

CS44 CP44

Vibratory Soil Compactors

CATERPILLAR®



Cat® C4.4 Diesel Engine with ACERT™ Technology

| | | |
|---|-------|--------|
| Gross Power | 75 kW | 100 hp |
| US EPA Tier 3 and European Stage IIIa compliant | | |

Operating Weight with ROPS/FOPS

| | | |
|------|---------|-----------|
| CS44 | 6900 kg | 15,212 lb |
| CP44 | 7295 kg | 16,083 lb |

Centrifugal Force

| | | |
|------|--------|-----------|
| High | 134 kN | 30,000 lb |
| Low | 67 kN | 15,000 lb |

Features

Powerful New Engine

Cat C4.4 engine with ACERT Technology provides steady, reliable, clean-burning power that meets U.S. EPA Tier 3 and European Stage IIIa emissions standards.

Improved Serviceability

New Cat HYDO™ Advanced 10 hydraulic oil provides a change interval increase to 3 years/3000 hours. All service performed from right side of machine. New hydraulic test port block makes oil sampling easy. Scheduled oil sampling on vibratory system is no longer required.

Excellent Gradeability and Machine Control

The exclusive Cat dual-pump propel system provides unmatched machine control with minimum drum and wheel slippage in low traction conditions.

Comfortable Operator's Station

Improved engine bay airflow reduces hot air blowback on the operator's station and excessive dust; adjustable seat, adjustable wrist rest; unrestricted visibility to the drum and rear of the machine; minimized vibrations and noise.

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With a number of enhancements that improve productivity and reliability while reducing owning and operating costs, the CS44 and CP44 Vibratory Soil Compactors are the latest evolution of a class-leading design. Throw in the durable and field-proven powertrain and vibratory system, along with unmatched customer service and support, and it is easier than ever to see why you can Count on Cat.

Ready to Go

Robust, versatile and highly mobile, the CS44 and CP44 can do it all.

With all the choices available, what makes the Cat CS44 and CP44 the smart and easy decision for your soil compactor purchase?

Easy to Use

Controls are where you expect them to be. Dials and indicators tell you what you need to know. The comfortable operating station enables the operator to stay alert, safe and productive.

High Productivity

The Cat dual-pump propel system provides excellent mobility and gradeability. The exclusive Cat pod-style vibratory system provides reliable compactive effort with lower system noise than competitive machines. Larger fuel tank provides greater productivity between refueling stops.

High Versatility

Useful options, like the padfoot shell kit and leveling blade, enhance the versatility and use of the CS44 and CP44.

Increased Reliability and Durability

A powerful new engine with an improved, more robust design, coupled with a bigger, more efficient cooling package, gives the CS44 and CP44 an edge over competitive machines.

Lower Owning and Operating Costs

The CS44 and CP44 feature enhanced serviceability, decreasing machine maintenance time and lowering cost of ownership. The longest available service intervals for vibratory system and hydraulic oil service, as well as improved hydraulic system design, parts commonality with other Cat equipment and right-side service design also contribute to lowered costs. Compare our owning and operating costs with the competition and you will see why the CS44 and CP44 are the easy choice.

A Name You Know

You already trust Caterpillar for your earthmoving equipment—why would you trust anyone else for your compaction equipment? Your Cat Dealer provides unmatched service on your entire fleet, reducing maintenance and service costs. One single source who understands the needs of your business. And, the Caterpillar brand means that when it is time to buy new equipment, you will receive the maximum resale value on the equipment you are replacing.



Engine and Propel System

Advanced engine and hydraulics are durable, reliable and productive.



A smooth, robust and clean-burning engine combined with state-of-the-art hydraulic components and the exclusive Cat dual-pump design make the CS44 and CP44 agile, quick and dependable.

Powerful C4.4 Engine with ACERT™ Technology

This high-tech four cylinder engine provides outstanding durability, performance, reliability and operating economy while producing less emissions. ACERT Technology combines proven systems with innovative new technologies to precisely shape the combustion process, providing more complete combustion of fuel and lower emissions. The C4.4 engine meets U.S. EPA Tier 3 and European EU Stage IIIa emissions standards.

More Robust Block and Components

The C4.4 has been built with a thicker engine block and more robust components, improving durability and reliability while helping to keep noise levels low. The robust design also contributes to improved cold-weather starting performance.

