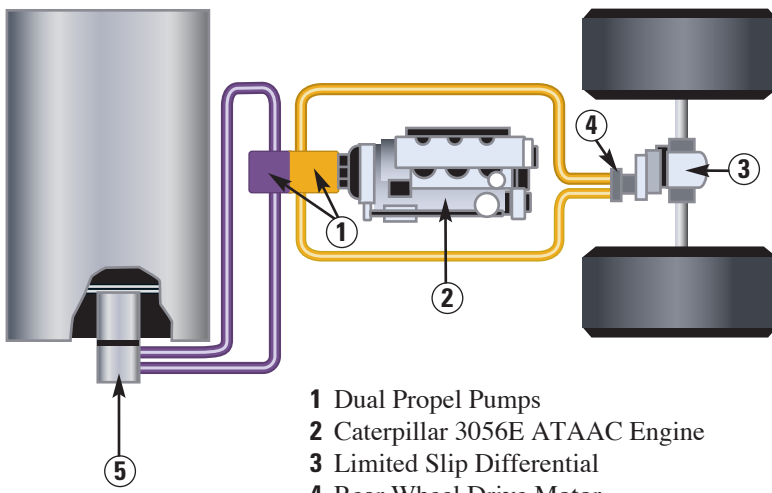
Highly-efficient combustion chamber. It increases power while lowering fuel consumption, engine emissions and noise.

High displacement-to-power ratio. It ensures long life and provides outstanding reliability and durability.

Oil cooler. The large oil cooler reduces oil deterioration and varnishing of internal components. Allows for 500 hour engine oil change intervals.

Dual Pump Propel System

Superior tractive effort and gradeability for outstanding productivity in demanding applications.



Dual propel pumps. Dual propel pumps provide separate, balanced hydraulic flow to the rear wheel axle and the drum drive motors. Provides superior gradeability on steep slopes and increases tractive effort in loose or poor underfoot conditions.

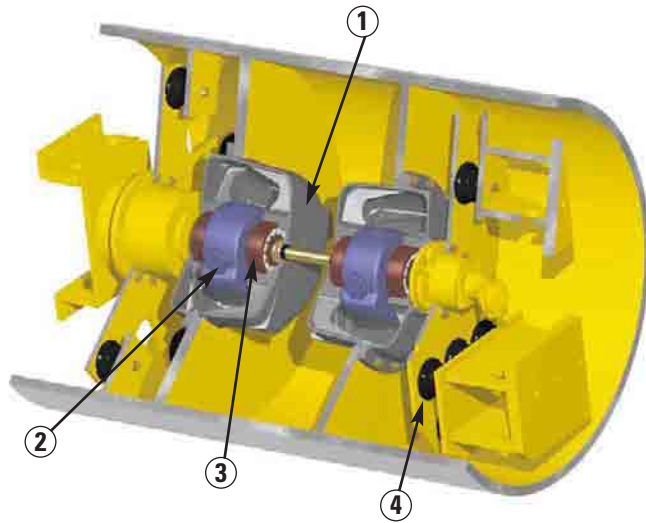
Limited slip differential. It provides balanced tractive effort and smooth torque transfer to both rear wheels.

Speed ranges. Two speed ranges for versatile operation. Low speed range for vibratory operation and maximum torque when climbing grades. High speed range moves machine quickly over longer distances.

Valves. Flushing valves in each propel circuit helps keep hydraulic oil cool and clean for maximum system efficiency.

Vibratory System

The pod-style vibratory system, delivers superior compactive force while offering serviceability advantages.



- 1 Pod-style Weight Housings
- 2 Patented Eccentric Weights
- 3 Heavy-duty Bearings
- 4 Isolation Mounts

Pod-style weight housings. They are assembled and sealed at the factory to ensure cleanliness, longer bearing life and easier field exchange or service.

Dual amplitude. Dual amplitude works efficiently in a wider range of applications. High or low amplitude is selected from the operator's station.

