

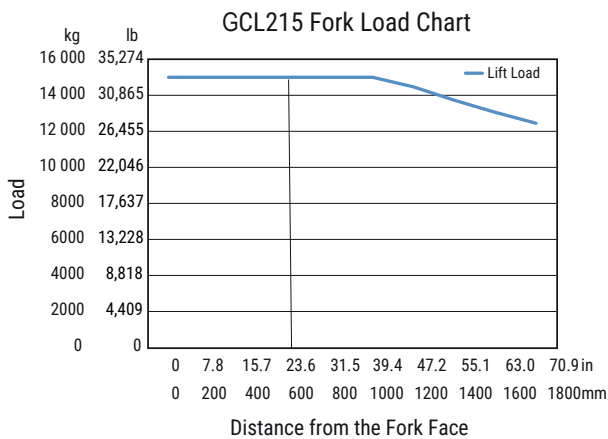


LHD VEHICLE GCL215

Specification

Capacities

Bucket Payload	12 000 kg	26,455 lb
RAS Forks Maximum, Payload	15 000 kg	33,069 lb
RAS Fixed Jib Maximum Payload	10 000 kg	22,046 lb
RAS Slewing Jib Maximum Payload	8000 kg	17,636 lb
RAS Belt Reeler	12,000kg	16,455 lb
Maximum Un-braked Trailer Mass	15 000 kg	33,069 lb
Maximum Braked Trailer Mass	Consult Gainwell	



Standard Ejector Bucket

Heaped Capacity (SAE)	4.5 m ³	5.9 yd ³
Struck Capacity	3.5 m ³	4.6 yd ³

Weight

Operating with Bucket Only	29 000 kg	63,933 lb
Operating without Bucket	26 500 kg	58,422 lb
Maximum Laden	44 000 kg	97,003 lb

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
Exhaust Filter	Replaceable Element Except China
Exhaust Flame Trap Aftertreatment	Replaceable China 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	Trunnion Mount

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	

Tires – Standard

Type	XKA Tires
Size	20.5 × R25
Ply Rating	Radial
Inflation Media	Air
Inflation Pressure – Front	760 kPa 110 psi
– Rear	760 kPa 110 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
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Oscillation

Degrees Up and Down from Horizon	7.5 Degree
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Seating (Driver)

Type	Cross-seated
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Canopy

Type Protective Device	MDG1
Optional 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
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Wheels

Make/Model	5 Pieces (Heavy Duty)
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Alternator

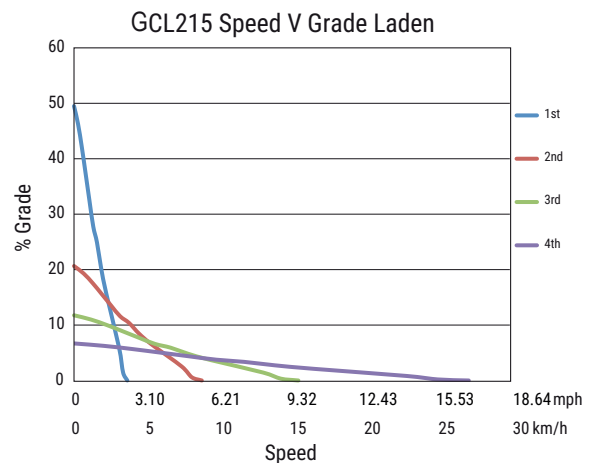
Drive	Hydraulic
Type	Approved Flameproof

Pneumatic System

Compressor Type	Piston Engine Gear Driven	
Air Flow	0.340 m ³ /min (12 ft ³ /min) @ 1,500 rpm	
Governed Pressure	800 kPa	116 psi
Relief Pressure	830 kPa	120 psi
Air Receiver Volume	80 L	2.8 ft ³

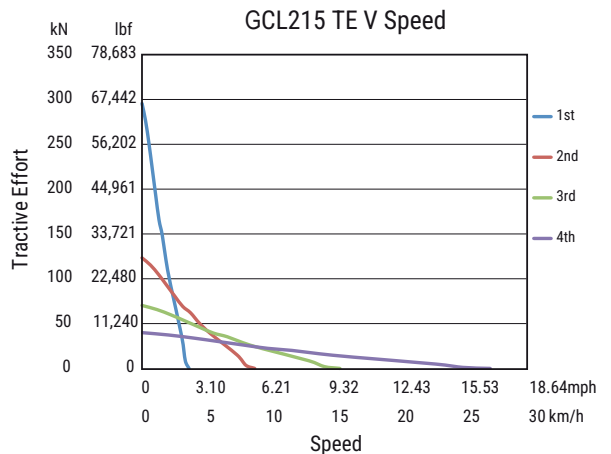
Vehicle Speeds

1st Gear	3.1 km/h	1.9 mph
2nd Gear	7.4 km/h	4.6 mph
3rd Gear	13 km/h	8.1 mph
4th Gear	23 km/h	14.2 mph



