



SCOOP GSU488D



Specifications

Dimensions (approximate)

Overall Length		
With lifting forks	29 ft 5 in	8970 mm
With contoured bucket	32 ft 5 in	9880 mm
Overall Width		
With lifting forks	8 ft 11 in	2720 mm
With contoured bucket	9 ft 7 in	2920 mm
Wheelbase	12 ft 8 in	3860 mm
Scoop utility empty weights with 3,000 lb Ballast		
	50,000 lb	22 680 kg
	53,000 lb	24 040 kg
Ground Clearance (No Axles Spacers) (Please reference sales drawing for Ground Clearance profile)		
35x15-15 Tires	10.5 in	267 mm
38x16-15 Tires	10.5 in	267 mm
44x18-20 Tires	10.5 in	267 mm
Adjustable Cab Height (minimum)		
35x15-15 Tires	4 ft 1.5 in	1257 mm
38x16-15 Tires	4 ft 3 in	1295 mm
44x18-20 Tires	4 ft 6 in	1372 mm
Main Frame Height		
35X 15-15 Tires	3 ft 2.5 in	978 mm
38X 16-15 Tires	3 ft 4 in	1016 mm
44X 18-20 Tires	3 ft 7 in	1092 mm
Inside turn radius	12 ft 0 in	3660 mm
Outside turn radius	29 ft 4 in	8940 mm
Steering articulation	80°	80°

Lift and Carry Capacity

16 tons (14.5 tonnes) at 36 in (914 mm) from the face of lift plate

Engine (4 Cylinder)

Type	Diesel, Turbo Charged, and 4 Cycle
Cooling System	water based radiator
Cooling fan	Hydraulic driven fan
Engine make/model	Caterpillar/Deutz 1013 FC
Displacement	290.7 cu in 4.8 L
Maximum power tested	150 hp (112 kW) @ 2,300 rpm
Maximum torque tested	480 lb-ft (651 Nm)

