

CS Series

HITACHI

CS125



## Macadam Roller

- Model : CS125
- Engine Rated Output : 55.9 kW (75 HP)
- Operating Weight : 10 040 kg (Standard Specification)  
14 090 kg (14 t with ballast)
- Compaction Width : 2 100 mm

# World-Class Compaction Performance, along with Safety- and Environment-Conscious Design of the Biggest Steel Drums in the Class

- Large 1 640 mm Diameter Drums
- Easy Operation, and Smooth Starts and Stops of Travel
- Easy Access to Operator's Station
- Excellent Visibility per the European Visibility Standard



14 t with ballast  
1.2 t steel ballast drums and  
2.8 t water ballast drums for  
high-density compaction

Emission Regulation  
Tier 2 (in Japan)

Ultra Low Noise  
Regulation (in Japan)

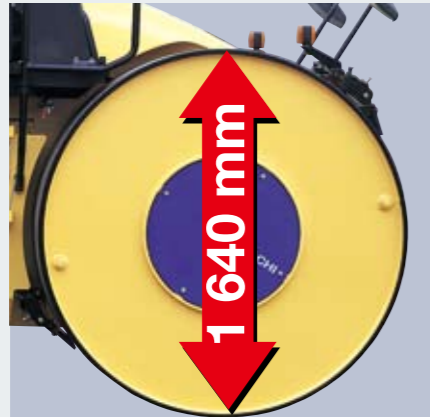
# Operating Ease and Operator Comfort Beyond Customer Expectations

The CS125 Provides Operating Ease, Reliability and Easy Access to Operator's Station

## Easy Operation

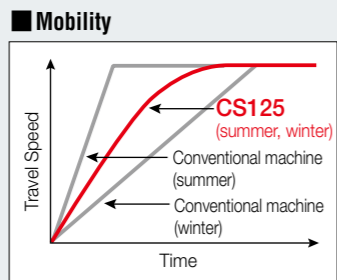
### Big Steel Drums for Smooth Compaction

Three Large 1 640 mm diameter steel drums allow for efficient compaction with smooth surfaces.



### Smooth Starts and Stops

With the newly developed HST drive system, driving power can be easily controlled for smooth starts and stops of travel, despite rapid F/N/R lever handling and seasons (temperature changes).



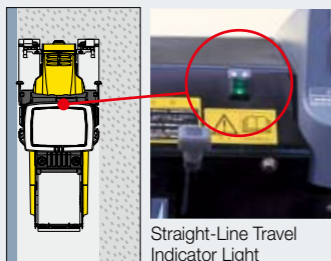
### Sprinkler Timers

The CS125 comes standard with a sprinkler timer to stop sprinkling with the travel lever in neutral, and an intermittent sprinkler timer for water savings.



### Straight-Line Travel Indicator

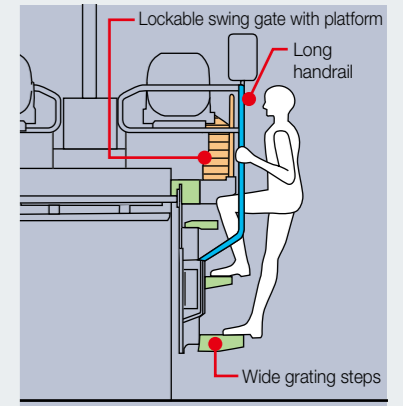
The straight-line travel indicator light goes on when the machine is in straight-line position to facilitate straight-line travel and maneuvering in confined spaces.



## Dependable Designs

### Easy Access to Operator's Station

The CS125 gives easy access to the operator's station with elaborated designs, including lockable swing gate with platform, wide grating steps, and long handrails. The operator can easily see the surfaces and shoulders of a road through the grating steps.



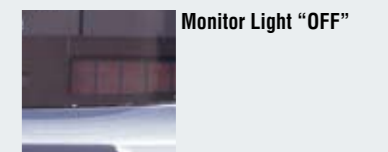
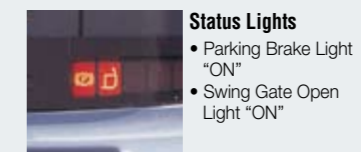
### Lockable Swing Gate with Platform

The CS125 can travel only when the lockable swing gate is closed to enhance safety. When getting in and out of the operator's station, the operator needs to close the gate before starting travel, preventing faulty operation.

#### ● Swing Gate Opened (Unlocked)



#### ● Swing Gate Closed (Locked)



When the swing gate opens, the parking brake is applied automatically to disable travel, preventing the roller from running away.

Swing gate	Open	Close
Parking brake	ON	OFF
F/N/R lever	OFF	ON

# Low Noise Design and Simplified Maintenance

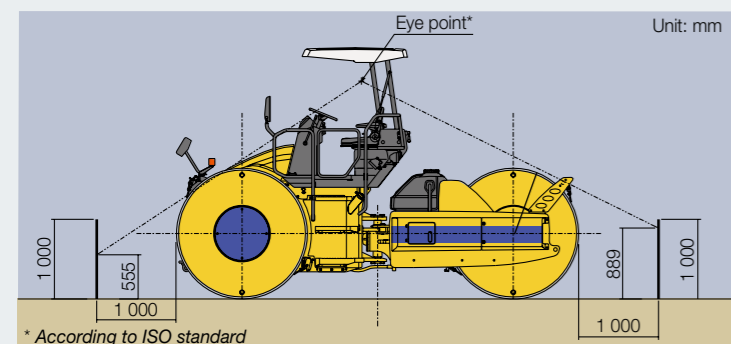
## With Elaborated Designs



### Excellent Visibility Meeting the European Visibility Standard\* "1 x 1 m"

The CS125 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.