Low-mounted Oil Pump, Large Oil Cooler

The positioning of the oil pump provides quick start-up lubrication, ensuring less engine wear and a longer engine life. The cooling package has been increased in size by 25%, reducing oil deterioration and varnishing of internal components as well as operating temperatures. Engine oil change interval is every 500 hours.

Dual-Pump Propel System

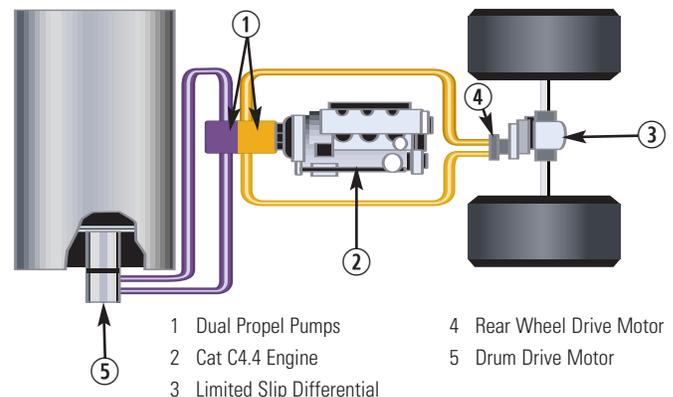
The dual-pump propel system, unique to Cat compactors, has dedicated pumps to drive the heavy-duty, high-torque rear wheel and drum motors independently. Should the drum or wheels begin to spin, the non-spinning motor still receives hydraulic flow, allowing continuous tractive effort especially useful in loose underfoot conditions.



Too steep? Not likely.

Power and traction get you where you need to go.

The Cat Dual-Pump Propel System, coupled with a limited slip differential on the rear axle, provides smooth balanced power to the wheels and drum, allowing the CS44 and CP44 to climb the steepest embankments and trench ramps.



Proven Vibratory System

Superior performance, minimum maintenance.

The Cat pod-style vibratory system delivers superior compactive force, industry-leading serviceability and smoother, more quiet operation.

Pod-style Weight Housing is a Proven Design

Assembled and sealed at the factory to ensure cleanliness, longer bearing life and easier field exchange or service.

Dual Amplitude Increases Versatility

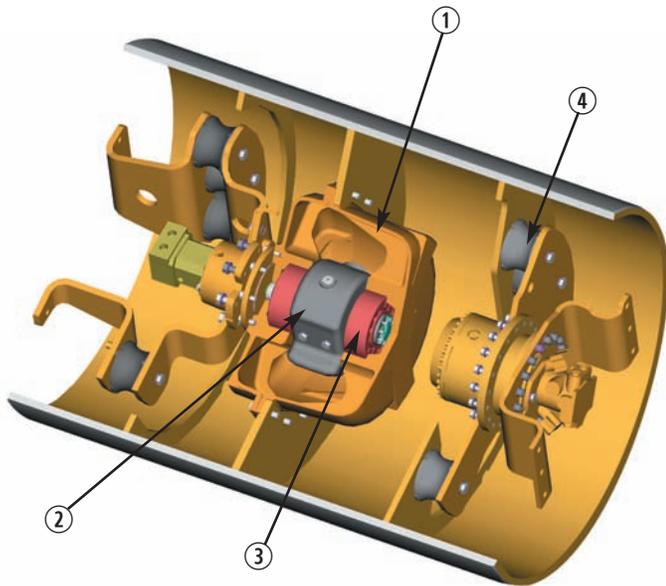
Works efficiently in a wider range of applications. High or low amplitude is selected from the operator's station.

High Compaction Force with Versatile Options

31.9 Hz (1914 vpm) vibratory frequency brings high-production compaction force to bear. Optional variable frequency control allows operator to adjust frequency to match varying job conditions.

Minimal Maintenance

3 year/3,000 hour vibratory bearing change is unmatched by competitive models. Scheduled oil sampling is no longer required on this proven design.