Engine Speeds

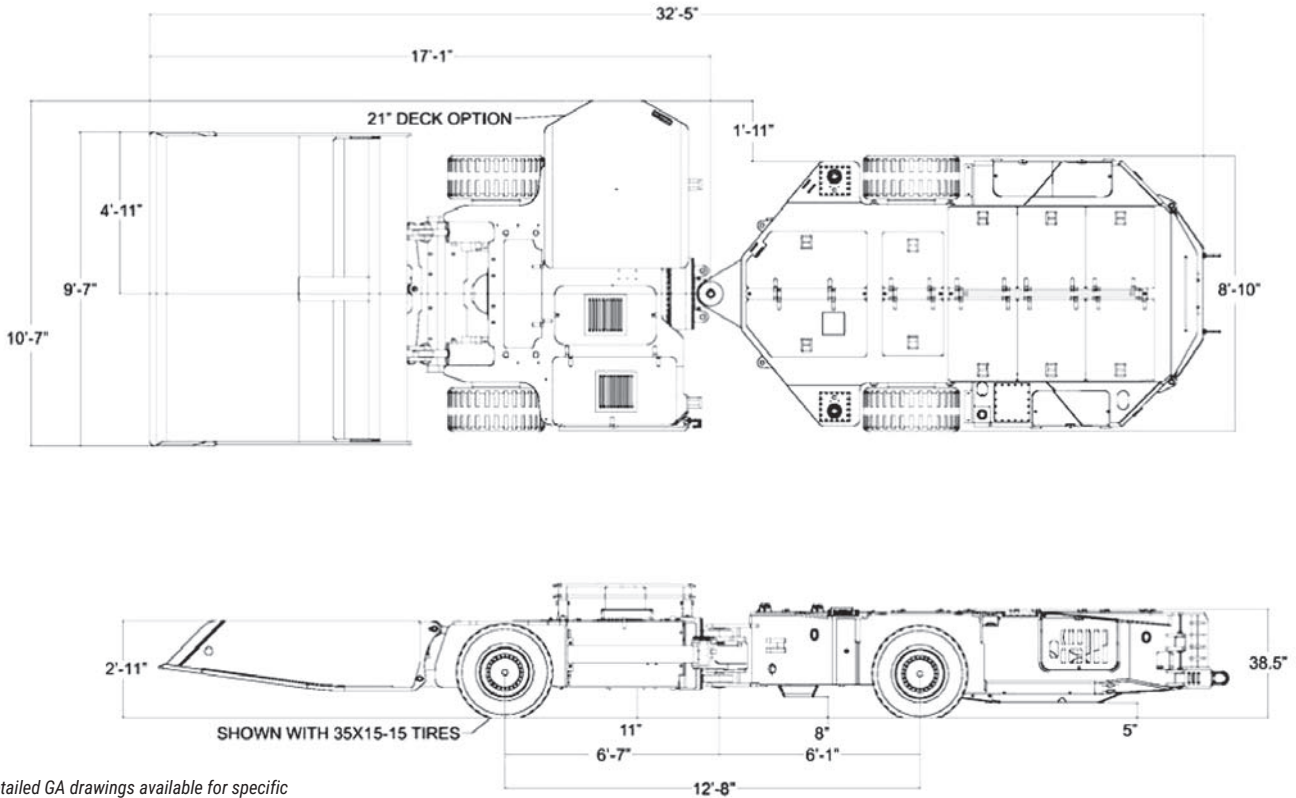
Low idle	1,000 rpm
High idle	2,350 rpm

Start System

Pneumatic gear reduction

Intake Air Cleaner

Type	Dry
Intake dual element type	Primary & Secondary



*Detailed GA drawings available for specific dimensions and component locations

Exhaust System

Type	Preliminary DOC
Make	Evarpar/ECS
After Treatment	Dry Scrubber
DPM Control	Disposable filter 97% eff

Transmission

Type	Power shift with Fwd/Rev mod
Make/Model	Dana 32000 series
Speeds, forward and reverse	4

Torque Converter

Type	Mounted on engine, single element
Make/Model	Dana integral

Axles (Front/Rear):

Type	Outboard Planetary/SAHR Brakes
Make/Model	Kessler 72 Series
Differential Type	Hydraulic Actuated, Bevel Gear and Pinion Forced Brake Cooling

Wheels

Make/Model	3 piece (Heavy Duty)
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Tires - Standard

Size	35x15-15
Ply rating	Bias
Infation media	Urethane Fill
Size	38x16-15
Ply rating	Bias
Infation media	Urethane Fill
Size	44x18-20
Ply rating	Bias
Infation media	Urethane Fill
Load	20,100 lbs @ 5 mph 9120 kg @ 8 kph

Hydraulic Filtration

Steer/brake system	Pressure 10 micron
Bucket/PTO system	Pressure 10 micron
Auxiliary system	Pressure 10 micron Tank mounted, 25 micron
Common Return	replaceable bypass

Hydraulic Systems

Steer/brake system	Open center, HRO Control
Bucket/PTO system	Open center/ Motor Spool
Auxiliary system	Open center, HRO Control
Tank type	Sealed

Main Hydraulic Pump

Type	Gear
Std pump output @ 2,000 rpm	28 gpm 106 lpm

Cooling/Fan Pump

Type	Gear
Std pump output @ 2,000 rpm	4.5/12 gpm 17/45 lpm

Cylinders

Type	Double acting
Rods	Hard chromed
Counterbalance load	Lock valves Lift & Tilt (opt)

Steering System

Control valve	Open center
Actuation	HRO Control

Accumulator Brakes

Type	Piston
Quantity x capacity	116 cu in 1.9 L
Operation Pre charge	900 psi 6.2 MPa Nitrogen pressure

Bucket System

Control valve	Open center
Actuation	HRO

Articulation

Bearing type and size	Pin & bearing
Bush material	Hardened steel
Pin material	Hardened steel
Degrees of turn either side	45°

Oscillation

Type	Ball Bearing at Articulation
Degrees up and down from horizontal	15°

Seating (Driver)

Type	Adjustable Cross-seated
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Canopy

Type	Adjustable CAB Certified to MSHA req
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Electrical System

Type	Approved flameproof
Voltage	12
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	150 psi 1.03 MPa
Relief pressure	210 psi 1.45 MPa
Air receiver volume	28 gallon 106 L

Service Capacities

Hydraulic tank	70 gal	265 L
Fuel Tank	35 gal (MSHA Limited)	132 L
With 35x15-15 Tires		
1st gear max	1.8 mph	2.9 kph
2nd gear max	3.7 mph	6.0 kph
3rd gear max	6.4 mph	10.3 kph
4th gear max	11.1 mph	17.9 kph

Maximum Tractive Effort

Refer to engineering for information dependant on the applications

Grade-ability

Front to rear Up to 30%

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