

# Cat<sup>®</sup> CL115

LHD VEHICLE

## Specifications

### Capacities – Depending on Model

Bucket Payload – Maximum (RAS Forks, Maximum Payload 609.6 mm [24 in] load from fork face)	13 608 kg	30,000 lb
Maximum Braked Trailer Mass Consult Caterpillar	TBS Required for Combinations	

### Standard Ejector Bucket

Heaped Capacity (SAE)	2.7 m <sup>3</sup>	3.5 yd <sup>3</sup>
Struck Capacity	2.3 m <sup>3</sup>	3 yd <sup>3</sup>

### Weight

Unladen with full tanks and bucket	24 490 kg	54,000 lb
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### Engine (4 Cylinder)

Type	Diesel, Turbocharged, and 4 Cycle	
Cooling System	Water Based Radiator	
Cooling Fan	Hydraulic Driven Fan	
Engine Make/Model	Deutz 1013FC	
Displacement	4.76 L	290.7 in <sup>3</sup>
Maximum Power Tested	112 kW @ 2,300 rpm	150 hp @ 2,300 rpm
Maximum Torque Tested	651 N·m	480 lb·ft

- Caterpillar, MSHA Approval # 07-080001

### Engine Speeds

Low Idle	650 rpm
High Idle	2,300 rpm

### Start System

Starter Motor Type	Air
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### Intake Air Cleaner

Type	Dry
Intake Dual Element Type	Primary and Secondary

### Exhaust Conditioner

Type	Ultra Flow Dry Scrubber
Make	Caterpillar
Aftertreatment	Catalytic Exhaust Purifier
DPM Control	Disposable Filter 97% Eff.

### Transmission

Type	Power Shift with Forward/Reverse
Make/Model	Dana 32000 Series
Speeds, Forward and Reverse	8

### Torque Converter

Type	Mounted on Engine, Single Element
Make/Model	Dana/C270

### Axles (Front/Rear)

Type	Outboard Planetary
Make/Model	Kessler 82
Differential Type	Bevel Gear and Pinion

### Wheels

Make/Model	3 Piece (Heavy Duty)
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### Tires – Standard

Size	14 × R24 L3
Ply Rating	Radial
Inflation Media	Air
Load/Speed Rating	Per Manufacturer's Specifications
Size	17.5 × R25 L3
Ply Rating	Radial
Inflation Media	Air
Load	Per Manufacturer's Specifications

# CL115 LHD Vehicle

## Hydraulic Systems

Steer/Brake System	Closed Center, Pressure Comp
Bucket/PTO System	Closed Center, Pressure Comp
Auxiliary System	Closed Center, Pressure Comp

## Hydraulic Filtration

Main Hydraulic	34 474 kPa (5,000 psi)/ 5 Micron
Auxiliary	34 474 kPa (5,000 psi)/ 5 Micron
Common Return	689.5 kPa (100 psi)/ 5 Micron

## Main Hydraulic/Steering Pump

Type	Pressure Compensated Piston
Standard Pump Output @ 2,250 rpm	129 L/min    34 gal/min

## Cylinders

Type	Double Acting
Rods	Hard Chromed
Counterbalance Load Lock Valves	Lift and Tilt

## Steering System

Control Valve	Closed Center
Actuation	HRO Control

## Accumulator Brakes

Type	Piston
Quantity × Capacity	1900 cc    116 in <sup>3</sup>
Operating Precharge Pressure – Nitrogen	6205 kPa    900 psi

## Bucket System

Control Valve	Closed Center
Actuation	Hydraulic Pilot

## Articulation

Bearing Type and Size	Pin and Bearing
Bush Material	Hardened Steel
Pin Material	Hardened Steel
Degrees of Turn Either Side	45 Degree

## Oscillation

Type	Ball Bearing at Articulation
Degrees Up and Down from Horizontal	8 Degree

## Seating (Driver)

Type	Adjustable Cross-Seated
Suspension	Adjust Spring/Shock Absorb

## Canopy

Type	Adjustable Cab
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- Cert. to MSHA req. or opt. ROPS/FOPS to (MDG1)

## Electrical System

Type	Approved Flameproof
Voltage	12V
Polarity	Floating

## Lights

Number/Location	2 Front, 2 Rear
Type	VICTOR

## Alternator

Drive	Hydraulic
Type	Caterpillar Flameproof

## Pneumatic System

Compressor Type	Piston Engine Gear Driven
Governed Pressure	827.4 kPa    120 psi
Relief Pressure	896.3 kPa    130 psi
Air Receiver Volume	41.6 L    11 gal