Vibratory frequency. Vibratory frequency of 31.9 Hz for high compaction results. Optional variable frequency control available with a frequency range from 23.3-31.9 Hz allows frequency to be better matched to varying job conditions.

Heavy-duty bearings. Large heavy-duty bearings for the eccentric weight shaft designed for high compactive forces.

Service interval. 3 year/3000 hour vibratory bearing lube service interval for reduced maintenance.

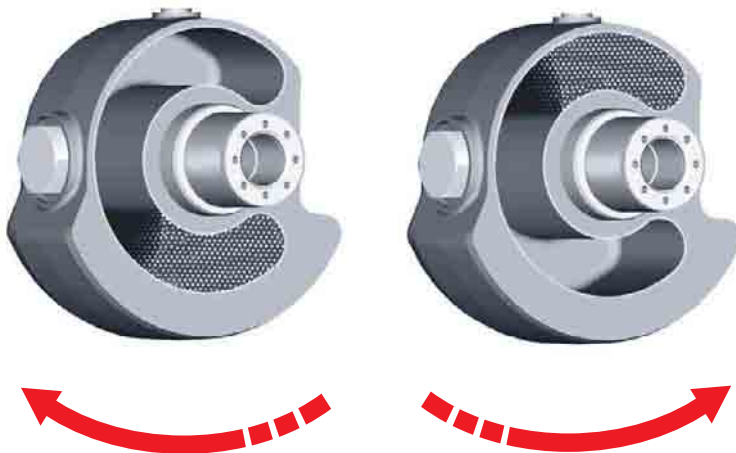
Isolation mounts. Improved isolation mounts allow more force to be transmitted to the ground and less vibration to the drum yoke.

Patented Eccentric Weights

Reliable dual amplitude selection and innovative design ensure precise performance.

High Amplitude

Low Amplitude



Amplitude selection. Positive amplitude selection is accomplished when the steel shot is repositioned inside the hollow eccentric weight. Direction of weight shaft rotation determines amplitude level.

High reliability. High reliability since there is no chance of the high-strength spherical steel shot wedging together. System reliability is superior to swinging mechanical weights and is also quieter during starts and stops.

Simplified control. Simplified control from the operator's station with a selection switch on the operator's console.

Longer service life. No heavy weights to slam together, no metal fragments to contaminate the bearing lubrication system.

Operator's Station

Ergonomically designed for maximum operator productivity while offering excellent visibility and unmatched comfort.



Seat. The comfortable and durable seat has adjustable fore/aft position, bottom cushion height, suspension stiffness and flip-up arm rests with a 76 mm wide retractable seat belt.

Operator's station. The isolated operator's station with four heavy-duty rubber mounts limits machine vibration transmitted to the operator's station.

Floor mat. Rubber floor mat provides sure footing and helps further isolate the operator from machine vibration and noise.



Operational gauges. Steering console and instrumentation gauges are infinitely adjustable within the tilt range to the desired position of the operator. Entire console tilts for simple entrance and exit.

Instrument panel. Machine gauges are located on the adjustable front steering column for easy reference during machine operation. The instrument panel contains the fuel gauge, vibrations per minute (VPM) meter (optional) and a nine-light LED fault indication panel.

Indication panel. Fault indication panel is a three-level warning system to alert the operator to abnormal machine conditions with a visual warning and action alarm.



Single lever control. The single lever control for propel and vibratory On/Off provides simple and low effort operation. A padded adjustable wrist rest provides comfort.

Control panel. The control panel with grouped switches puts all controls within easy operator reach.

Storage. Convenient storage compartment for storing operator's personal items.

ROPS/FOPS Cab

Optional cab can increase machine utilization in extreme environment conditions and the ergonomic design emphasizes comfort, visibility and easy operation.



Cab. The cab is a spacious and comfortable work environment that includes large windows, more interior room with storage areas, better ergonomics and a dramatic reduction in interior sound levels.

