

2002 Caterpillar CP-663E Roller



Make	Caterpillar		Model	CP-663E		
Year	2002	Hours	3145		As at	28/05/2019
Mileage				km	As at	28/05/2019
Serial/VIN	CATCP663AAFL00316			Engine Serial		
Details	<p>2002 Caterpillar CP-663E Roller set up with front-mounted Grader blade. This unit is CE certified with plate and very low hours and the work orders report for this Caterpillar CP-663E can be found in the GES Equipment Report PDF on the auction page for this asset.</p> <p>Offered for sale via online auction on an As IS basis running to drive on to buyers ex site Cobar, NSW. Australia.</p>					
Asking price	AUD	Under review - call for pricing				
Ex site	Australia, New South Wales, Cobar					

Service history	This roller has seen limited work in the last 12 months with the last log book entry dated 28/5/2019.
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**For further details, to make an offer or book an inspection, contact
Global Equipment Solutions on Office: 08 9201 1142**













Equipment	Description	Actual Start Date	Operation Text	Actual Finish Date
100-PF-001	OIL LEAK	20171026	REPAIR OIL LEAK	20171031
100-PF-001	CHECK OVER FOR RETURN TO WORK	20170919	CHECK OVER FOR RETURN TO WORK	20170919
100-PF-001	FUEL PUMP LEAKING FUEL	20170204	FUEL PUMP LEAKING FUEL	20170207
100-PF-001	FUEL SYSTEM SUCKING AIR	20170103	REPAIR FUEL SYSTEM SUCKING AIR	20170103
100-PF-001	OIL LEAK AT HYDRAULIC TANK	20161103	OIL LEAK AT HYDRAULIC TANK	20161107
100-PF-001	CHECKOVER AND REPAIRS	20161028	CHECKOVER AND REPAIRS	20161028
100-PF-001	CHECK ROLLER OVER FOR WORK	20161004	CHECK ROLLER OVER FOR WORK	20161012
100-PF-001	6 MONTHLY GAS TESTING	20160901	6 MONTHLY GAS TESTING PM2079	20161101
100-PF-001	CHECK OVER TO GO BACK TO WORK	20160531	CHECK OVER TO GO BACK TO WORK	20160603
100-PF-001	6 MONTHLY GAS TESTING	20160301	6 MONTHLY GAS TESTING PM2079	20160322
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	20160301	6 MONTHLY FIRE SUPPRESSION TESTING	20160926
100-PF-001	ENGINE OVERHEATING	20151125	ENGINE OVERHEATING	20160203
100-PF-001	thrmostat u/s	20151006	thrmostat u/s	20151019
100-PF-001	ENG HRS 2996 A/C NOT COLD	20150731	ENG HRS 2996 A/C NOT COLD	20150805
100-PF-001	flat batterys hrs 2981	20150713	flat batterys hrs 2981	20150805
100-PF-001	JUMP START AND CHECK CHARGE RATE 2980HRS	20150710	JUMP START AND CHECK CHARGE RATE 2980HRS	20150714
100-PF-001	DIAGNOSE HYDRAULIC OIL LEAK	20150413	DIAGNOSE HYDRAULIC OIL LEAK	20150422
100-PF-001	Repair oil leak	20150413	Repair oil leak	20150422
100-PF-001	oscilation u/s	20150331	oscilation u/s	20150420
100-PF-001	drum rubers u/s	20150331	drum rubers u/s	20150410
100-PF-001	drum rubers u/s	20150331		0
100-PF-001	loose bolts , low hyd oil	20150331	loose bolts , low hyd oil	20150419
100-PF-001	1000 HOUR SERVICE	20150312	1000 HOUR SERVICE	20151020
100-PF-001	drive shaft bolts come loose	20150302	drive shaft bolts come loose	20150310
100-PF-001	FLAT BATTERYS	20141110	FLAT BATTERYS	20141216
100-PF-001	PADFOOT ROLLER WEEKLY SERVICE	20140824	PADFOOT ROLLER WEEKLY SERVICE	20141009
100-PF-001	CHECK OVER TO GO TO NEW COBAR	20140207	CHECK OVER TO GO TO NEW COBAR	20140211
