

# KOMATSU®

## CD110R-1

**FLYWHEEL HORSEPOWER**  
196 kW **266 HP** @ 2050 rpm

**OPERATING WEIGHT**  
17,900 kg **39,460 lb**

*Utility*



**CD**  
**110R-1**



Photo may include optional equipment

*UTILITY*

CRAWLER CARRIER

## World Class Komatsu Quality

35 years of experience and technology is manufactured into every crawler carrier. Komatsu's ISO certification and critical quality control ensure that every crawler carrier will satisfy the most demanding customer. From design to production, from sales to service, Komatsu means total quality.

## Field-Proven Hydraulic Components

The CD110R incorporates the most advanced hydraulic components in the market today by utilizing field-proven Komatsu hydraulic excavator technology. Rotation and control functions offer excellent performance with unmatched reliability.

## A Full 360 Degree Rotation Capability; Forward-Facing Operator Position Under Any Conditions: No Space Required for U-Turns

The ability of the cab and dump body integrated upperstructure to rotate 360 degrees enables dumping at any angle, while minimizing site-damage. This ability also results in minimal wear of undercarriage, due to reduced steering necessity. The full rotation capability also means the operator can always execute jobs in a forward-facing position, leading to dramatically enhanced speed of operation, without sacrificing comfort.

## Easy Dumping by Foot Pedal Operation

Hand levers and joysticks are used to control forward/reverse direction and the rotation of the upperstructure. Dumping is controlled by foot pedal allowing effective, well-balanced use of both hands and feet.



## Advanced Cab Features

The CD110R offers all the conveniences an operator could want. Superior ventilation and air conditioning are standard equipment. Excellent seating position and well placed low effort controls make work easy on any job site.

## Automatic Parking Brake

When the CD110R comes to a stop, the parking brake will be automatically activated. When in operation, the parking brake will automatically disengage.

## High/Low Transmission

In cases where the load increases during high-speed travel, the transmission can be shifted to low-speed range, providing optimum driving force.



## ENGINE-EPA CERTIFIED

Model	Komatsu SAA6D106E-2
Flywheel Horsepower	196 kw <b>266 HP</b> @ 2050 rpm
Displacement	7.2 ltr. <b>436 cu. in.</b>
Max. Torque	1049 Nm @ 1600 rpm <b>774 ft. lb.</b>
No. of Cylinders	6
Bore/Stroke	108/130 mm <b>4.25" x 5.12"</b>
Fuel Injection	Direct
Cooling System	Thermostatically controlled, liquid cooling
Electrical System	24 volt
Batteries	2 x 12 volt, 170 Ah
Alternator	33A
Air Filter	dry type, dual element with automatic dust evacuator



## TRANSMISSION

Two speed hydrostatic transmission with differential planetary reduction	
Gears	
Forward/Reverse	2/2
Speeds	
1st gear	6.2 km/h <b>3.7 mph</b>
2nd gear	10 km/h <b>6.2 mph</b>



## UNDERCARRIAGE

Bogie type with rubber track for excellent ride and flotation.	
Track tension is easily adjusted with grease gun.	
Suspension	Bogie Type
Track Frame	Box-section, high tensile strength steel construction
Number of Carrier Rollers (for each side)	4
Number of Track Rollers (for each side)	8
Track Shoes	Steel reinforced rubber track, mono-block, rubber shoe
Track Shoe Width	800 mm <b>31.5"</b>
Ground Pressure - Unloaded	.29 kg/cm <sup>2</sup> <b>4.1 psi</b>



## BRAKES

Travel	
Service Brake	Dynamic with hydraulic lock
Parking Brake	Wet, sealed, multiple disc (Parking brake engages automatically when machine is stopped)
Swing	
Service Brake	Hydraulic lock
Holding Brake	Wet, sealed, multiple disc



## OPERATING PERFORMANCE

Max. Payload	11,000 kg <b>24,250 lb</b>
Heaped Capacity	6.4 m <sup>3</sup> <b>8.4 yd<sup>3</sup></b>
Gradeability	30°
Max. Dumping Angle	60°
Dump Body, Dump Speed	10.5 sec.
Dump Clearance	1245 mm <b>4'1"</b>
Upper Structure Swing Radius	3190 mm <b>10'6"</b>
Upper Structure Swing Speed	.4 rpm



## HYDRAULIC SYSTEM

System	Variable Displacement Axial Piston Pump
Hydraulic Pressure	
Travel circuit	340 kg/cm <sup>2</sup> <b>4840 psi</b>
Dump circuit	210 kg/cm <sup>2</sup> <b>2990 psi</b>



## OPERATING WEIGHT

Net Weight - Unloaded	17,900 kg <b>39,460 lb</b>
Gross Weight - Loaded	28,980 kg <b>63,890 lb</b>



## SERVICE REFILL CAPACITIES

Fuel Tank	300 ltr. <b>79.2 US gal.</b>
Coolant System	30.5 ltr. <b>8.1 US gal.</b>
Engine Oil	28 ltr. <b>7.4 US gal.</b>
Hydraulic System	207 ltr. <b>54.7 US gal.</b>
Final Drive, Each Side	6.1 ltr. <b>1.6 US gal.</b>