- 1 Pod-style weight housing
- 2 Exclusive eccentric weights
- 3 Heavy-duty bearings
- 4 Isolation mounts

Reliability Through Innovation

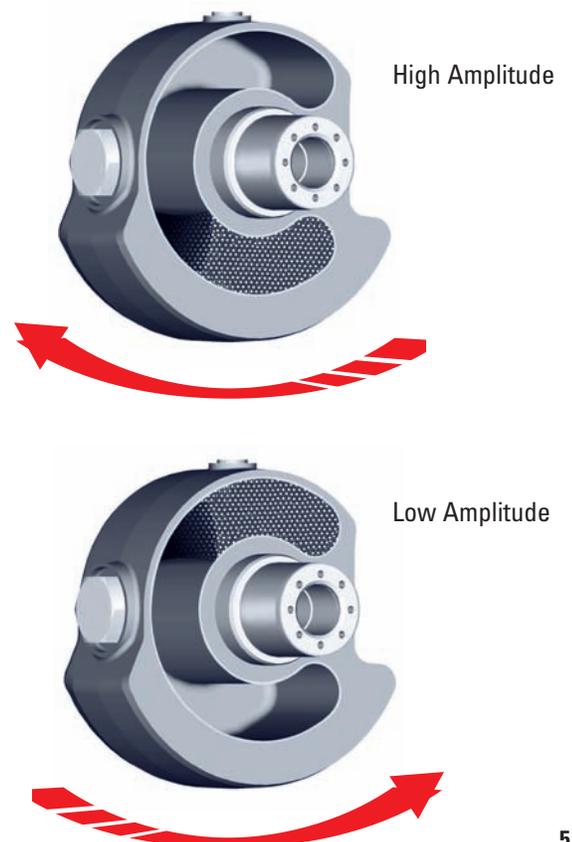
Exclusive Eccentric Weight design ensures precise performance.

Simple, Certain Control

The proprietary eccentric weights, activated from a thumb switch on the propel lever, feature a design that utilizes repositioning steel shot to change amplitude. This design assures smooth, low-noise, positive activation as the round shot fluidly shifts position.

High Reliability

Unlike the clunky, steel plate designs of competitive models, the steel shot cannot jam, and repositioning does not create metal fragments that can contaminate the bearing lubrication system.



Smooth Drum CS44

Excellent performance while compacting granular materials.

Durable and Versatile

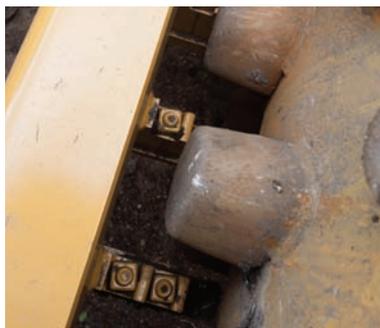
The heavy-duty smooth drum provides excellent performance for use on granular materials. The smooth drum can be fitted with an optional removable padfoot shell kit to enhance machine capabilities on semi-cohesive and cohesive soils.

Scraper Design

A steel scraper on the front of the drum is adjustable to keep it in consistent contact with the drum surface, improving performance.

Scraper Options

Optional scrapers are available, including a steel scraper for the rear of the drum and polyethylene scrapers that provide enhanced drum contact.



Padfoot CP44

High ground contact pressure.

High-production Design

The padfoot drum has 108 pads welded in a chevron arrangement. Padfoot drums offer superior performance when compacting cohesive and semi-cohesive materials.

Round Pad Design

Round pad is 90 mm (3.5") high with a pad face surface area of 63.8 cm² (9.9 in²) for high ground contact pressure and maximum compaction. Tapered, self-cleaning design allows pads to walk out of the lift without fluffing or "kicking up" the soil around the pads.

Drum Scrapers

Wide, individually adjustable and replaceable scrapers mounted on the front and rear of the drum reduce excessive material build-up between the pads.

Padfoot Drum shown with optional Leveling Blade attachment.

Operator's Environment

Features and options to maximize operator comfort and productivity.

Available with a standard ROPS/FOPS Canopy or an optional ROPS/FOPS Cab, the CS44 and CP44 provide excellent operator comfort, which facilitates high productivity. The operator's platform is isolated from the frame with heavy duty isolation mounts, which reduce vibration to the operator.

Operator's Station

A tilting steering console provides maximum comfort and easy egress. All controls, levers, switches and gauges are positioned for easy use. The comfortable and durable seat provides adjustment for forward and backward positioning, seat height and suspension stiffness. The seat has flip-up arm rests and a 76 mm (3") wide retractable seat belt. An adjustable wrist rest mounted near the propel lever reduces operator fatigue from extended operation. A floor mat reduces vibrations. An optional rotating seat provides 20 degrees of pivot adjustment.