100-PF-001	CHECK OVER TO GO TO NEW COBAR	20140207	REPAIR CHARGING AND SWITCH ON BONNENT	0
100-PF-001	REPAIR NO HI REVS	20131017	REPAIR NO HI REVS	20131025
100-PF-001	JUMP START AND CHECK THROTTLE	20130624	JUMP START AND CHECK THROTTLE	20130702
100-PF-001	NO IDLE UP & A/C NOT COLD	20130521	NO IDLE UP	20130612
100-PF-001	check over for crew 2 to use next panel	20130430	check over for crew 2 to use next panel	20130516
100-PF-001	check over for crew 2 to use next panel	20130430	GTM AUTO FOR P/BRAKE MODIFICATIONS	0
100-PF-001	REPLACE FLAT BATTERIES	20130314	REPLACE FLAT BATTERIES	20130314
100-PF-001	PAD FOOT ROLLER FORTNIGHTLY CHECK	20121206	PAD FOOT ROLLER FORTNIGHTLY CHECK	20121216
100-PF-001	REPLACE DRUM ISOLATOR & battery	20121126	REPLACE DRUM ISOLATOR & battery	20121202
100-PF-001	PAD FOOT ROLLER FORTNIGHTLY CHECK	20121122	PAD FOOT ROLLER FORTNIGHTLY CHECK	20121202
100-PF-001	LOOSE BOLTS ON DRUM OF PF001	20121111	LOOSE BOLTS ON DRUM OF PF001	20121115
100-PF-001	PAD FOOT ROLLER MONTHLY SERVICE	20121108	PAD FOOT ROLLER MONTHLY SERVICE	20121115
100-PF-001	PAD FOOT ROLLER 3-MONTHLY SERVICE	0	PAD FOOT ROLLER 3-MONTHLY SERVICE	0
100-PF-001	PAD FOOT ROLLER 3-MONTHLY SERVICE	0	PAD FOOT ROLLER 3-MONTHLY SERVICE	0
100-PF-001	PAD FOOT ROLLER MONTHLY SERVICE	0	PAD FOOT ROLLER MONTHLY SERVICE	0
100-PF-001	PAD FOOT ROLLER MONTHLY SERVICE	0	PAD FOOT ROLLER MONTHLY SERVICE	0
100-PF-001	PAD FOOT ROLLER 3-MONTHLY SERVICE	0	PAD FOOT ROLLER 3-MONTHLY SERVICE	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	6 MONTHLY FIRE SUPPRESSION TESTING	0
100-PF-001	PAD FOOT ROLLER 3-MONTHLY SERVICE	0	PAD FOOT ROLLER 3-MONTHLY SERVICE	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	FIRE SUPPRESSION TESTING PF 001 FX-5089	0
100-PF-001	REPLACE VIBRATOR DRUM INSULATORS	0		0
100-PF-001	PAD FOOT ROLLER FORTNIGHTLY CHECK	0	PAD FOOT ROLLER FORTNIGHTLY CHECK	0
100-PF-001	PAD FOOT ROLLER FORTNIGHTLY CHECK	0	PAD FOOT ROLLER FORTNIGHTLY CHECK	0
100-PF-001	PAD FOOT ROLLER FORTNIGHTLY CHECK	0	PAD FOOT ROLLER FORTNIGHTLY CHECK	0
100-PF-001	PAD FOOT ROLLER FORTNIGHTLY CHECK	0	PAD FOOT ROLLER FORTNIGHTLY CHECK	0
100-PF-001	6 MONTHLY GAS TESTING	0	6 MONTHLY GAS TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	6 MTH FIRE SUPPRESSION TESTING FX-5719	0
100-PF-001	Replace thermostat and gasket	0	Replace thermostat and gasket	0
100-PF-001	6 MONTHLY GAS TESTING	0	6 MONTHLY GAS TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION CHECKS	0	6 MONTHLY FIRE SUPPRESSION CHECKS	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	6 MONTHLY FIRE SUPPRESSION TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	FIRE SUPPRESSION SERVICE PF01 FX-6294	0
100-PF-001	6 MONTHLY GAS TESTING	0	6 MONTHLY GAS TESTING	0
100-PF-001	REPLACE FAULTY BONNET MOTOR ASSEMBLY	0	REPLACE FAULTY BONNET MOTOR ASSEMBLY	0
100-PF-001	6 MONTHLY GAS TESTING	0	6 MONTHLY GAS TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	FIRE SUPPRESSION TESTING PF-01 FX-7814	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	6 MONTHLY FIRE SUPPRESSION TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	6 MONTHLY FIRE SUPPRESSION TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0	6 MONTHLY FIRE SUPPRESSION TESTING	0

