

# Cat<sup>®</sup> CL106

LHD Vehicle

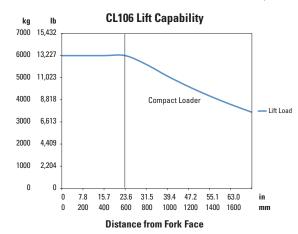
# **Specifications**

### **Capacities**

Bucket Payload up to up to 6000 kg 13,227 lb

RAS Forks, Maximum Payload 600 mm up to up to (23.6 in) Load from Fork Face 6000 kg 13,227 lb

Maximum Braked Trailer Mass Consult Caterpillar



### **Standard Ejector Bucket**

Heaped Capacity (SAE)	2.7 m <sup>3</sup>	3.5 yd <sup>3</sup>
Struck Capacity	2.25 m <sup>3</sup>	2.9 yd <sup>3</sup>

### Weight

21 200 kg	46,737 lb
27 200 kg	59,965 lb
	3

### **Engine (6 Cylinder)**

Linginio (o Oyinnaoi)	
Туре	Diesel, Turbocharged, and 4 Cycle
Cooling System	Water Based Radiator
Cooling Fan	Hydraulic Driven Fan
Engine Make/Model	MWM
Displacement	6.45 L 393.6 in <sup>3</sup>
Maximum Power Tested	117 kW (157 hp) @ 2,200 rpm
Maximum Torque Tested	585 N·m (431 lb-ft) @ 1,400 rpm

## **Engine Speeds**

Low Idle	800 rpm
High Idle	2,800 rpm

### **Start System**

Chautau Matau Toura	Λ:
Starter Motor Type	AIr

### **Intake Air Cleaner**

Type	Dry
Intake Dual Element Type	Primary and Secondary

### **Exhaust Conditioner**

Type	Flameproof Wet
Make	Caterpillar
Exhaust Filter	Replaceable Element Except China
Exhaust Flame Trap	Replaceable China and RSA
Aftertreatment	Catalytic Exhaust Purifier

### **Transmission**

Туре	Power Shift with Forward/ Reverse Modulation
Speeds, Forward and Reverse	4

### **Torque Converter**

Type	Mounted on Engine,
	Single Element

### Axles (Front/Rear)

Type	Inboard Planetary
Differential Type	Bevel Gear and Pinion

### Wheels

Make/Model 5 Piece (Heavy Duty)



# **CL106 LHD Vehicle**

Tires – Standard			
Size	14.00 × 24 L3		
Ply Rating	Radial		
Inflation Media	Air		
Load/Speed Rating	Maximum 6 k when loaded (6.6 tons)		
Size	$17.5 \times 25 \text{ L}3$		
Ply Rating	Radial		
Inflation Media	Air		
Hydraulic Filtration			
Steer/Brake System	Pressure 10 N	/licron	
Bucket/PTO System	Pressure 10 N	<b>Micron</b>	
Auxiliary System	Pressure 10 N	/licron	
Common Return	Tank Mounte Replaceable	.,	
Articulation			
Degrees of Turn Either Side	43 Degree		
Oscillation			
Type	Ball Bearing	at Articulation	
Degrees Up and Down from Horizontal	8 Degree		
Seating (Driver)			
Туре	Cross-seated	1	
Suspension	AdjustSpring/		
	Shock Absort	oer	
Canopy			
Туре	Cab to (MDG1	1)	
Electrical System			
Type	Approved Fla	meproof	
Voltage	12V		
Lights			
Number/Location	2 Front, 2 Rea	r	
Туре	Flameproof		
Alternator			
Drive	Hydraulic		
Туре	Flameproof		
Pneumatic System			
Compressor Type	Piston Engine	Gear Driven	
Governed Pressure	830 kPa	116 psi	
Relief Pressure	896 kPa 120 psi		
Air Receiver Volume	80 L	2.8 ft <sup>3</sup>	

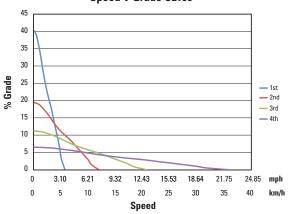
# **Service Capacities**

250 L	66 gal	
150 L	40 gal	
80 L	21 gal	
40 L	10.6 gal	
40 L	10.6 gal	
22 L	5.8 gal	
72 L	19 gal	
18 L	4.7 gal	
300 L	79 gal	
	150 L 80 L 40 L 40 L 22 L 72 L 18 L	150 L 40 gal 80 L 21 gal 40 L 10.6 gal 40 L 10.6 gal 22 L 5.8 gal 72 L 19 gal 18 L 4.7 gal

# **Vehicle Speeds**

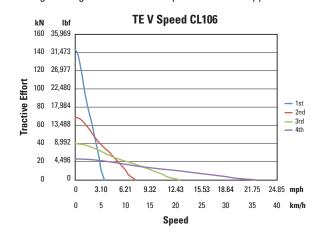
Maximum speeds are limited to the load being carried 2nd gear maximum.			
1st Gear – Maximum	4 km/h	2.5 mph	
2nd Gear – Maximum	8 km/h	5 mph	
3rd Gear – Maximum	14 km/h	8.7 mph	
4th Gear – Maximum	24 km/h	14.9 mnh	

### Speed V Grade CL106



### **Maximum Tractive Effort**

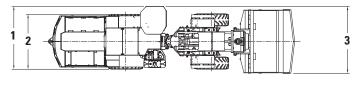
Refer to engineering for information dependant on the applications.

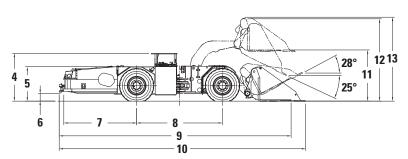


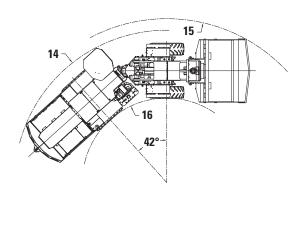
# **Grade Ability**

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

# **CL106 LHD Vehicle**







# **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	2845 mm	112.2 in
8 Length – Wheel Base	3350 mm	131.9 in
9 Length – Overall with Fork	9100 mm	358.3 in
10 Length – Overall with Bucket	9650 mm	379.9 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

# **CL106 LHD Vehicle**

### STANDARD EQUIPMENT

 The Cat® CL106 comes standard with the Rapid Attachment System (RAS) for rapid pick up and release of attachments.

### **OPTIONAL EQUIPMENT**

- Forks with Side Shift
- Slewing Jib Crane

- 3 m³ (3.9 yd³) Bucket Spade or Straight Lip
- Belt/Cable Reeler

- Manual Side Shift Forks
- Work Platform

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 Caterpillar assist by developing a solution for and with you.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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