Windshield. Full-length glass windshield provides exceptional visibility to the drum and optional leveling blade.

Mirrors. Two exterior rear view mirrors, front and rear working lights included with cab.

Wipers. Windshield wipers on front and rear windows allow clear vision in adverse conditions.

Windows. Slide-open side windows for cross ventilation.

Climate control. The climate control with standard heater and defroster for maximum operator comfort. Optional air conditioning helps keep the cab cool and comfortable.

One-Piece Sloped Hood Design

The one-piece sloped fiberglass hood design provides excellent service access and exceptional operator visibility.



Visibility. The visibility to the tire edges and rear of machine is exceptional. The sloped hood allows the operator to see obstacles measuring 1 meter high located 1 meter to the rear of the machine. Excellent visibility increases productivity when working near obstructions or maneuvering around the job site.

Lockable engine hood. The one-piece lockable engine hood opens quickly and easily with the use of gas struts to provide unrestricted access to the engine, cooling system and all service points.

Sound levels. Low sound levels for the operator and the ground crew due to the one-piece engine hood and revised cooling air flow through the rear mounted radiator.

Gradeability and Machine Control

The exclusive dual pump propel system, proven reliable on 500D-Series Soil Compactors, provides superior performance, machine control and exceptional grade climbing capability.



Propel pump system. The two propel pump system has dedicated pumps to drive the heavy-duty, high-torque rear wheel and drum motors independently. Should the drum or wheels begin to spin, there is always hydraulic flow to the non-spinning motor, allowing continuous tractive effort.

Controllability. Controllability is another feature of dual propel pumps. The operator has complete machine control to stop, maintain machine position and change directions while on a slope. This feature is especially useful on steep slopes and loose underfoot conditions.

Pressure valve. The pressure override (POR) valve limits maximum system pressure by de-stroking the propel pumps. This reduces pump flow while maintaining system pressure. This lowers the horsepower draw while accelerating the machine which saves fuel.

Padfoot Drum and Scrapers

Padfoot drums provide superior performance when compacting clays. Heavy-duty scrapers break materials away from the drum surface to allow for deep penetration of the padfeet.



Padfoot drum. The padfoot drum has 140 pads welded on the drum in a chevron arrangement.

Pad measurement. Each pad is 127 mm high and has a pad face surface area of 89.4 cm² to achieve high ground contact pressure for maximum compaction.

Clean themselves. The pads are involuted to walk out of the lift without fluffing or “kicking up” the soil around the pads. Pads are tapered to help clean themselves.

Heavy-duty scrapers. The heavy-duty scrapers mounted on the front and rear of the drum are individually adjustable and replaceable. Helps to reduce excessive material build up between the pads.

Leveling Blade

Optional leveling blade increases machine versatility and utilization, plus greatly enhances productivity.



Machine versatility and utilization. Expands machine versatility and utilization for use in material knockdown, site leveling, trench backfilling and light dozing applications.

Blade control. Blade position is controlled by operator's right foot, leaving the operator's hands free to control machine propel and steering.

Dual propel pumps. The dual propel pumps provide plenty of power and tractive effort for effective blade use without drum spin.

Cutting edges. Two-piece reversible and replaceable cutting edges increase edge service life and reduce replacement costs.

Curb and obstruction. High mounting point provides superior curb and obstruction clearance.

Blade. No special permits for transporting with a blade width of 2500 mm.

Padfoot Shell Kit

Optional padfoot shell kit expands the application range of the CS563E to work in either cohesive or semi-cohesive material.



Versatility and utilization. Expands machine versatility and utilization while providing a simple and cost-effective solution for jobs that may require both padfoot and smooth drum compaction.

Bumper. The bumper provides adjustable scraper teeth. The bumper can also accept the optional leveling blade which increases machine versatility even further.

