



SEM 639C

**WORLD CLASS LEGACY
TECHNOLOGY**

SEM C Series Wheel Loader



Featured machines in photos may include additional equipments

SHANDONG SEM MACHINERY CO., LTD.
A CATERPILLAR COMPANY

SEM 639C SPECIFICATIONS

Main Specifications

Rated Load Capacity	3,000 kg
Bucket Capacities	1.7-2.5 m ³
Max. Grade Ability (°)	28°
Overall Dimension L*W*H (mm)	7120x2440x3137

Engine

Rated Gross Power	91 kW @2200 rpm
Model	Perkins 1104C
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L
Peak Torque	448 Nm

Operating Specifications

Max. Rim-Pull	95 kN
Breakout Force	118 kN

Hydraulic System

	Pilot Control
Pump displacement-Implement Pump	97 mL/rev
System Pressure Setting	18 MPa
Hydraulic Cycle Time:	
Raise	5.0 s
Dump	1.0 s
Lower, (Empty, Float Down)	3.3 s
Total	9.3 s

Steering

Steering Angle Left/Right	38°
Minimum Turning Radius Over Rear Tire	4888 mm
Minimum Turning Radius Over Bucket	5744 mm

Axle

Brand	Meritor-30
Front	Fixed with Calipers
Rear	Fixed with Osc. Frame with Calipers
Maximum Single - Wheel Rise and Fall	Oscillating ± 12°

Brake System

Service Brake:	Dry & Caliper, Air to Oil Control
Parking Brake:	Drum Type Shoe Brake , Spring Applied & Air Released

Transmission

	SEM TR100 / B- YJ320B	
Type	Countershaft	Power shift
Travel Speed:	I	II
Forward	7.3 km/hr	13.4 km/hr
Reverse	9.1 km/hr	29.4 km/hr
	III	IV
Forward	24.2 km/hr	40.1 km/hr

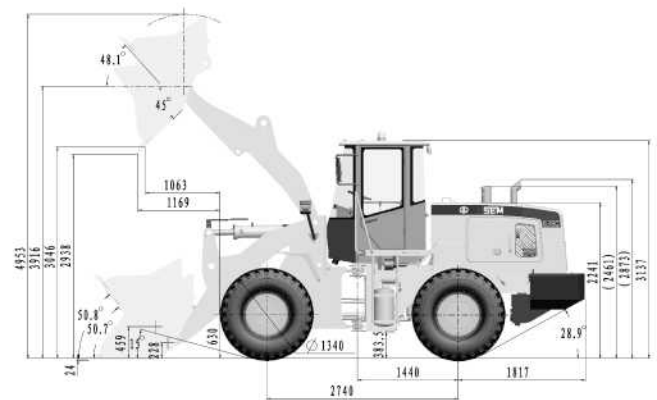
Service Refill Capacities

Fuel tank	168 L
Cooling System	30 L
Engine Lubricating Oil	16 L
Oil for Converter and Gear Box	45 L
Differentials and Final Drives:	
Front	10 L
Rear	10 L
Hydraulic Tank	112 L

Tires

Size	17.5-25
Type	Bias
Layer	12
Textured Type	L3/E3
Air Pressure	Front 350 kPa / Rear 300 kPa

Arrangement Drawing



Design and specifications are subject to change without notice
The illustrations may not show the current version of the machine

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