## Service Capacities

Hydraulic Tank	250 L	66 gal
Fuel Tank	151 L	40 gal

## Vehicle Speeds

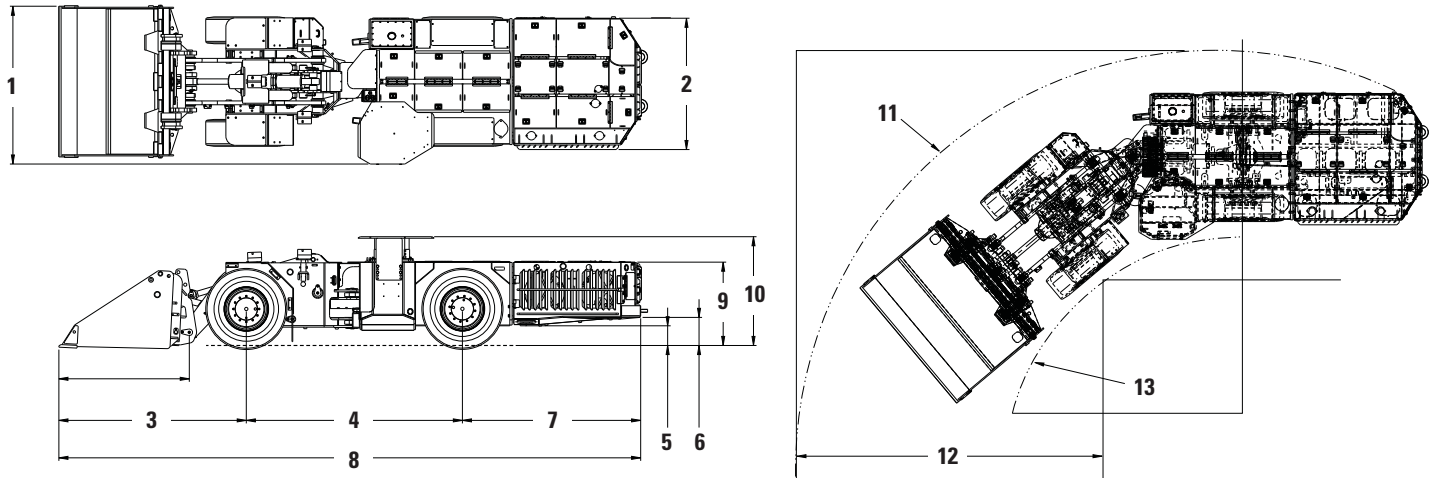
1st Gear – Maximum	1.9 km/h	1.2 mph
2nd Gear – Maximum	4.2 km/h	2.6 mph
3rd Gear – Maximum	7.1 km/h	4.4 mph
4th Gear – Maximum	11.1 km/h	6.9 mph
5th Gear – Maximum	4.8 km/h	3.0 mph
6th Gear – Maximum	9.8 km/h	6.1 mph
7th Gear – Maximum	16.7 km/h	10.4 mph
8th Gear – Maximum	25.9 km/h	16.1 mph

## Maximum Tractive Effort

- Refer to Engineering for Information Dependant on the Applications.

## Grade Ability

Front to Rear	1:4
Side to Side (empty) RAS	
Raised 300 mm (11.8 in) from Floor	1:4
Side to Side (laden bucket load fully raised)	1:8



**Dimensions** (All dimensions are approximate.)

<b>1</b> Width – Over Bucket	2409.4 mm	102.74 in
<b>2</b> Width	2171.7 mm	95.50 in
<b>3</b> Length – Front Axle to Bucket	3099.1 mm	122.01 in
<b>4</b> Length – Wheel Base	3573.8 mm	140.70 in
<b>5</b> Height – Ground Clearance	325.7 mm	12.82 in
<b>6</b> Height – Ground Clearance	464.3 mm	18.28 in
<b>7</b> Length – Rear Axle to Bumper	2947.9 mm	116.06 in
<b>8</b> Length – Overall with Bucket	9620.8 mm	378.77 in
<b>9</b> Height – Top of Hood	1378.2 mm	54.26 in
<b>10</b> Height – Top of ROPS	1798.8 mm	70.82 in
<b>11</b> Outer Turning Radius	6210.7 mm	244.51 in
<b>12</b> Entry Width	4004.3 mm	157.65 in
<b>13</b> Inner Turning Radius	3432.5 mm	135.14 in

Detailed GA drawings available for specific dimensions and component locations.

# CL115 LHD Vehicle

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For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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