\* Safety standard for insurance



### Safe Engine Starting

The engine can start only when the parking brake switch is ON and the F/N/R lever is in neutral.



Parking Brake Switch

### Side Compaction Lights

Side compaction lights are provided for convenience of night-time work and easy access to the operator's station.



### Safety Measures

#### ● Rear Work Lights



#### ● Large Rearview Mirror



### Environmentally Friendly Design

Ultra Low Noise Standard (98 dB)

Clean Engine per Emission Regulations Tier 2

Long 2 000-Hour Hydraulic Oil Change Interval

### Simplified Maintenance

Daily servicing is easy with steps on the front of the machine. The battery storage cover can open wide for easy servicing.



### Folding Canopy

The canopy can be folded from the operator seat.

● Overall setup height: 3 150 mm

● Overall transport height (folded): 2 610 mm



### Ample Capacity Sprinkler Tank

The CS125 is fitted with an ample capacity 670 L sprinkler tank with two large inlets for easy water filling and cleaning.

### Elaborated Accessories

#### ● Adjustable Scraper on Front Drum

The adjustable scraper removes soil and stones from the drum surface to reduce wear and damage.

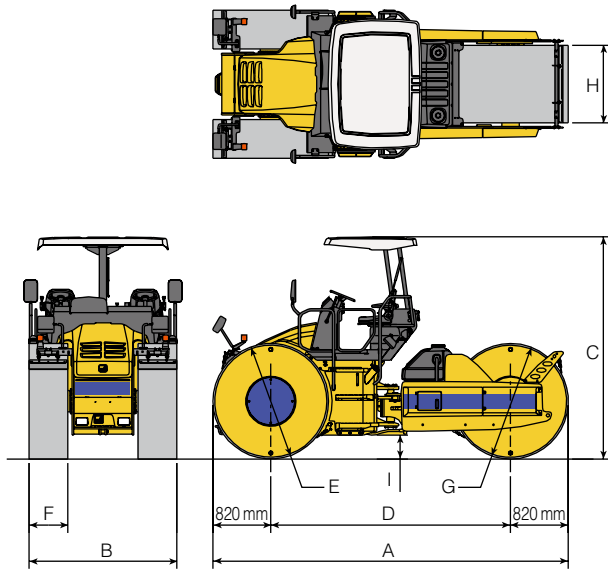


#### ● Large Tool Boxes

Three large tool boxes are provided, including a lockable central box.



## External View



## Dimensions

Unit: mm

	Standard	14 t with ballast
A Overall length	5 040	
B Overall width	2 100	
C Overall height (transport)	3 150 (2 610)	
D Wheel base	3 400	
E Front drum diameter	1 640	
F Front drum width	550	
G Rear drum diameter	1 640	
H Rear drum width	1 100	
I Min. ground clearance	340	245

## Options

- Anti-freezing device
- Rear under-mirror
- Rotary beacon
- Guard sensor (obstacle sensor)

## Specifications

		Standard	14 t with ballast
<b>Weights</b>			
Operating Weight	kg	10 040	14 090
Front drum	kg	5 030	7 055
Rear drum	kg	5 010	7 035
Machine weight	kg	9 300	13 350
Front drum	kg	4 770	6 800
Rear drum	kg	4 530	6 550
<b>Performance</b>			
Travel speeds Low	km/h	0 – 8.0	
High	km/h	0 – 16.5	
Operating weight	Front drum N/cm (kgf/cm)	449 (45.7)	629 (64.1)
	Rear drum N/cm (kgf/cm)	447 (45.5)	627 (64.0)
Machine weight	Front drum N/cm (kgf/cm)	425 (43.4)	606 (61.8)
	Rear drum N/cm (kgf/cm)	404 (41.2)	584 (59.5)
Min. turning radius	m	6.2	
Gradeability (operating weight)	degree (%)	25 (47)	17 (41)
Compaction width	mm	2 100	
Overlap	mm	50	
<b>Engine</b>			
Model	Isuzu AA-4JG1T		
Type	Water-cooled, 4-cylinder direct injection		
Displacement	L (cc)	3.059 (3 059)	
Rated output	kW/min <sup>-1</sup> (HP/rpm)	55.9/2 150 (75/2 150)	
<b>Steering System</b>			
Type	Articulated		
System	Full-hydraulic (orbitroll)		
<b>Brakes</b>			
Service brake	Hydrostatic		
Parking brake	Wet-type multiplate-disc (spring-set/hydraulic-released)		
<b>Water sprinkler</b>	Pressurized water by electric motor		
<b>Tank capacities</b>			
Fuel Tank	L	120	
Sprinkler tank	L	670	

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

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.