

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 266 HP @ 2050 rpm
Displacement	7.2 ltr. 436 cu. in.
Max. Torque	1049 Nm @ 1600 rpm 774 ft. lb.
No. of Cylinders	6
Bore/Stroke	108/130 mm 4.25" x 5.12"
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 3.7 mph
2nd gear	10 km/h 6.2 mph



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 31.5"
Ground Pressure - Unloaded	.29 kg/cm ² 4.1 psi



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 24,250 lb
Heaped Capacity	6.4 m ³ 8.4 yd³
Gradeability	30°
Max. Dumping Angle	60°
Dump Body, Dump Speed	10.5 sec.
Dump Clearance	1245 mm 4'1"
Upper Structure Swing Radius	3190 mm 10'6"
Upper Structure Swing Speed	.4 rpm



HYDRAULIC SYSTEM

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



OPERATING WEIGHT

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



SERVICE REFILL CAPACITIES

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

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

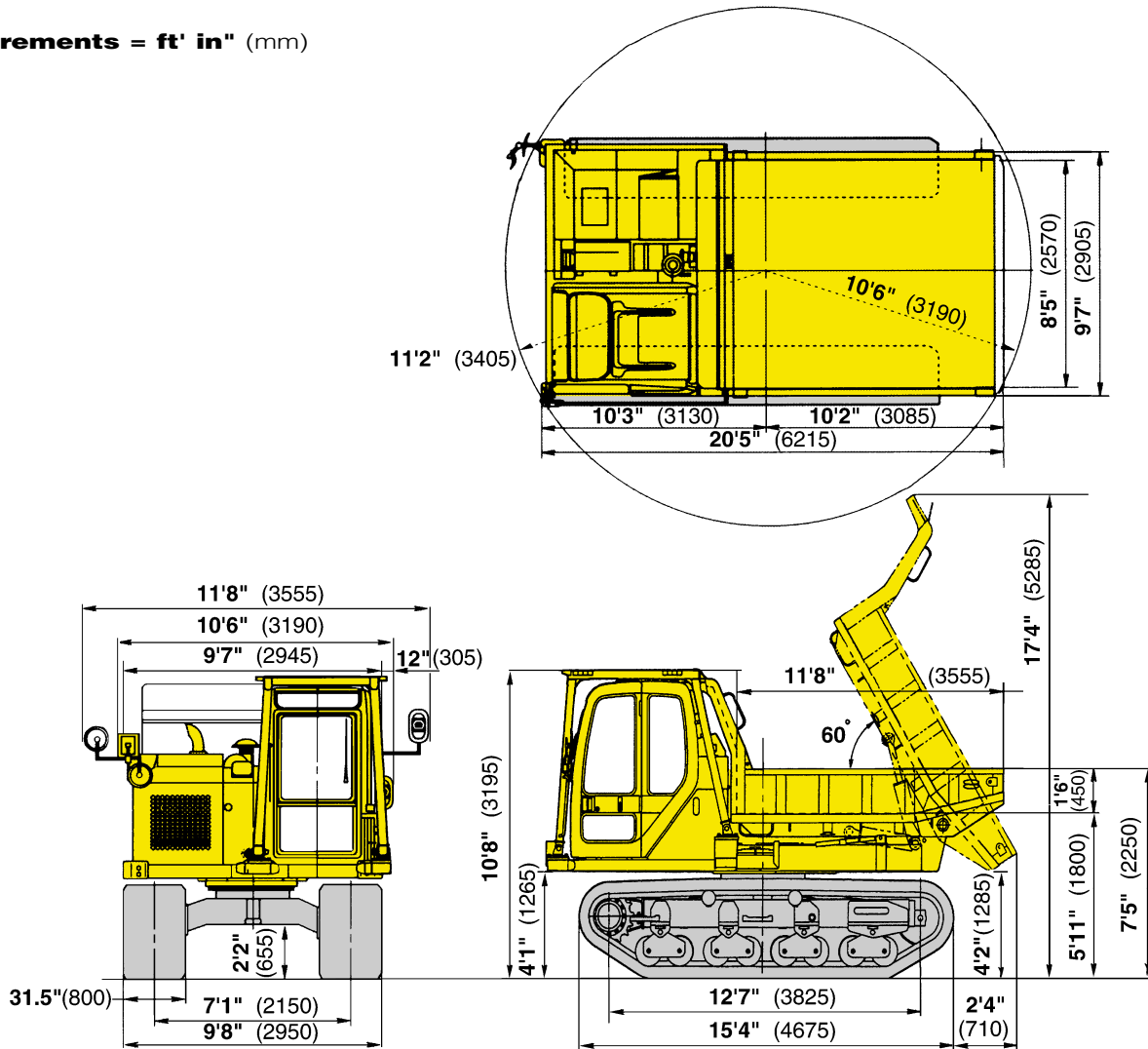
- Dump body

CD110R-1 Crawler Carrier

Dimensions

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

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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