Standard ROPS/FOPS Canopy

The standard ROPS/FOPS Canopy configuration provides excellent visibility, comfort and safety for the operator.

Standard features include:

- Enclosed by handrails with integrated foot rests
- Two front-facing and two rear-facing working lights
- Lockable vandalism guard
- Durable, adjustable and comfortable weather resistant vinyl seat
- Rear view mirror
- 12-volt outlet for personal communication devices
- An optional platform lift cylinder provides greater access to the hydraulic pump package

Optional ROPS/FOPS Cab

The ROPS/FOPS Cab is spacious and comfortable, with large windows and remarkable visibility. Robust air conditioning provides remarkable comfort. Excellent ergonomics and low sound levels keep the operator alert and in control. Standard cab features include:

- A comfortable, adjustable cloth seat
- Internal rear view mirror and two exterior rear view mirrors
- Two front-facing and two rear-facing working lights
- Front and rear windshield wipers
- Slide-open side windows
- Climate control with air conditioning, a heater and defroster
- Pre-wired for the addition of a radio set (radio not included)
- 12-volt outlet for personal communication devices
- Lockable personal storage bin and cupholder/lunchbox storage



Industry Leading Serviceability

Cat machines are designed to keep owning and operating costs low.

Cat customers know that much of the value of a Cat machine is realized away from the job site. Cat machines are designed for easy maintenance and long service intervals, maximizing uptime and minimizing costs.

Visual Indicators

Allow easy and fast check of engine coolant, hydraulic oil level, and air filter restriction.

Operator's Station Tilts Forward

Allows convenient access to hydraulic pumps.

Rear Mounted Cooling System

Provides easy access for cleaning. Hydraulic oil cooler tilts rearward for additional access to radiator.

Maintenance-free Articulation Hitch

Articulation hitch has sealed-for-life bearings, eliminating need for greasing or maintenance.

500 Hour Engine Oil Service Interval

3 Year/3,000 Hour Vibratory Bearing Lube Service Interval

Extended service interval reduces maintenance costs and maximizes uptime. Scheduled oil sampling of vibratory system no longer required.

3 Year/3,000 Hour Hydraulic Oil Service Interval

The CS/CP44 comes with a standard factory fill of Cat HYDO™ Advanced 10 hydraulic oil, which extends service intervals, reduces maintenance costs and maximizes uptime. With standard oils, the service interval is 2 years/2,000 hours. Cat HYDO Advanced 10 extends the interval to 3 years/3,000 hours.

S•O•SSM Ports

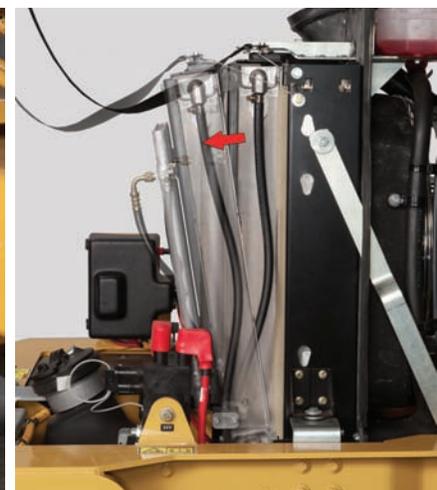
Allow for simple fluid collection of engine oil, engine coolant and hydraulic oil.

Quick Connect Hydraulic Test Ports

Simplify system diagnostics.

Parts Commonality

The CS44 and CP44 share common parts with other Cat soil compactors and machines, minimizing the number of wear and service parts owners will need on hand.



Ground level access, right-side-of-machine service, and visual indicators are just a few of the features that make Cat machines easier and less expensive to service than the competition. The CS44 and CP44 also feature a maintenance-free articulation hitch and a tilting oil cooler for greater service access.



- | | | |
|-----------------------------|-------------------------------------|--|
| 1 Coolant level indicator | 6 Ecology drain | 11 Maintenance-free articulation hitch |
| 2 Air restriction indicator | 7 Engine oil fill, dipstick, filter | 12 Fuel/Water separator filter and indicator |
| 3 Tilting oil cooler | 8 Hydraulic test port block | 13 Low Maintenance Vibratory System - 3 years/3,000 hours |
| 4 Jump start connector | 9 Hydraulic oil level indicator | |
| 5 Fuel fill | 10 Platform lift cylinder | |

Secure Hose Routing

Polyethylene hose mounting looms reduce rubbing, keep the systems organized and increase service life.

