

Cat[®] SU482 DN

Scoop

Specifications

Dimensions (approximate)		
Overall Length With lifting forks With contoured bucket	27 ft 2 in 28 ft 10 in	8280 mm 8788 mm
Overall Width With lifting forks With contoured bucket	119.5 in 122 in	3035 mm 3099 mm
Wheelbase	11 ft 8 in	3556 mm
Scoop utility empty weights	28,000 lb	12 700 kg
Ground Clearance (No Ax (Please reference sales draw 28x15-15 Tires 32x15-15 Tires		learance profile) 178 mm 229 mm
Adjustable Cab Height (m 28x15-15 Tires 32x15-15 Tires	inimum) 3 ft 2 in 3 ft 4 in	965 mm 1016 mm
Main Frame Height 28x15-15 Tires 32x15-15 Tires	3 ft 2 in 3 ft 4 in	864 mm 914 mm
Inside turn radius	11 ft 9 in	3581 mm
Outside turn radius	22 ft 11 in	6985 mm
Steering articulation	40°	40°

Lift and	Carry	Capaci	ty
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7.5 tons (6.8 tonnes) at 36 in (914 mm) from the face of lift plate

Engine (4 Cylinder)	
Туре	Diesel, Turbo Charged, and 4 Cycle
Cooling System	Oil cooled with water cooled exhaust manifolding (opt water cooled assist for engine)
Cooling fan	Hydraulic driven fan
Engine make/model	Deutz BF4L 2011
Displacement	189.7 cu in 3.1 L
Maximum power tested	78 hp (58 kW) @ 2,800 rpm
Maximum torque tested	169.5 lb-ft (229 Nm)

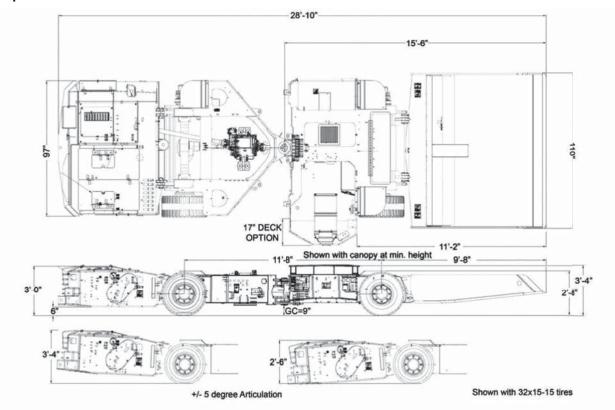
Engine Speeds	
Low idle	900 rpm
High idle	3,200 rpm

Start System	
Starter motor type	Electric, 12 V

Intake Air Cleaner	
Туре	Dry
Intake dual element type	Primary & Secondary



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^{*}Detailed GA drawings available for specific dimensions and component locations

Exhaust System	
Type	Ultra flow dry scrubber
Make	Caterpillar [®]
After Treatment	Catalytic exhaust purifier
DPM Control	Disposable filter 97% eff

Transmission	
Type	Power shift with Fwd/Rev mod
Make/Model	Dana 20000 series
Speeds, forward and reverse	3

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

Axles (Front/Rear):	
Туре	Outboard Planetary/ SAHR Brakes
Make/Model	Kessler 42 Series
Differential Type	Bevel gear and pinion

Wheels	
Make/Model	3 piece (Heavy Duty)

Tires – Standard	
Size Ply rating Inflation media	28x15-15 Bias Urethane Fill
Size Ply rating Inflation media	32x15-15 Bias Urethane Fill

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



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
Main Hydraulic Pump	
Туре	Gear
Std pump output @ 2,000 rpm	17 gpm 64 lpm
Cooling/Fan Pump	
Type Std pump output @ 2,000 rpm	Gear 4.5 gpm 17 lpm
Std pump output @ 2,000 rpm	
Std pump output @ 2,000 rpm Cylinders	
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Std pump output @ 2,000 rpm Cylinders Type Rods Counterbalance load Steering System Control valve	Double acting Hard chromed Art frame cyls Open center
Cylinders Type Rods Counterbalance load Steering System Control valve Actuation	Double acting Hard chromed Art frame cyls Open center
Cylinders Type Rods Counterbalance load Steering System Control valve Actuation Accumulator Brakes	Double acting Hard chromed Art frame cyls Open center HRO Control

Cylinders	
Туре	Double acting
Rods	Hard chromed
Counterbalance load	Art frame cyls
Steering System	
Control valve	Open center
Actuation	HRO Control
Accumulator Brakes	Piston
Type 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 & hearing

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 Articulatio
Degrees up and down from horizontal	15°
Seating (Driver)	
Туре	Adjustable Cross-seated
Сапору	
Туре	Adjustable CAB Certified to MSHA req
Electrical System	
Voltage	12
Polarity	Floating
 Lights	
Number/location	2 front, 2 rear
Туре	Ocenco/MCI
Alternator	
Drive	Electric
Туре	Bosch, 12V
Service Capacities	
Hydraulic tank	40 gal 151 L
Fuel Tank	22 gal 83 L (MSHA Limited)
With 32x15-15 Tires	2.2 mg/2 (2.5.1. 1)
1st gear 2nd gear 3rd gear	2.2 mph (3.5 kph) max 4.0 mph (6.4 kph) max 10.5 mph (16.9 kph) max
Maximum Tractive Effort	

the applications

Grade-ability	
Front to rear	Up to 30%



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

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