

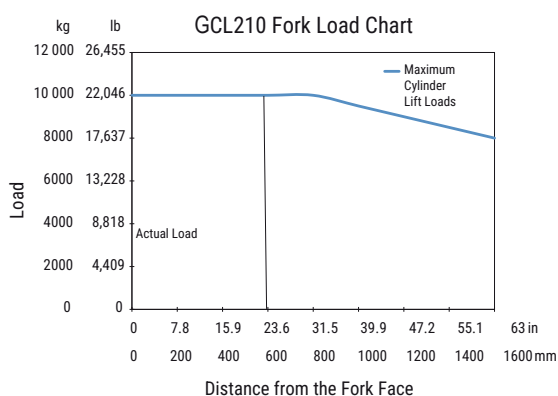
LHD/ UTILITY VEHICLE GCL210



Specification

Capacities

Bucket Payload	8000 kg	7,636 lb
RAS Forks, Maximum Payload	10 000 kg	22,046 lb
RAS Slewing Jib, Maximum Payload	7000 kg	15,432 lb
RAS Belt/Cable Reeler, Maximum Payload	7000 kg	15,432 lb
Maximum Un-braked Trailer Mass	10 000 kg	22,046 lb
Maximum Braked Trailer Mass	Consult Gainwell	



Standard Ejector Bucket

Heaped Capacity (SAE)	3.5 m ³	4.6 yd ³
Struck Capacity	2.7 m ³	3.5 yd ³

Weight

Unladen with Full Tanks and Bucket	22 170 kg	48,862 lb
Laden with Forks and 10T Load	32 170 kg	70,922 lb

Engine

Type	Diesel, Turbocharged, 4 Cycle	
Cooling System	Water Based Radiator	
Cooling Fan	Hydraulic Driven Fan	
Engine Make/Model	Cat 3126	
Displacement	7.2 L	439.3 in ³
Maximum Power	172 kW (230 hp) @ 2,200 rpm	
Maximum Torque	720 N·m (531 lb-ft) @ 1,400 rpm	

Engine Speeds

Low Idle	800 rpm
High Idle	2,700 rpm
Governed	2,600 rpm

Fuel Consumption

At Full Power	37.5 L/hr	9.9 gal/hr
Average Mine Duty	8-30 L/hr	2.1-7.9 gal/hr

Start System

Starter Motor Type	Air Turbine Type
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Intake Air Cleaner

Type/Make	Dry Dual Element
Intake Flame Trap	Spiral Wound Type

Exhaust Conditioner

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

Transmission

Type	Power Shift with Forward/Reverse
Speeds, Forward and Reverse	4

Axles Standard

Type	Outboard Planetary
Front Axle	Fixed
Rear Axle	Bolster Mount

Wheels

Make/Model 5 Pieces (Heavy Duty)

Tires

Type XKA Tires
Size 17.5 x R25
Ply Rating Radial
Inflation Media Air
Inflation Pres. 800 kPa 116 psi

Hydraulic Filtration

Bucket System Return 10 Micron Replaceable with Bypass
Steer/Brake System Pressure 10 Micron Replaceable with Bypass

Articulation

Degrees of Turn Either Side 43 Degree

Oscillation

Degrees Up and Down from Horizon 7.5 Degree

Seating (Driver)

Type Cross-seated

Canopy

Type Protective Device ROPS/FOPS

Electrical System

Type Approved Flameproof
Voltage 12V
Polarity Floating Chassis

Shutdown System

System Type DCS Electronic Intrinsically Safe Approved
Standard Shutdowns Low Engine Oil Pressure
Exhaust Temperature
Engine Coolant Level
Engine Coolant Temperature
Turbo Temperature
Scrubber Level 1
Scrubber Level 2
Optional Shutdowns High Methane
Low Hydraulic Oil
Exhaust Scrubber Temperature

Lights

Number/Location 2 Front, 2 Rear
Approved Flameproof

Alternator

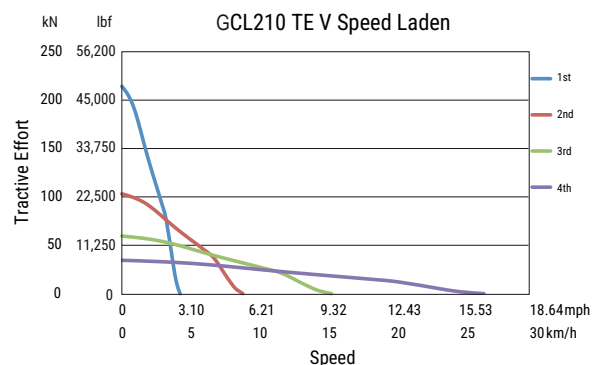
Drive Hydraulic
Type Approved Flameproof

Pneumatic System

Compressor Type Piston Engine Gear Driven
Air Flow 0.340 m³/min (12.01 ft³/min) @ 1,500 rpm
Governed Pressure 800 kPa 116 psi
Relief Pressure 830 kPa 120 psi
Air Receiver Volume 80 L 21 gal