Robust Electrical System Design

Nylon-braided wrap and all-weather connectors ensure system integrity. Electrical wiring is color-coded, numbered and labeled with component identifiers to simplify troubleshooting. New breaker block design provides easier access to breakers.

Maintenance-free Cat Batteries

Provide 750 cold-cranking amps.

Ecology Drains

Provide a method to drain fluids that is more environmentally safe. They are included on the radiator, engine oil pan, hydraulic tank and fuel tank.

Simplified Fleet Tracking

Product Link option ensures maximum uptime and minimizes maintenance.

Machines are wire-ready to accept Product Link. Optional Product Link streamlines diagnostic efforts, downtime, and maintenance scheduling and costs by providing communication flow of vital machine data and location information between the dealer and the customer. Product Link provides updates on service meter hours, machine condition and machine location.

Two-way Wireless Data Flow

Provides communication between on-board machine systems and the Cat Dealer and owner.

Product Watch

Optional Product Watch service monitors your fleet for unauthorized machine usage. Product Watch notifies owner via email or pager if a machine operates outside of a configurable set of parameters.



Expand Your Productivity

Optional equipment adds to the versatility of your machine.

Padfoot Shell Kit

Available for the CS44, the padfoot shell kit extends the application range of smooth drums to include semi-cohesive and cohesive soils. Padfoot shell comes in two halves that can be easily installed with an appropriate lifting device in about an hour. Kit also comes with a dual purpose bumper that provides storage for scrapers. Padfoot scrapers feature a new design that provides increased removal of materials from the drum face. The shell features 98 pads with a pad height of 90 mm (3.5").

Leveling Blade

Available on the CP44 and CS44 models equipped with the shell kit. The leveling blade is controlled with a foot pedal, allowing operators to keep their hands on the steering wheel and propel lever during blade operation. The leveling blade can perform multiple functions, including material knockdown, site leveling, trench backfilling and light dozing. The blade features reversible and replaceable two-piece cutting edges that increase service life and reduce replacement costs.

ROPS/FOPS Cab

In markets where the cab is not standard equipment, the cab is available as an option. The cab improves productivity by increasing operator comfort. For details about the cab, see page 7.

Variable Vibration Frequency

Allows operator to vary the drum vibration frequency to match drum performance to site conditions.

VPM Gauge

Mounted on the console, this gauge displays the actual vibratory system frequency.

Volkel Ready Option

CS44 models can be equipped with the Volkel Analog Compaction Display (ACD), a simple compaction measurement gauge, by ordering the Volkel Ready Option, which provides a pre-installed accelerometer/processor on the drum and an electrical harness routed to the operator's console. The Volkel ACD is purchased separately from Volkel and installed on the operator's console by your dealer.



Operator Comfort Options

- Sun Visor
- Cab Internal Rear View Mirrors
- Roll-down Sun Screen
- Rotating Seat
- Rotating Beacon

Smooth Drum Performance Options

- Polyurethane Drum Scrapers
- Steel Rear Drum Scraper

Maintenance Options

- Operator Platform Lift Cylinder
- Bio-Oil Factory Fill Option

Your Cat Dealer

Service and support that is second to none.

Caterpillar is the industry service leader. Your machine purchase comes with something the competition cannot offer: a reputation for unmatched, exceptional service and support that comes from years of exceeding customer expectations.

Industry Experience

Cat Dealer personnel are familiar with the products and services that are valuable to your industry.

Depth of Knowledge

Cat Dealers possess an understanding of the machines that is technical and practical. Service personnel can service the entire machine, regardless of how it is configured.

Single-source Provider for Sales, Parts and Service

Cat Dealers are able to create a relationship with customers that lasts beyond the sale, allowing them to develop an understanding of the customer's unique needs. For that reason, Cat Dealers are uniquely positioned to provide the machines and service that the customer values.



Training and Consulting Services

Get the most out of your machine purchase *and* employees.

Cat Global Paving is proud to offer our industry-leading, accredited, application and machine maintenance training for the paving industry. To learn more, speak with your local Cat Dealer.

Classes Lower Maintenance Costs, Increase Uptime

Classes focus on maintenance issues unique to machines used in the paving industry. Students learn the machine systems, preventative maintenance and troubleshooting skills.