Padfoot shell halves. Padfoot shell halves can be quickly and easily installed or removed in about an hour with the use of an approved lifting device.

Reliability and Serviceability

The 500E-Series Soil Compactors continue to provide exceptional reliability and serviceability that you've come to expect from Caterpillar.



The one-piece fiberglass hood tilts forward for exceptional access to the engine and cooling system. Daily service points are accessible from ground level and are grouped on one side of the machine.

Hydraulic test. Quick connect hydraulic test ports simplify system diagnostics.

Ecology drains. Ecology drains provide an environmentally safer method to drain fluids. They are included on the radiator, engine oil pan, hydraulic and fuel tank.

Simple fluid collection. S•O•SSM (Scheduled Oil Sampling) ports allow for simple fluid collection of engine and hydraulic oil.

Hose routing. Secure hose routing with polyethylene mounting blocks to reduce rubbing and increase service life.

All-weather connectors. Nylon braided wrap and all-weather connectors ensure electrical system integrity. Electrical wiring is color-coded, numbered and labeled with component identifiers to simplify troubleshooting.

Caterpillar batteries. Maintenance-free Caterpillar batteries are protected by bolt-on covers in the rear of the machine on both sides. Caterpillar batteries are specifically designed for maximum cranking power and protection against vibration.

Product Link. The machine is Product Link wire-ready. The Caterpillar Product Link System (CPLS) ensures maximum uptime and minimum repair costs by simplifying tracking of equipment fleets. Provides automatic machine location and hour updates. Can be obtained through your local Caterpillar dealer.

Indicators. Visual indicators allow easy check of engine coolant, hydraulic oil tank level and air filter restriction.

Swing-out steps. Swing-out steps allow easy access to hydraulic components and oil filters.

Operator's station. The operator's station tilts forward to allow convenient access to the hydraulic pumps.

Cooling system. The rear mounted cooling system provides easy access for cleaning. Hydraulic oil cooler tilts rearward for additional access to the radiator.

Bearings. Sealed-for-life bearings in the articulation hitch never need to be greased.

Oil. 500 hour engine oil change interval.

Service interval. 3 year/3000 hour vibratory bearing lube service interval for reduced maintenance.

Engine

Four-stroke cycle, six cylinder
Caterpillar 3056E ATAAC electronic
turbocharged low emissions diesel
engine.

Ratings at 2200 rpm	kW	hp
Gross power	112	150
Net Power		
EEC 80/1269	107	143
ISO 9249	107	143

Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator. No derating required up to 3000 m altitude.

Dimensions

Bore	100 mm
Stroke	127 mm
Displacement	6 liters

Dual-element, dry-type air cleaner with visual restriction indicator, thermal starting aid and fuel/water separator are standard.

Steering

A priority-demand hydraulic power-assist steering system provides smooth low-effort steering. The system always receives the power it needs regardless of other hydraulic functions.

Minimum turning radius:

Inside	3680 mm
Outside	5810 mm

Steering angle

(each direction) $\pm 34^\circ$

Oscillation angle

(each direction) $\pm 15^\circ$

Hydraulic system

Two 76 mm bore, double-acting cylinders powered by a gear-type pump.

Transmission

Two variable displacement piston pumps supply pressurized flow to two dual displacement piston motors. One pump and motor drives the drum propel system while the other pump and motor drives the rear wheels. The dual pump system ensures equal flow to the drive motors regardless of the operating conditions. In case the drum or wheels lose traction, the other motor can still build additional pressure to provide added torque.

The drive motors have two swashplate positions allowing operation at either maximum torque for compaction and gradeability or greater speed for moving around the job site. A rocker switch at the operator's console triggers an electric over hydraulic control to change speed ranges.

Speeds (forward and reverse)

CS563E	
Low Range	5.7 km/h
High Range	11.4 km/h
CP563E	
Low Range	5.8 km/h
High Range	11.6 km/h

Gradeability with or without vibration
(subject to underfoot conditions) 55%

Final Drives and Axle

Final drive is hydrostatic with gear reducer to the drum and hydrostatic with differential and planetary gear reduction to each wheel.

