



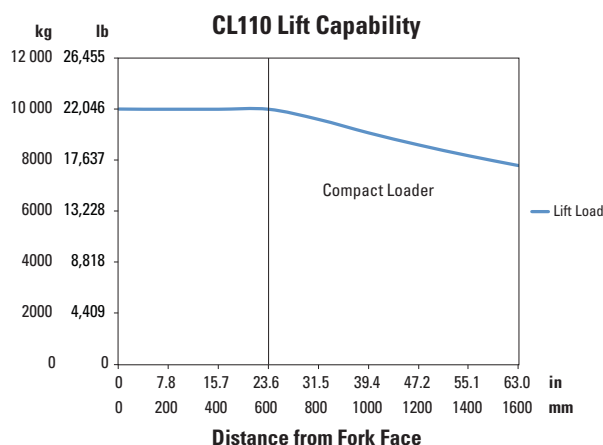
Cat® CL110

LHD VEHICLE

Specifications

Capacities

Bucket Payload	up to 8000 kg	up to 17,636 lb
RAS Forks, Maximum Payload 600 mm (23.6 in) from Fork Face	up to 10 000 kg	up to 22,046 lb
Maximum Braked Trailer Mass	Consult Bucyrus	



Standard Ejector Bucket

Heaped Capacity (SAE)	2.7 m ³	3.5 yd ³
Struck Capacity	2.25 m ³	2.9 yd ³

Weight

Unladen with Full Tanks and Bucket	21 500 kg	47,400 lb
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Engine (6 Cylinder)

Type	Diesel, Turbocharged	
Cooling System	Water Based Radiator	
Cooling Fan	Hydraulic Driven Fan	
Engine Make/Model	Cat® C7	
Displacement	7.2 L	439.3 in ³
Maximum Power Tested	171.5 kW (230 hp) @ 2,200 rpm	
Maximum Torque Tested	895 N·m (660 lb-ft) @ 1,700 rpm	

Engine Speeds

Low Idle	800 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	Flameproof Water Bath Conditioner
Make	Bucyrus
Aftertreatment	Catalytic Exhaust Purifier

Transmission

Automatic/Manual	
Type	Power Shift with Forward/Reverse Modulation
Speeds, Forward and Reverse	4

Torque Converter

Type	Mounted on Engine, Single Element
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Axles (Front/Rear)

Type	Inboard Planetary
Differential Type	Bevel Gear and Pinion

Wheels

Make/Model	5 Piece (Heavy Duty)
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Tires – Standard

Size	17.5 × 25 L3
Ply Rating	Radial
Inflation Media	Pneumatic
Load/Speed Rating	Maximum 6 km/h (3.7 mph) when loaded 8 tonnes (8.8 tons)



CL110 LHD Vehicle

Hydraulic Systems

Hydraulic Filtration

Steer/Brake System	Pressure 10 Micron
Bucket/PTO System	Pressure 10 Micron
Auxiliary System	Pressure 10 Micron
Common Return	Tank Mounted, 25 Micron Replaceable with Bypass

Steering System

Valve and Actuation Cylinders	Orbital
Tank Type	Pressure Tank Sealed

Operational System

Control Valve	Closed Center
Actuation	Directional Joysticks

Articulation

Bearing Type and Size	Pin and Bearing
Bush Material	Steel
Pin Material	Steel
Degrees of Turn Either Side	43 Degree

Oscillation

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

Seating (Operator)

Type	Cross Seated
Suspension	Air Suspension

Canopy

Type	Adjustable Cab FOPS
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Electrical System

Type	Approved Flameproof
Voltage	24V
Polarity	Floating

Lights

Number/Location	2 × Front and Rear
Type	Bucyrus Flameproof

Alternator

Drive	Hydraulic
Type	Bucyrus Flameproof

Pneumatic System

Compressor Type	Piston Engine Gear Driven
Governed Pressure	830 kPa 116 psi
Relief Pressure	896 kPa 120 psi
Air Receiver Volume	150 L 40 gal

Service Capacities

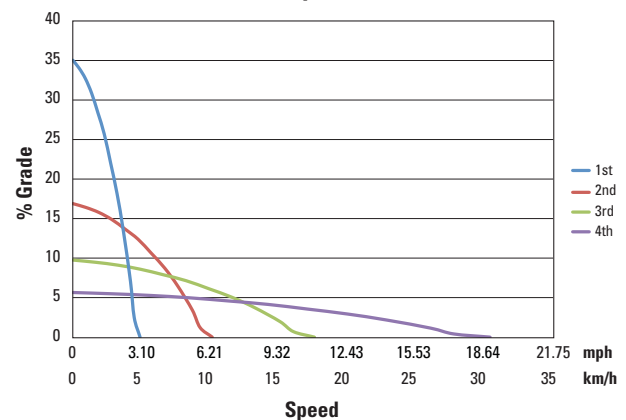
Hydraulic Tank	250 L	66 gal
Fuel Tank	150 L	40 gal
Main Air Receiver	150 L	40 gal
Transmission	40 L	10.6 gal
Converter Oil	40 L	10.6 gal
Engine Crankcase Oil (with Filter)	25 L	6.6 gal
Engine Cooling System Water	72 L	19 gal
Axle Oil (Each)	18 L	4.7 gal
Water Make Up Tank	300 L	79 gal

Vehicle Speeds

Maximum speeds are limited to the load being carried 2nd gear maximum.