Improve Production and Quality; Maximize Profits

Classes provide expert industry and technical knowledge, plus Best Practices application knowledge, to streamline your work force and hone their skills.

Earn the Bonus

Our application experts are also available for on-the-job consulting. Our results are implicitly guaranteed—if you don't earn the money, neither do we.

CS/CP44 Vibratory Soil Compactor Specifications

Drum and Vibratory System Specifications

Dimensions

| | | |
|---------------------------------|----------------------|---------------------|
| Drum Width | 1676 mm | 66" |
| Drum shell thickness | 25 mm | 1" |
| Drum diameter, CS44 | 1221 mm | 48" |
| Drum diameter, CP44 (over pads) | 1225 mm | 48" |
| Pads (CP44) | | |
| Number of pads | 108 | |
| Pad height | 90 mm | 3.5" |
| Pad face area | 63.8 cm ² | 9.9 in ² |
| Number of chevrons | 12 | |
| Eccentric weight drive | Hydrostatic | |

Weights at the Drum

| | | |
|------------------------------|---------|----------|
| With ROPS/FOPS canopy | | |
| CS44 | 3410 kg | 7,518 lb |
| CP44 | 3760 kg | 8,289 lb |
| With Cab, AC | | |
| CS44 | 3510 kg | 7,738 lb |
| CP44 | 3860 kg | 8,510 lb |

Static Linear Load

| | | |
|------|------------|-----------|
| CS44 | 20.3 kg/cm | 114 lb/in |
|------|------------|-----------|

Frequency

| | | |
|----------|----------------|-----------------|
| Standard | 31.9 Hz | 1914 vpm |
| Optional | 23.3 - 31.9 Hz | 1400 - 1914 vpm |

Nominal Amplitude

| | | |
|-------------|---------|--------|
| CS44 | | |
| High | 1.67 mm | 0.066" |
| Low | 0.84 mm | 0.033" |
| CP44 | | |
| High | 1.59 mm | 0.063" |
| Low | 0.80 mm | 0.032" |

Centrifugal Force @ 31.9 Hz (1914 vpm)

| | | |
|---------|--------|-----------|
| Maximum | 134 kN | 30,000 lb |
| Minimum | 67 kN | 15,000 lb |

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.

**Machines sold within the European Union are also equipped with rear axle brakes. Braking system meets SAE J1472 and EN 500-4.*

Steering

A priority-demand hydraulic power-assist steering system provides smooth low-effort steering. The steering system has priority over other hydraulic functions.

Minimum turning radius:

| | |
|---------|-----------------|
| Inside | 3.08 m (10' 1") |
| Outside | 4.75 m (15' 7") |

Steering angle:

(each direction) ± 37°

Oscillation angle:

(each direction) ± 15°

Hydraulic system:

Two 64 mm (2.5") bore, double-acting cylinders powered by a gear-type pump.

CS/CP44 Vibratory Soil Compactor Specifications

Engine

Four-stroke, four cylinder turbo Cat C4.4 diesel engine with ACERT. Meets U.S. EPA Tier 3 and European EU Stage IIIa emissions control standards worldwide.

| Gross Power | RPM | kW | hp |
|-------------|------|----|-----|
| ISO14396 | 2200 | 75 | 100 |

Ratings of Cat machine engines are based on standard air conditions of 25°C (77°F) and 100 kPa (29.61" Hg) dry barometer. Power is based on using API gravity of 35 at 15°C (60°F), fuel having a LHV of 42 780 kJ/kg (18,390 Btu/lb) used at 30°C (86°F) [ref. a fuel density of 838.9 g/L (7.001 lb/U.S. gal)]. 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 (9843') altitude.

The following ratings apply at 2200 RPM when tested under the specified standard conditions:

| Net Power | kW | hp |
|-----------|------|------|
| ISO 9249 | 70.3 | 94.3 |
| SAE J1349 | 72 | 96 |

Dimensions

| | | |
|--------------|------------|-------------|
| Bore | 105 mm | 4.13" |
| Stroke | 127 mm | 5" |
| Displacement | 4.4 liters | 269 cu. in. |

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

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.

Instrumentation

Electronic Control Module (ECM) constantly monitors condition of the engine, and alerts the operator of problems 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.

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 $\pm 37^\circ$ and a horizontal pin allows frame oscillation of $\pm 15^\circ$. The articulation lock prevents machine articulation when placed in the locked position. Sealed-for-life hitch bearings require no maintenance. Frame also includes tie-down points for transport.