100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0 W.F.S FIRE SUP. TESTING PF-01 FX-8624	0
100-PF-001	6 MONTHLY GAS TESTING	0 6 MONTHLY GAS TESTING	0
100-PF-001	6 MONTHLY GAS TESTING	0 6 MONTHLY GAS TESTING	0
100-PF-001	Replace 2 way radio	0 Replace 2 way radio	0
100-PF-001	6 MONTHLY GAS TESTING	0 6 MONTHLY GAS TESTING	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0 6 MONTHLY FIRE SUPPRESSION TESTING	0
100-PF-001	6 MONTHLY GAS TESTING	0 6 MONTHLY GAS TESTING PM2079	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0 6 MONTHLY FIRE SUPPRESSION TESTING	0
100-PF-001	INSTALL & PROGRAM RADIO	0 INSTALL & PROGRAM RADIO	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - SUMP REPAIRS 22363	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - CLEAN & AUDIT 22345	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - REPLACE U/S HOSES 22602	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - REPAIR AND REPAINT BONNET 22694	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - FABRICATION REPAIRS 22334	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - PAINT MACHINE - 23660	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 B.F.S - FLOAT ROLLER TO P.J.L COBAR	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0 6 MONTHLY FIRE SUPPRESSION TESTING PF-01	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - CABIN REPAIRS 22326	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 B.F.S - TRANSPORT PF-01 P.J.L - PGM	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - BLADE CYLINDER 22358	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - CENTRE HITCH & OSCILLATION 22362	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 GTM - REPAIR A/C SYSTEM 9626	0
100-PF-001	REPAIRS TO GET BACK UP TO SITE STANDARDS	0 P.J.L - RADIATOR & CONDENSOR REPAIRS 22364	0
100-PF-001	MISSING ENGINE BREATHER	0 REPLACE MISSING ENGINE BREATHER	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0 W.F.S - FIRE SUPPRESSION TEST PF-01	0
100-PF-001	6 MONTHLY FIRE SUPPRESSION TESTING	0 6 MONTHLY FIRE SUPPRESSION TESTING	0

Engine

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

Ratings at 2200 rpm	kW	hp
Gross power	134	179
Net Power		
EEC80/1269	123	165
ISO 9249	123	165

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 2500 m altitude. Above ratings apply at 2200 rpm when tested under the specified standard conditions.

Dimensions

Bore	100 mm
Stroke	127 mm
Displacement	6.0 Liters

Dual-element, dry-type air cleaner with visual restriction indicator.

Operator and Machine Protective Equipment

Roll Over Protective Structure/Falling Object Protective Structure

(ROPS/FOPS) canopy is a four-post structure that bolts directly onto flanges welded to the operator platform. The structure meets ISO 3449-1998. This structure may be an option in some areas and standard in others. Consult your dealer.

Backup Alarm – 112 dB(A) alarm sounds whenever the machine is in reverse. The backup alarm has three sound levels that can be changed with a switch located on the alarm.

Seat Belt – 76 mm wide seat belt is 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 two-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 toggle switch at the operators console triggers an electric over hydraulic control to change speed ranges.

Speeds (forward and reverse):

Low Range	
CS-663E/CS-683E	6.0 km/h
CP-663E	6.1 km/h
High Range	
CS-663E/CS-683E	12.1 km/h
CP-663E	12.2 km/h

Vibratory System

Drum diameter (over drum)	
CP-663E	1295 mm
CS-663E/CS-683E	1524 mm

Drum diameter (over pads)	
CP-663E	1549 mm
Drum width	2134 mm
Drum shell thickness	40 mm

Pads (CP-663E only)	
Number of pads	140
Pad height	127 mm
Pad face area	89.4 cm ²
Number of chevrons	14

Eccentric weight drive	Hydrostatic drive
Frequency	30 Hz

Nominal Amplitude

High	1.8 mm
Low	0.9 mm

Centrifugal Force at 30 Hz

Maximum	332 kN
Minimum	166 kN

Weight at Drum (with ROPS/FOPS cab)

CP-663E	11 300 kg
CS-663E	11 600 kg
CS-683E	13 300 kg

Linear Force*

Static	
CP-663E	50.5 kg/cm ²
CS-663E	54.4 kg/cm ²
CS-683E	62.3 kg/cm ²

Centrifugal	
CP-663E	1.49 kN/cm ²
CS-663E/CS-683E	1.56 kN/cm ²

* Meets NFP 98736 class: VM5

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	3.68 m
Outside	5.81 m

Steering angle

(each direction)	± 34°
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Oscillation angle

(each direction)	± 15°
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Hydraulic system

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

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. Axle width: 1.67 m

Tires

CS-663E/CS-683E:
587x 660 mm 12-ply flotation
CP-663E:
587 x 660 mm 12-ply traction

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 and within the rear axle. 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.

