

CP Series

HITACHI

CP215



Tired Roller

- Model : CP215
- Engine Rated Output : 80.2 kW (108 HP)
- Operating Weight : With cab : 13 120 kg / With canopy : 12 990 kg
- Compaction Width : 2 275 mm

The Hitachi CP215. The Top-Class Tired Roller Packed with Numerous Technological Advances

- ★ Easy Access to the Operator Seat with Operator-Friendly Steps
- ★ Excellent Visibility per the European Visibility Standard “1 x 1 m”
- ★ Easy Operation by Pedal Control



Environmentally Friendly Design:

- Emission Regulation Tier 2 (Japan)
- Ultra-Low Noise Regulation (Japan)

Dependable Design for Reliability and Productivity

Enhanced Reliability

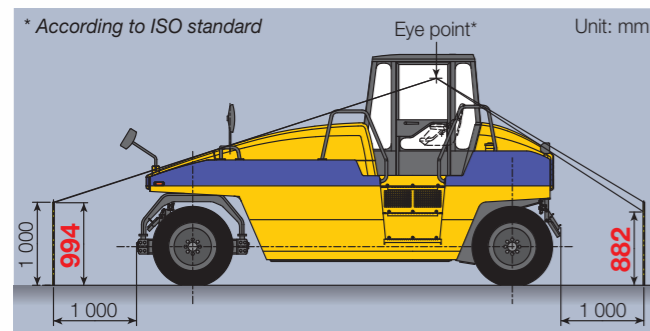
Operator-Friendly Steps

The CP215 gives easy access to the operator seat with the operator-friendly steps and large handrails. Downward visibility on the left side is excellent, facilitating compaction near the shoulder of a road.



Excellent Visibility per the European Visibility Standard "1 x 1 m"

The CP215 gives excellent visibility. The operator in the seat can see a 1-m high object located 1 m away from the front or rear of the machine for safe operation.



Three-Line Braking System

The braking system consists of three independent braking lines to enhance safety. Even if one braking line fails, the others still keep operating.

- **Main brake:** Full-hydraulic, wet-type sealed disc brake
- **Auxiliary brake:** HST brake
- **Parking brake:** Spring-set/hydraulic-released brake.

Applied automatically when the engine stops.

With the parking brake switch ON, travel is disabled even when depressing the acceleration pedal.



Safety Devices

● Safe Starting

The engine may start only when the electric parking brake switch is ON, and the F/N/R lever is in neutral (N position).

● Travel Locking

Travel is disabled unless the electric parking brake switch is turned OFF.

● F/N/R Lever Lock



F/N/R lever lock

Easy-to-Read Monitor

The monitor is ergonomically designed for easy reading, and always indicates operating conditions of the machine.

The maintenance alert light and work stop alert light warn the operator of maintenance schedule and malfunction for easy troubleshooting and solutions.



Folding Canopy

The canopy can be folded to the left of the operator seat for convenience of transportation.

- **Overall setup height:** 3 090 mm
- **Overall transport height (folded):** 2 780 mm



Roomy Cab with Excellent Visibility

The low-profiled cab (2 780 mm high) provides excellent visibility. The front glass window extends downward to the floor, and the round engine hood increases downward visibility. An air conditioner and defroster come standard for operator comfort.

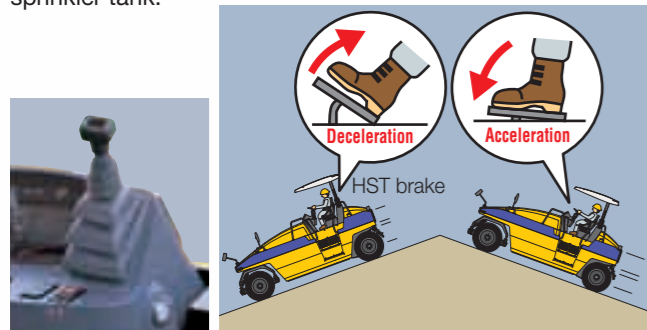


Smooth Control, Impressive Mobility and Simplified Maintenance for High Production

Smooth Control

Proven HST Drive System

The HST drive system brings smooth travel and riding comfort with the acceleration pedal, like a passenger car. The acceleration lever also facilitates feeding water to the sprinkler tank.



Finger-Touch F/N/R Control Lever

The finger-touch F/N/R control lever permits the operator to easily change forward and reverse travel, and low and high travel speeds.



Concentrated Sprinkler Levers

With concentrated sprinkler levers, sprinkling water on road surfaces and feeding water to another machine can easily be controlled from the operator seat. A water feed hose for the sprinkler tank can be stored inside the machine cover.



Combination Switches

The turn signal switch and headlight switch are grouped for easy control.



Impressive Mobility

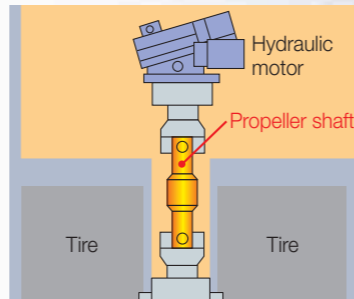
The Highest Travel Speed and Gradeability in the Class

The CP215 brings top-class travel speed and gradeability in its class for high productivity.

- Maximum travel speed: 25 km/h
- Gradeability: 47% (25 degrees)

Direct Drive Transmission

The direct drive transmission delivers ample power to the propeller shaft from the hydraulic motor. Unlike a chain drive system, no frequent lubrication and chain tension adjustments are needed.