Final Drives and Axle

Final drive is hydrostatic with planetary 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.

Axle Width: 1.27 m (50")

Tires:

CS44: 14.9" x 24" 6-ply flotation

CP44: 14.9" x 24" 8-ply traction

Service Refill Capacities

| | Liters | Gallons |
|---------------------------|--------|---------|
| Fuel tank (useable) | 168 | 44.4 |
| Total capacity | 180 | 47.5 |
| Cooling system | 20.5 | 5.4 |
| Engine oil w/filter | 8.5 | 2.2 |
| Eccentric weight housings | 6 | 1.6 |
| Axle & final drives | 10.5 | 2.8 |
| Hydraulic tank | 80 | 21.1 |

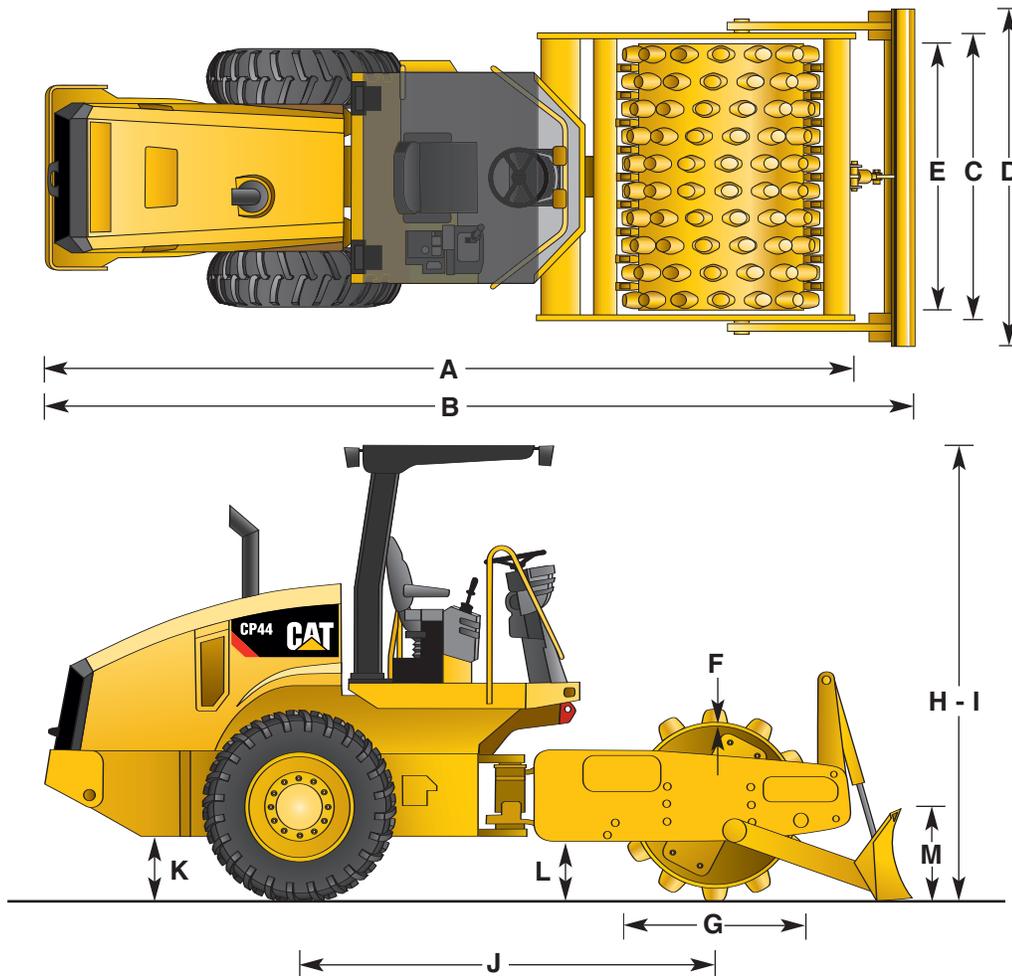
Electrical System

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 75-amp alternator. A new breaker block provides easy access to breakers.