Axle

Heavy-duty fixed rear axle with a limited slip differential for smooth and quiet torque transfer.

Tires

587 mm x 660 mm (23.1" x 26")	
CS563E	8-ply flotation
CP563E	10-ply traction

Ballasted with 30-35% calcium chloride/water solution, approximately 430 liters per tire.

Brakes

Service brake features

Closed-loop hydrostatic drive system provides dynamic braking during operation.

Secondary brake features*

Spring-applied/hydraulically-released multiple disc type brake mounted on the drum drive gear reducer. Secondary brakes are activated by: a button on the operator's console; loss of hydraulic pressure in the brake circuit; or when the engine is shut down. A brake interlock system helps prevent driving through the secondary brake.

* All machines sold within European Union are equipped with a brake release pump which allows the manual release of the secondary brake system for towing the machine.

Braking system meets EN 500.

Sound

Operator Sound. The operator sound level measured according to the procedures specified in ISO6394 is 81 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.

Exterior Sound. The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 111 dB(A).

Instrumentation

Electronic Control Module (ECM) constantly monitors condition of the engine. Alerts the operator if a problem does occur with three levels of warning. Warning system includes: Action Alarm and Lamp, Low Engine Oil Pressure, High Engine Coolant Temperature, High Hydraulic Oil Temperature, Low Charge Pressure, Starting Aid and High Combustion Air Temperature. Instrumentation also includes an Alternator Malfunction Light, Check Engine/Electrical Fault, Service Hour Meter and Fuel Gauge.

Operator and Machine Protective Equipment

Backup Alarm – 107 dB(A) alarm sounds whenever the machine is in reverse.

Forward Warning Horn – located on the front of machine to alert ground personnel.

Seat Belt – 76 mm wide seat belt is standard.

Electrical

The 24-volt electrical system consists of two maintenance-free Cat batteries, electrical wiring is color-coded, numbered, wrapped in vinyl-coated nylon braid and labeled with component identifiers. The starting system provides 750 cold cranking amps (cca). The system includes a 55-amp alternator.

Frame

Fabricated from heavy gauge steel plate and rolled sections and joined to the drum yoke at the articulation pivot. Articulation area is structurally reinforced and joined by hardened steel pins. One vertical pin provides a steering angle of $\pm 34^\circ$ and a horizontal pin allows frame oscillation of $\pm 15^\circ$. Safety lock prevents machine articulation when placed in the locked position. Sealed-for-life hitch bearings never need maintenance. Frame also includes tie-down points for transport.

Service Refill Capacities

	Liters
Fuel tank	300
Full fuel capacity	330
Cooling system	26
Engine oil with filter	12
Eccentric weight housings	26
Axle and final drives	18
Hydraulic tank	64
Filtration system (pressure type)	
Propel	15 micron absolute
Vibratory	15 micron absolute

Operating Weights

Weights shown are approximate and include lubricants, coolant, full fuel and hydraulic tanks and a 80 kg operator.

	CS563E kg	CP563E kg
Open platform	11 630	11 335
ROPS/FOPS canopy	11 830	11 555
ROPS/FOPS cab	12 130	11 880
equipped with shell kit	13 750	–
equipped with leveling blade*	12 120	12 555
equipped with leveling blade and shell kit*	13 740	–
Weight at Drum		
ROPS/FOPS cab	6850	6160

* When equipped with leveling blade, the CS563E yoke cross tube and front bumper are not ballasted