Higher Stability with Lower Center-of-Gravity

The CP215 operation is stable because of low center-of-gravity of the machine, especially effective when working on rough terrain and gradient.

Simplified Maintenance

Wide-Open Engine Hood

The resin engine hood opens wide for easy servicing and inspection of the engine and accessories.



Extended Oil Change Intervals

Change intervals of engine oil and engine oil filter are extended up to 500 hours, respectively.

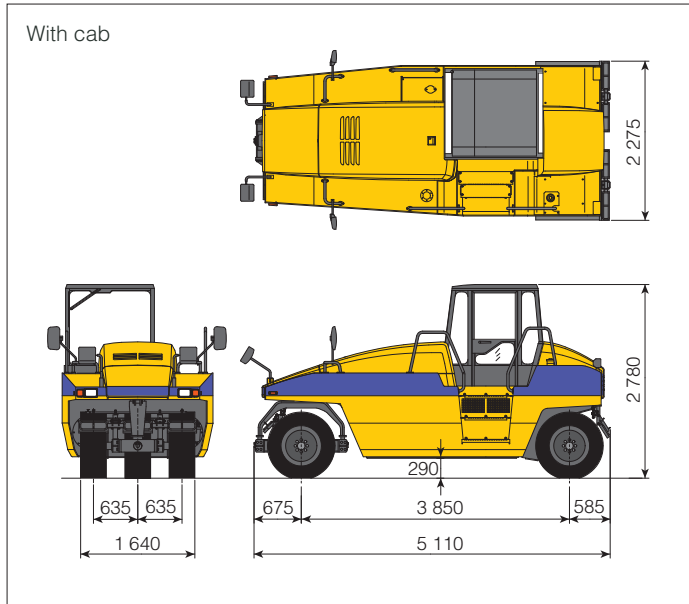
Simplified Replacement of Rear Tires

The central rear tire can be replaced, easily and quickly, by removing wheel bolts and by sliding tires out of the axle.

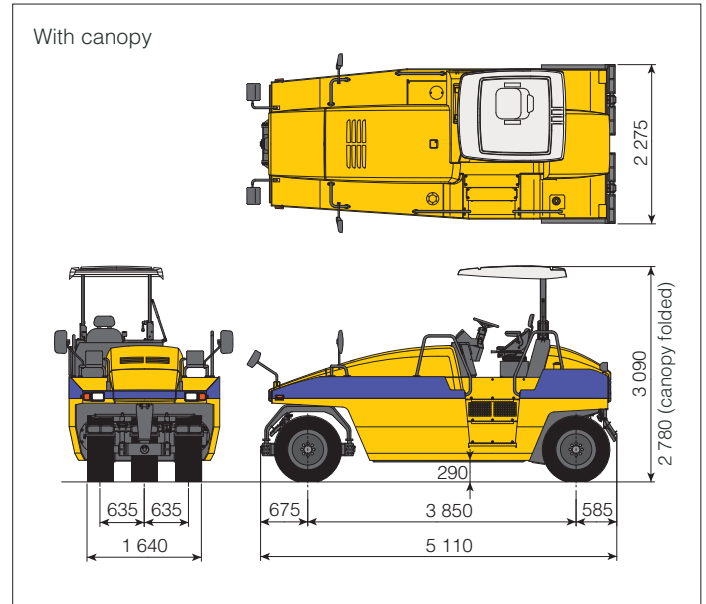


■Dimensions

Unit: mm



Unit: mm



■Specifications

		With cab	With canopy
Weights			
Operating weight	kg	13 120	12 990
Front axle	kg	5 565	5 515
Rear axle	kg	7 555	7 475
Water ballast weight	kg	3 700	
Machine weight	kg	9 350	9 220
Performance			
Travel speeds (forward/reverse)			
Low	km/h	10	
High	km/h	25	
Min. turning radius	m	6.3	
Gradeability (operating weight)	degree (%)	47 (25)	
Compaction width	mm	2 275	
Overlap	mm	55	
Engine			
Model		Isuzu BB-4BG1T	
Type		Water-cooled, 4-cylinder direct injection	
Displacement	L (cc)	4.329 (4 329)	
Rated output	kW/min ⁻¹ (HP/rpm)	80.2 / 2 200 (108 / 2 200)	
Transmission			
Transmission/differential		Hydrostatic/2-stage	
Drive system		Propeller shaft	
Reduction gear		Bevel gear, planetary gear	

	With cab	With canopy
Tires		
No. of tires	3 tires/front, 4 tires/rear	
Size	14/70-20-12PR (OR)	
Supporting system		
Front axle	Oscillation type	
Rear axle	Rigid type	
Braking system		
Main brake	Full-hydraulic, wet-type sealed disc brake	
Auxiliary brake	HST brake	
Parking brake	Spring-set/hydraulic-released wet-type disc brake	
Steering system		
Type	Fully hydraulic (orbitroll)	
Water suction/sprinkling system		
Water suction/road sprinkling/feeding to others	Hydraulic pump	
Tire sprinkling	Electric pump	
Tank capacities		
Fuel tank	L	115
Water sprinkler tank	L	3 700

Note: Data is expressed in SI units, followed by conventional units in () for reference.

■Options

- Separate tank for liquid sprinkling
- Anti-freezing device
- Hydraulic differential lock
- Guard sensor (obstacle sensor)
- Rotary beacon

These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand Operator's Manual for proper operation.