* Braking system meets EN500-1995.

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. Two vertical pins provide a steering angle of ± 34° and a horizontal pin allows frame oscillation of ± 15°. Sealed-for-life hitch bearings never need greasing or shimming.

Electrical

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

Instrumentation

Alternator Light, Hour Meter, Fuel Gauge, Horn, Audible Warning Horn for the: Engine Oil Pressure Light, Engine Coolant Temperature Light, Hydraulic Oil Temperature Light, Low Charge Pressure Light.

Operating Weights

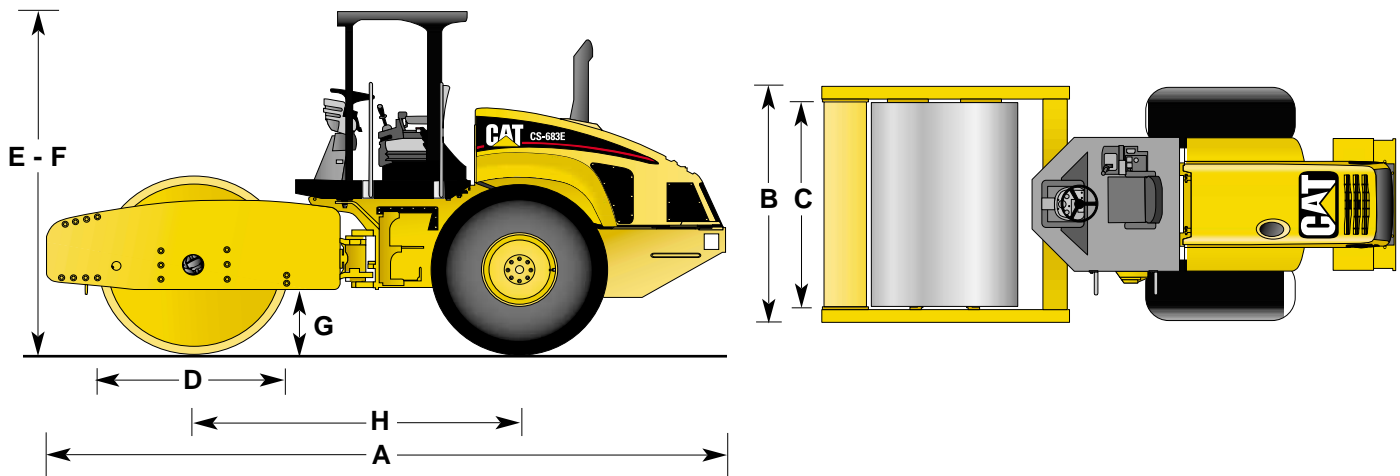
Weights include lubricants, coolant, full fuel and hydraulic tanks and a 80 kg operator.

Machine Weights	CS-663E kg	CP-663E kg	CS-683E kg
with open platform	16 400	16 200	18 200
with ROPS/FOPS canopy	16 700	16 500	18 500
with ROPS/FOPS cab	17 100	16 800	18 800
Weight at drum			
with open platform	11 360	11 100	13 100
with ROPS/FOPS canopy	11 470	11 200	13 200
with ROPS/FOPS cab	11 600	11 300	13 300

Service Refill Capacities

	Liters
Fuel tank	300
Cooling system	35
Crankcase	14
Vibratory bearing lube	24
Differential and final drives	28
Hydraulic system	80
Filtration system (pressure type)	
Propel	15 micron absolute
Vibratory	15 micron absolute

Dimensions



	CS-663E	CP-663E	CS-683E
A Operating length	6.00 m	6.00 m	6.00 m
B Max. machine width	2.36 m	2.36 m	2.46 m
Outside turning radius	5.81 m	5.81 m	5.81 m
Inside turning radius	3.68 m	3.68 m	3.68 m
C Compaction width	2.13 m	2.13 m	2.13 m
D Drum diameter	1524 mm	1295 mm	1524 mm
Drum diameter over pads	–	1549 mm	–
E Height at ROPS/FOPS canopy	3.02 m	3.10 m	3.02 m
F Height at ROPS/FOPS cab	3.02 m	3.10 m	3.02 m
G Ground clearance	525 mm	525 mm	525 mm
H Wheelbase	2.90 m	2.90 m	2.90 m

Total Customer Support System

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.

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

Remanufactured parts – pumps and motors, engines, fuel system and charging system components available from dealer at 20 - 50% of new part cost.

Service capability – dealer’s shop or fast field service by trained technicians using latest tools and technology.

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

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.