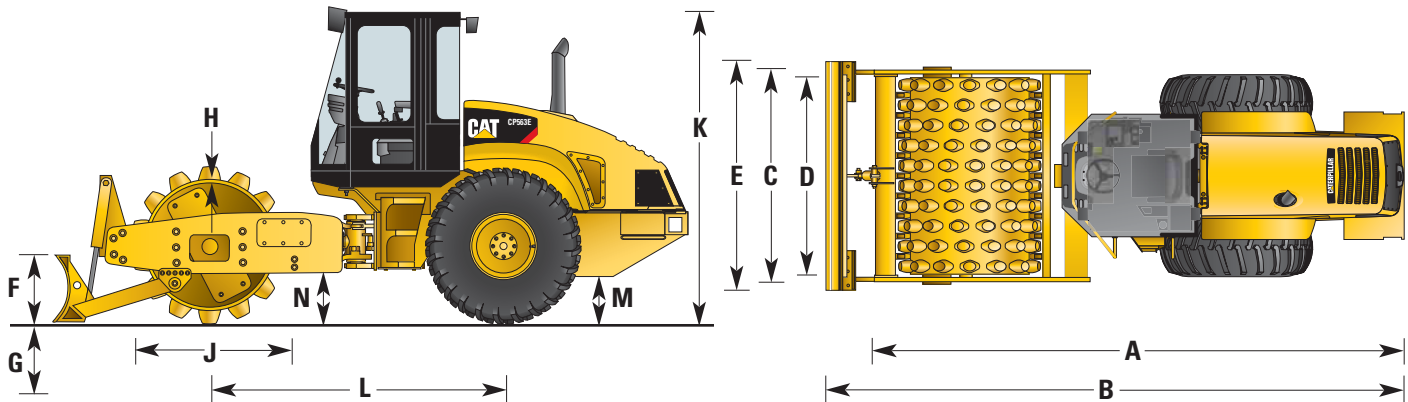
Vibratory System

Drum width	2134 mm
Drum shell thickness	
CS563E	30 mm
CP563E	25 mm
Drum diameter	
CS563E	1524 mm
CP563E	1295 mm
Drum diameter over pads (CP563E only)	1549 mm
Pads (CP563E only)	
Number of pads	140
Pad height	127 mm
Pad face area	89.4 cm ²
Number of chevrons	14
Eccentric weight drive	Hydrostatic
Weight at Drum (with ROPS/FOPS cab)	
CS563E	6850 kg
CP563E	6160 kg
Static Linear Load*	32.2 kg/cm
Frequency	
Standard	31.9 Hz
Optional	23.3-31.9 Hz
Nominal Amplitude	
High	1.7 mm
Low	0.85 mm
Centrifugal Force at 31.9 Hz	
Maximum	266 kN
Minimum	133 kN

* Meets NFP 98736 class: VM3

Dimensions

All dimensions are approximate.



	CS563E mm	CP563E mm		CS563E mm	CP563E mm
A Overall length	5760	5760	J Drum diameter	1524	1295
B Length with blade	6300	6300	Drum diameter over pads	–	1549
C Overall width	2290	2290	K Height at ROPS/FOPS canopy	3060	3070
D Drum width	2130	2130	Height at ROPS/FOPS cab	3070	3070
E Width with blade	2500	2500	L Wheelbase	2900	2900
F Blade height	680	680	M Ground clearance	448	456
G Blade cutting depth	127	120	N Curb clearance	497	505
H Drum shell thickness	30	25	Inside turning radius	3680	3680
			Outside turning radius	5810	5810

Total Customer Support System

Service capability. Most dedicated dealer support system to ensure fast service whether at the dealer’s shop or in the field by trained technicians using the latest tools and technology.

Parts availability. Most parts on dealer’s shelf when you need them. Computer-controlled, emergency search system backup.

Parts stock lists. Dealer helps you plan on-site parts stock to minimize your parts investment while maximizing machine availability.

Literature support. Easy-to-use parts books, operation and maintenance manuals and service manuals to help you get maximum value from your Caterpillar equipment.

Remanufactured parts. Pumps and motors, pod-style weight housings, engines, fuel system and charging system components available from dealer at a fraction of new part cost.

