



SEM 668C

**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 668C SPECIFICATIONS

Main Specifications

Rated Load Capacity	6,000 kg
Operating Weight	19,000 kg
Bucket Capacities	3.3 - 5.5 m ³
Overall Dimension L*W*H (mm)	8524x3092x3440

Engine

Rated Gross Power	175 kW@2200 rpm
Model	SDEC SC11CB 240
Bore	120.65 mm
Stroke	152.4 mm
Displacement	10.45 L
Peak Torque	950 Nm

Operating Specifications

Max. Rim-Pull	163 kN
Breakout Force	190 kN

Hydraulic System

	Pilot Control
Pump Flow-Implement Pump	113 mL/rev
System Pressure Setting	18 MPa
Hydraulic Cycle Time:	
Raise	5.3 s
Dump	1.22 s
Lower, (Empty, Float Down)	3.66 s
Total	10.2 s

Steering

Steering Angle Left/Right	38°
Minimum Turning Radius Over Rear Tire	5940 mm
Minimum Turning Radius Over Bucket	7050 mm

Axle

Brand	SEM S132
Front	Fixed with Wet Brake
Rear	Trunnion Mounted Axle with Wet Brake
Maximum Single - Wheel Rise and Fall	Oscillating ± 12°

Brake System

Service Brake:	In Board Wet Brake
Parking Brake:	Drum Type Shoe Brake , Spring Applied & Air Released

Transmission

Brand	SEM 160B	
Type	Countershaft	Power shift
Travel Speed:	I	II
Forward	7.0 km/hr	12.5 km/hr
Reverse	7.0 km/hr	12.4 km/hr
	III	IV
Forward	21.7 km/hr	34.0 km/hr
Reverse	21.7 km/hr	

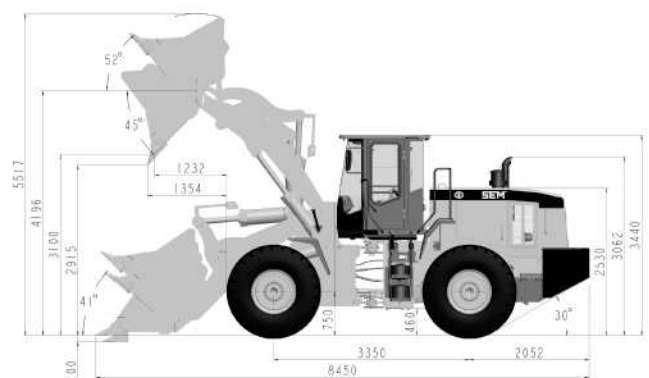
Service Refill Capacities

Fuel tank	290 L
Cooling System	50 L
Engine Lubricating Oil	27.5 L
Oil for Converter and Gear Box	60 L
Differentials and Final Drives:	
Front	40 L
Rear	35 L
Hydraulic Tank	230 L

Tires

Size	23.5-25
Layer	20
Textured Type	L3/E3
Air Pressure	Front 392 kPa / Rear 342 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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