1st Gear – Maximum	3.5 km/h	2.2 mph
2nd Gear – Maximum	7 km/h	4.4 mph
3rd Gear – Maximum	14 km/h	8.7 mph
4th Gear – Maximum	26 km/h	16.1 mph

Grade V Speed CL110



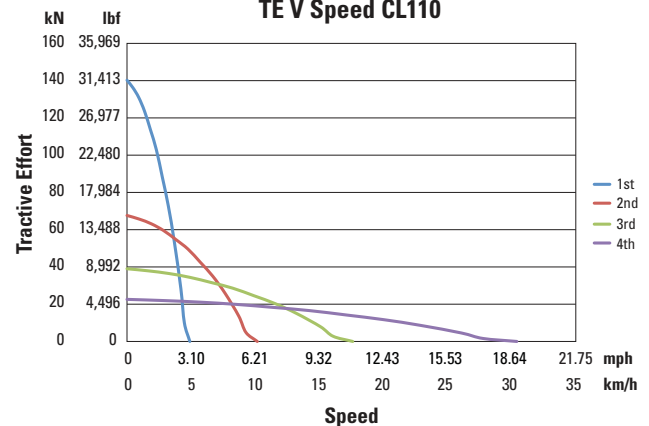
Maximum Tractive Effort

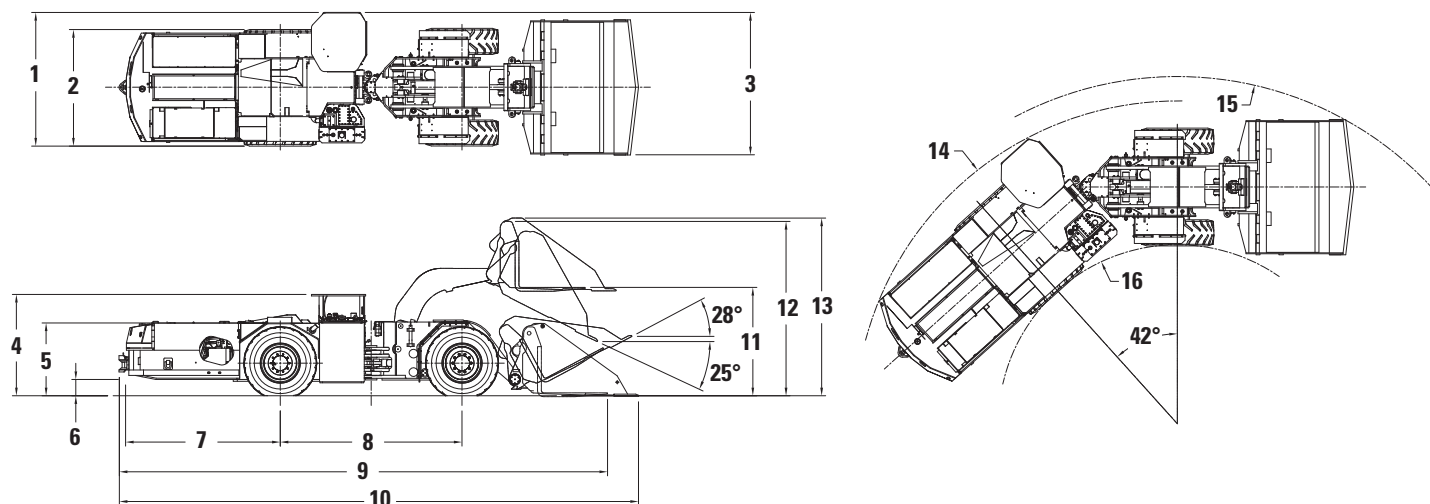
Refer to engineering for information dependant on the applications.

Grade Ability

Front to Rear	1:4
Side to Side (Empty) Cockie Plate Raised 300 mm (0.98 ft) from Floor	1:4
Side to Side (Laden Bucket Load Fully Raised)	1:8

TE V Speed CL110





Dimensions (All dimensions are approximate.)

1 Width – Overall	2500 mm	98.4 in
2 Width – Over Wheels	2150 mm	84.6 in
3 Width – Overall Over Bucket	2625 mm	103.3 in
4 Height – Top of ROPS		
Low Cab Mounts	1700 mm	66.9 in
Mid Cab Mounts	1800 mm	70.9 in
High Cab Mounts	1900 mm	74.8 in
5 Height – Top of Covers	1350 mm	53.1 in
6 Height – Ground Clearance	300 mm	11.8 in
7 Length – Rear Axle to Bumper	2850 mm	112.2 in
8 Length – Wheel Base	3350 mm	131.9 in
9 Length – Overall with Fork	9000 mm	354.3 in
10 Length – Overall with Bucket	9570 mm	376.8 in
11 Lift Height – Top of Fork	2000 mm	78.7 in
12 Lift Height – Fork Frame	3220 mm	126.8 in
13 Lift Height – Bucket Raised	3300 mm	129.9 in
14 Outer Radius – Rear Frame	5950 mm	234.2 in
15 Outer Radius – Bucket	6400 mm	252.0 in
16 Inner Radius	3300 mm	129.9 in

CL110 LHD Vehicle

STANDARD EQUIPMENT

- The CL110 comes standard with the Rapid Attachment System (RAS) for rapid pick up and release of attachments.

OPTIONAL EQUIPMENT

- | | | |
|--|--|---------------------------|
| ■ Forks with Side Shift | ■ Cockie Plate with Winch Front Type C | ■ Manual Side Shift Forks |
| ■ Slewing Jib Crane | ■ Belt/Cable Reeler | ■ Work Platform |
| ■ 3 m ³ (3.9 yd ³) Bucket – Spade or Straight Lip | | |

Contact your local Cat representative for further information on any of the above listed attachments. If you have a specific job task requirement or an attachment that is not listed let Cat assist by developing a solution for and with you.