## Standard equipment

- Adjustable operator's seat
- Air conditioning
- Alternator condition indicator light
- Cab, enclosed w/front & side opening glass
- Decelerator pedal
- Dump body control lever
- Engine coolant temperature gauge
- Engine oil pressure indicator light
- Engine pre-heat w/indicator light
- Front driving lights (2)
- Fuel gauge
- Heater & Defroster
- Horn
- Hourmeter
- Hydrostatic charge pressure indicator light
- Operator controls lock lever
- Parking brake
- Rear view mirrors (2)
- Reverse travel indicator light
- ROP/FOPS canopy
- Seat belt, 3"
- Swing control lever w/indicator light
- Swing lock switch w/indicator light
- Tachometer
- Tool Box
- Travel alarm
- Travel speed selector switch
- Two independent track control travel levers
- Upper structure centering indicator light
- Windshield wiper & washer

## Optional equipment

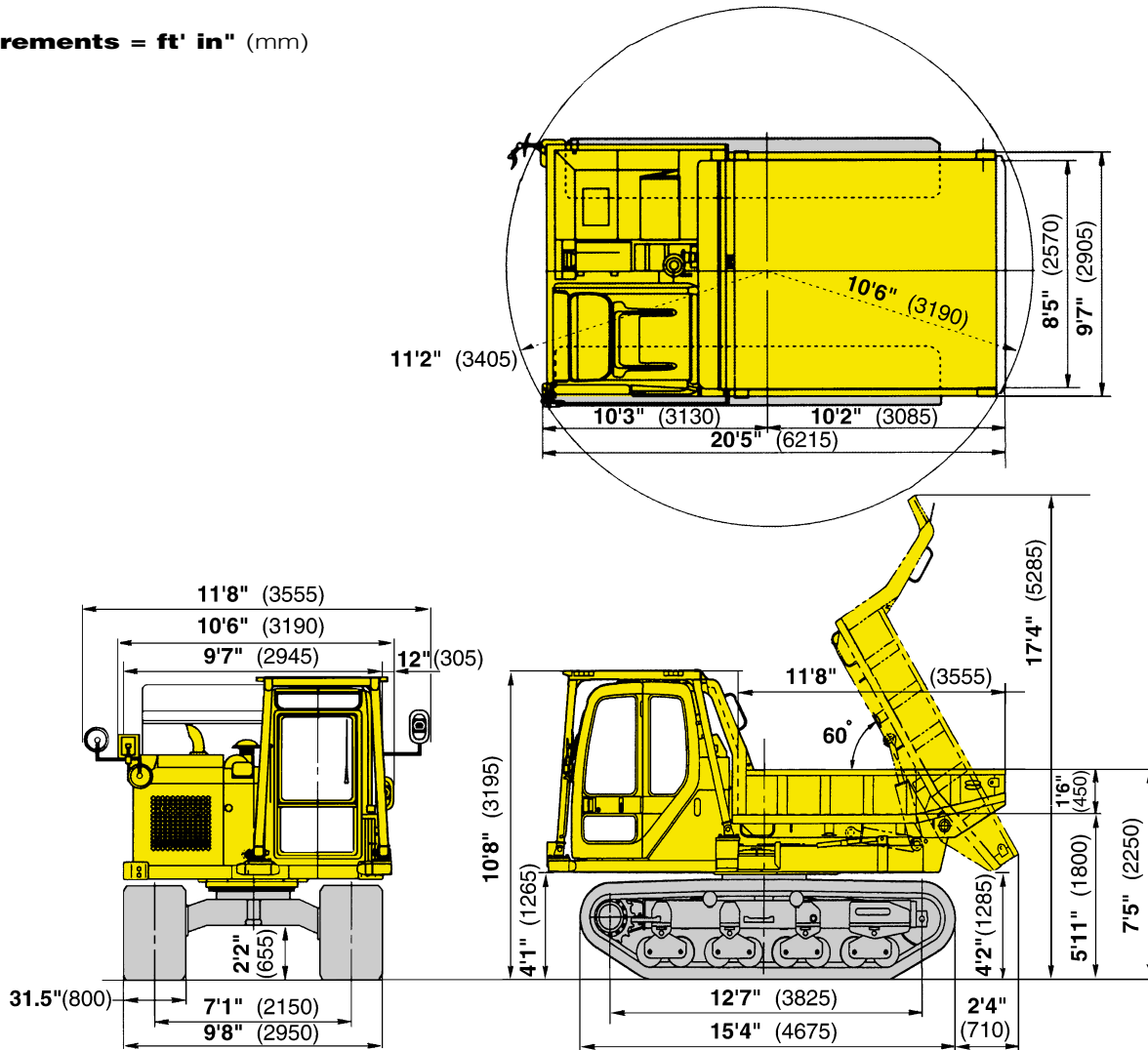
- Dump body

# CD110R-1 Crawler Carrier

## Dimensions

Overall Length .....	6215 mm	<b>20'5"</b>	Dump Body Height .....	1800 mm	<b>5'11"</b>
Overall Width .....	2950 mm	<b>9'8"</b>	Dump Body Length (inside) .....	3555 mm	<b>11'8"</b>
Overall Height .....	3195 mm	<b>10'6"</b>	Dump Body Width (inside) .....	2570 mm	<b>8'5"</b>
Length of Track on Ground .....	3825 mm	<b>12'7"</b>	Dump Body Height (inside) .....	450 mm	<b>1'6"</b>
Track Gauge .....	2150 mm	<b>7'1"</b>	Loading Height .....	2250 mm	<b>7'5"</b>
Min. Ground Clearance .....	655 mm	<b>2'2"</b>	Dump Clearance .....	1285 mm	<b>4'2"</b>

measurements = ft' in" (mm)



This specification sheet may contain attachments and optional equipment that are not available in your area. Please contact your local Komatsu Utility Corporation distributor for those items you may require. Materials and specifications are subject to change without notice.

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