Machine management services. Effective preventive maintenance programs, cost-effective repair options, customer meetings, operator and mechanic training.

Flexible financing. Your dealer can arrange attractive financing on the entire line of Caterpillar equipment. Terms structured to meet cash flow requirements. See how easy it is to own, lease or rent Cat equipment.

Estimated Production

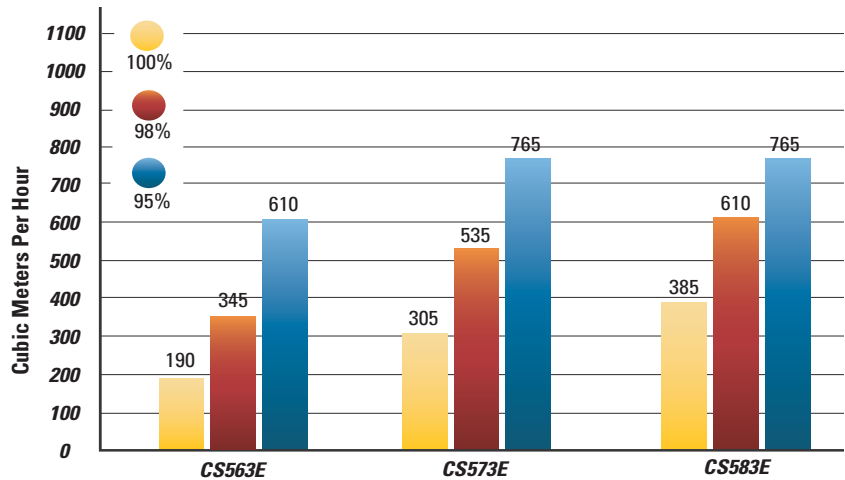
	Depth mm	Density %	150/300 mm Layers
Surface	0-500	>98	190/380 m ³ /h
Shallow	500-3000	95-98	345/610 m ³ /h
Deep	>3000	90-95	610/1150 m ³ /h

Based on depth of fill below final grade (surface)

Based on final compacted thickness of layer

Density spec. is based on Standard Proctor Test

Productivity Comparisons



% Compaction of Standard Proctor
150 mm Crushed Limestone Base

Results are similar for padfoot drums.
Results may vary for different applications.

Machine Selection

Application	Layer Thickness mm	Smooth Drum			Padfoot Drum
		CS563E	CS573E	CS583E	CP563E
Sand, Clayey or Silty Sand, Mine Tailing	150-300	●	▲	□	□
	300-450	▲	●	▲	□
	450-600	□	▲	●	□
Clay, Sandy or Silty Clay, Stabilized Clay	150-300	▲	▲	▲	●
	300-450	□	▲	▲	▲
	450-600	□	□	▲	□
Silt, Sandy or Clayey Silt, Coal, Ash, Solid Waste	150-300	▲	▲	□	●
	300-450	▲	□	□	▲
	450-600	□	□	-	▲
Base Aggregate, Gravel, Crushed Rock, Stabilized Base	150-300	▲	▲	●	□
	300-450	□	▲	▲	□
	450-600	-	□	□	□

Good ▲ Better ● Best

Shell Kit Performance

	Padfoot Drum	Shell Kit	Shell Kit Performance	Performance Ranking	
Number of Pads	140	120	Less Kneading better for silt	Padfoot Drum	Shell Kit
Pad Height	127 mm	90 mm	Less Penetration better for silt and sandy clay	Heavy Clay	● □
Weight at Drum	6075 kg	7475 kg	Higher Ground Pressure better for sandy clay	Sandy Clay	□ ●
Max. Amplitude	1.7 mm	1.2 mm	Smaller Drum Movement better for silt and clay	Silt with Clay	□ ●
				Slopes/Trenches	● □
				Thick Layers	● □

Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for specifics.