Maximum Speeds

| Forward and Reverse | | |
|---------------------|--------------|-----------|
| Low | 0-5.5 km/hr | 0-3.4 mph |
| High | 0-12.3 km/hr | 0-7.6 mph |

CS/CP44 Vibratory Soil Compactor Specifications



Dimensions

| | CS44 | | CP44 | |
|--|---------|---------|---------|---------|
| A Overall length | 5.08 m | 16' 8" | 5.08 m | 16' 8" |
| B Overall length w/optional leveling blade | 5.44 m | 17' 10" | 5.44 m | 17' 10" |
| C Overall width | 1.8 m | 5' 11" | 1.8 m | 5' 11" |
| D Overall width w/optional leveling blade | 2.12 m | 6' 11" | 2.12 m | 6' 11" |
| E Drum width | 1.68 m | 5' 6" | 1.68 m | 5' 6" |
| F Drum shell thickness | 25 mm | 1" | 25 mm | 1" |
| G Drum diameter | 1221 mm | 48" | 1225 mm | 48" |
| H Height at ROPS/FOPS canopy | 2.93 m | 9' 7" | 2.93 m | 9' 7" |
| I Height at ROPS/FOPS cab | 2.97 m | 9' 9" | 2.97 m | 9' 9" |
| J Wheelbase | 2.60 m | 8' 6" | 2.60 m | 8' 6" |
| K Ground clearance | 411 mm | 16.2" | 411 mm | 16.2" |
| L Curb clearance | 380 mm | 14.9" | 380 mm | 14.9" |
| M Optional leveling blade height | 574 mm | 22.6" | 574 mm | 22.6" |
| Inside turning radius | 3.08 m | 10' 1" | 3.08 m | 10' 1" |
| Outside turning radius | 4.75 m | 15' 7" | 4.75 m | 15' 7" |

CS/CP44 Vibratory Soil Compactor Specifications

CS44 and CP44 Specifications

| Operating Weights | CS44 | | CP44 | |
|--|------|--------|------|--------|
| | kg | lb | kg | lb |
| with ROPS/FOPS canopy | 6900 | 15,212 | 7295 | 16,083 |
| equipped with padfoot shell kit | 7890 | 17,394 | – | – |
| equipped w/padfoot shell kit and blade | 8370 | 18,453 | – | – |
| equipped with blade | – | – | 7705 | 16,987 |
| with ROPS/FOPS cab, AC | 7240 | 15,961 | 7635 | 16,832 |
| equipped with padfoot shell kit | 8230 | 18,144 | – | – |
| equipped w/padfoot shell kit and blade | 8710 | 19,202 | – | – |
| equipped with blade | – | – | 8045 | 17,736 |

Weight at Drum

| | | | | |
|--|------|--------|------|-------|
| with ROPS/FOPS canopy | 3410 | 7,517 | 3760 | 8,289 |
| equipped with padfoot shell kit | 4400 | 9,700 | – | – |
| equipped w/padfoot shell kit and blade | 5060 | 11,155 | – | – |
| equipped with blade | – | – | 4310 | 9,502 |
| with ROPS/FOPS cab, AC | 3510 | 7,738 | 3860 | 8,510 |
| equipped with padfoot shell kit | 4500 | 9,921 | – | – |
| equipped w/padfoot shell kit and blade | 5160 | 11,376 | – | – |
| equipped with blade | – | – | 4410 | 9,722 |

Static Linear Load (at drum)

| | | | | |
|------------------------|------|-------|---|---|
| with ROPS/FOPS canopy | 20.3 | 114 | – | – |
| with ROPS/FOPS cab, AC | 20.9 | 117.2 | – | – |

Power Train

| | | | | |
|---------------------|----------------------------|-----|----------------------------|-----|
| Engine | C4.4 with ACERT Technology | | C4.4 with ACERT Technology | |
| Gross power | 75 | 100 | 75 | 100 |
| Maximum speeds | | | | |
| High range | 12.3 | 7.6 | 12.3 | 7.6 |
| Low range | 5.5 | 3.4 | 5.5 | 3.4 |
| Axle (differential) | Limited Slip | | Limited Slip | |
| Tire size | 14.9" x 24" 6-ply | | 14.9" x 24" 8-ply | |

Miscellaneous

| | | | | |
|--------------------|--------|------|--------|------|
| Electrical system | 24 VDC | | 24 VDC | |
| Articulation angle | ± 37° | | ± 37° | |
| Oscillation angle | ± 15° | | ± 15° | |
| Fuel capacity | 180 | 47.5 | 180 | 47.5 |

CS/CP44 Vibratory Soil Compactor

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

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