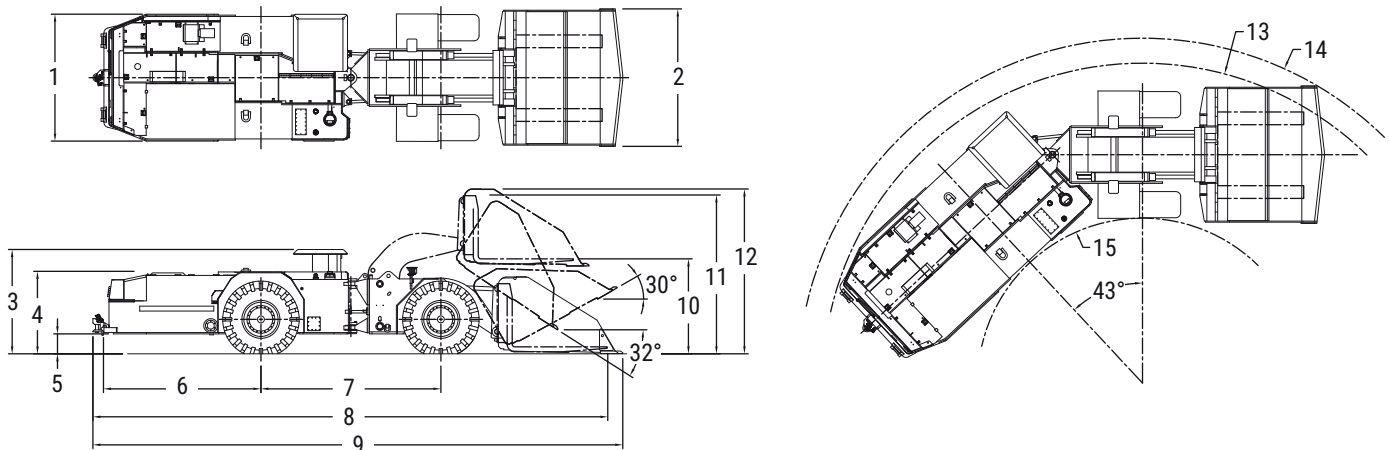
Grade Ability

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



Service Capacities

Hydraulic Tank	300 L	78.3 gal
Fuel Tank	300 L	78.3 gal
Main Air Receiver	80 L	2.8 ft ³
Transmission/Converter Oil	40 L	10.6 gal
Engine Crankcase Oil (with Filter)	22 L	5.8 gal
Engine Cooling System Water	72 L	19.0 gal
Axle Oil (Each)	71 L	18.7 gal
Water Make Up Tank	450 L	118.9 gal



Dimensions (All dimensions are approximate.)

1 Width	2540 mm	100.0 in
2 Width – Over Bucket	2750 mm	108.3 in
3 Height – Tops of ROPS		
Low	2056 mm	80.9 in
Mid	2119 mm	83.4 in
High	2182 mm	85.9 in
4 Height – Top of Covers	1650 mm	65.0 in
5 Height – Ground Clearance	400 mm	15.7 in
6 Length – Rear Axle to Bumper	3150 mm	124.0 in
7 Length – Wheel Base	3600 mm	141.7 in
8 Length – Overall with Fork	10 200 mm	401.5 in
9 Length – Overall with Bucket	10 500 mm	413.8 in
10 Lift Height – Top of Fork	1900 mm	74.8 in
11 Lift Height – Fork Frame	3180 mm	125.2 in
12 Lift Height – Bucket Raised	3300 mm	130.0 in
13 Outer Radius – Rear Frame	6400 mm	252.0 in
14 Outer Radius – Bucket	6900 mm	221.7 in
15 Inner Radius	3300 mm	129.9 in

STANDARD EQUIPMENT

- The GCL215 comes standard with the Rapid Attachment System (RAS) for rapid pick up and release of attachments.

OPTIONAL EQUIPMENT

- | | | |
|---|---|--|
| ■ Filled Tires – Insert or Foam | ■ Fuel and Lubrication Pod | ■ Tow Chains |
| ■ Fire Suppression System | ■ Concrete Hopper Attachment | ■ Auto Lubrication System |
| ■ 15 000 kg (33,069 lb) Forks with Side Shift | ■ Alternative Approved Electrical Components (Lights, Alternators, Hour Meters, etc.) | ■ 10 000 kg (22,064 lb) Belt/Cable Reeler |
| ■ 8000 kg (17,636 lb) Slewing Jib Crane | ■ Load Indication Gauge System | ■ 5.5 m ³ (7.2 yd ³) Bucket |
| ■ Elevating Work Platform | | ■ Trailer Towing Adapter (CHT-50) |

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