**Roll Over Protective Structure/
Falling Object Protective Structure
(ROPS/FOPS) canopy** is a two-post structure that bolts directly onto flanges welded to the operator platform. Includes two front-facing and two rear-facing working lights, handrails and a rear view mirror. The structure meets ISO 3449-1992 and ISO 3471-1994.

ROPS/FOPS Cab includes a cloth suspension seat, one access door, tinted safety glass windows, electric wipers front and rear, heater/defroster, two vertically sliding side windows for ventilation, two exterior rear view mirrors, two front-facing and two rear-facing working lights, interior dome light, coat hook. Cab can be ordered with or without air conditioning. Cab is fully EROPS rated and meets ISO 3449-1992 and ISO 3471-1994.

Sun Visor for the front windshield can be installed on machines equipped with a ROPS/FOPS cab.

Roll-Down Sun Screen for the rear window can be installed on machines equipped with a ROPS/FOPS cab.

Rear View Mirrors are available for internal use on machines equipped with a ROPS/FOPS cab or external use on machines equipped with a ROPS/FOPS canopy.

Transmission Guard consists of a heavy plate which covers the rear axle, axle drive motor and input gearbox.

Cab Lift Cylinder is available and provides a hydraulic cylinder to raise and lower the operator's platform or cab.

Vibration Auto On/Off. Vibration system switches on/off automatically.

Variable Frequency is an electronic displacement control on the vibratory pump that is operated by a dial on the operator's station. Engine rpm remains constant. Frequency range from 23.3-31.9 Hz makes it easier to match frequency, amplitude and working speed to job conditions. Includes the vibratory gauge.

Vibratory Gauge is mounted on the console in front of the operator and displays the actual vibratory system frequency. (Standard with the variable frequency option.)

Rotating Beacon includes an amber beacon and mount that can be attached to machines with ROPS/FOPS canopy or ROPS/FOPS cab.

Polyurethane Drum Scrapers for the CS563E provide a front and rear scraper for continuous contact with the drum surface and replaces the standard steel front scraper.

Two-piece Padfoot Shell Kit bolts onto the smooth drum CS563E and features 90 mm high pads. Includes special bumper.

Smooth Drum Rear Steel Scraper mounted at the rear of the drum.

Padded Drum Rear Scrapers help keep material from building up on the drum.

Speedometer

Recording Module provides a visual gauge for reading worktime, machine speed, distance covered and amplitude selection.

Compaction Indicator CI 010 includes LED panel indicating compaction level with integrated LCD screen displaying travel speed and compaction meter value. Also Includes hand-held printer.

Compactionmeter ALFA 022R includes compaction meter value dial, frequency meter dial and resonance meter value dial.

Leveling Blade for the CS563E and CP563E is designed to bolt onto the drum yoke. Complete unit includes heavy-duty blade, push arms, reversible/replaceable cutting edges, replaceable wear plates, a heavy-duty hydraulic lift cylinder and control valve. Moldboard is constructed of heavy-duty steel. Blade measures 2500 mm wide and 680 mm high. Maximum depth of cut is 76 mm.

Padded Drum Conversion Kit (CS563E only) is interchangeable with the smooth drum. Two options are available. First option includes all drum components including hydraulic motor, brackets, gear and support boxes, shell, mounts, brackets and pods, front bumper and scrapers. Second option includes minimal drum components. Shell, drive plate, front bumper and scraper. Padded drum dimensions and performance are the same as on the CP563E.

Smooth Drum Conversion Kit (CP563E only) is interchangeable with the padded drum. Two options are available. First option includes all drum components including hydraulic motor, brackets, gear and support boxes, shell, mounts, brackets and pods, front bumper and scrapers. Second option includes minimal drum components. Shell, drive plate, front bumper and scraper. Smooth drum dimensions and performance are the same as on the CS563E.

Spare Tire with Rim is available for both the flotation tread and the traction tread.

CS563E and CP563E Vibratory Soil Compactors

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Caterpillar dealer for available options.

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