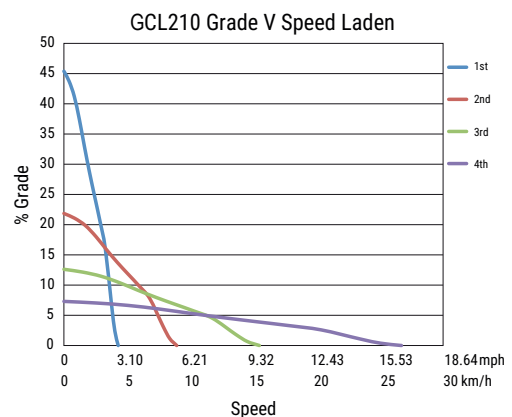
Vehicle Speeds

1st Gear 3.8 km/h 2.3 mph
2nd Gear 7.8 km/h 4.8 mph
3rd Gear 13.6 km/h 8.5 mph
4th Gear 23.4 km/h 14.5 mph



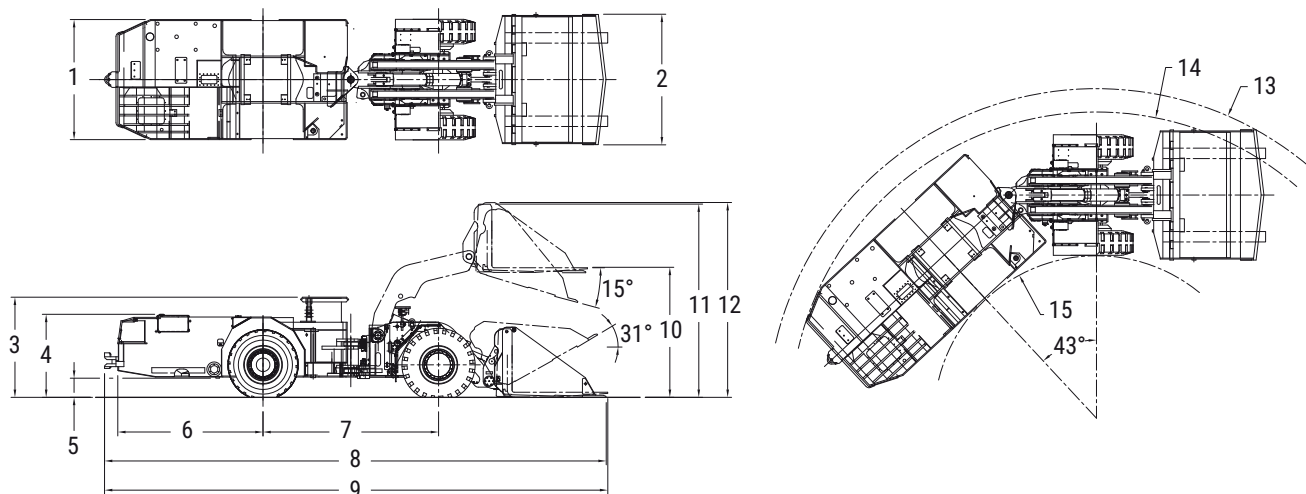
Grade Ability

Front to Rear 1:4
Side to Side (Empty) 1:4
Side to Side (Loaded) 1:8



Service Capacities

Hydraulic Tank 250 L 66 gal
Fuel Tank 200 L 53 gal
Main Air Receiver 80 L 21 gal
Transmission/Converter Oil 40 L 10.6 gal
Engine Crankcase Oil (with Filter) 22 L 5.9 gal
Engine Cooling System Water 72 L 19 gal
Axle Oil (Each) 60 L 15.9 gal
Water Make Up Tank 450 L 118.9 gal


Dimensions (All dimensions are approximate.)

1 Width		2300 mm	90.55 in
2 Width – Overall		2500 mm	98.4 in
3 Height – Top of ROPS	LOW Canopy Mount	1864 mm	73.4 in
Height – Top of ROPS	MID Canopy Mount	1927 mm	75.8 in
Height – Top of ROPS	HIGH Canopy Mount	1990 mm	78.3 in
4 Height – Top of Covers		1590 mm	62.6 in
5 Height – Ground Clearance		370 mm	14.6 in
6 Length – Rear Axle to Bumper		2780 mm	109.4 in
7 Length – Wheel Base		3360 mm	132.3 in
8 Length – Overall with Bucket		9605 mm	378.1 in
9 Length – Overall with Fork		9635 mm	379.3 in
10 Lift Height of Fork		2490 mm	98 in
11 Lift Height – Fork Frame		3700 mm	145.7 in
12 Lift Height – Bucket Raised		3730 mm	146.9 in
13 Outer Turn Radius Bucket		6310 mm	248.4 in
14 Outer Turn Radius Frame		5863 mm	230.8 in
15 Inner Turn Radius		3110 mm	122.5 in

STANDARD EQUIPMENT

- The GCL210 comes standard with the Rapid Attachment System (RAS) for rapid pick up and release of attachments.

OPTIONAL EQUIPMENT

- | | | |
|--|---|----------------------------------|
| ■ 10 000 kg (22,046 lb) Forks with Side Shift | ■ Pipe Trailer | ■ Fuel Pod |
| ■ 7000 kg (15,432 lb) Slewing Jib Crane | ■ Power Assist Ready | ■ Concrete Kibble |
| ■ 3.5 m ³ (4.6 yd ³) Bucket – Spade or Straight Lip | ■ 7000 kg (15,432 lb) Belt/Cable Reeler | ■ Trailer Towing Adapter (SH150) |
| ■ 5 m ³ (6.5 yd ³) Bucket (Direct Mount) | ■ 10 000 kg (22,046 lb) Manual Side Shift Forks | ■ Trailer Power Assist (SH150) |
| ■ General Purpose Trailer | ■ Work Platform | |

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