

SEM659C Wheel Loader



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SEM659C Wheel Loader

Main Specifications

Rated Load Capacity	5,000 kg
Operating Weight	17,000 kg
Bucket Capacities	2.7-4.5 m ³
Max. Gradeability (°)	30°
Overall Dimensions L*W*H (mm)	8176x3068x3440

Engine

Rated Gross Power	162 kW / 217 hp
Model	SDEC SC11CB 220
Bore	120.65 mm
Stroke	152.4 mm
Displacement	10.45 L
Peak Torque	912 Nm

Operating Specifications

Max. Rimpull	151 kN
Breakout Force	168 kN

Hydraulic System

Pilot Control

Pump Displacement-Implement Pump	97 ml/rev
System Pressure Setting	19 MPa
Hydraulic Cycle Times:	
Raise	5.5 s
Dump	0.9 s
Lower (Empty, Float Down)	3.8 s
Total	10.2 s

Steering

Steering Angle Left/Right	38°±1°
Minimum Turning Radius Over Rear Tire	5917 mm
Minimum Turning Radius Over Bucket	6931 mm

Axle

Brand	SEM SO32
Front	Fixed with Calipers
Rear	Fixed with Osc. Frame and 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 160A

Type	Countershaft	Powershift
Travel Speed:	I	II
Forward	7.4 km/hr	13.7 km/hr
Reverse	7.4 km/hr	13.7 km/hr
	III	IV
Forward	23.3 km/hr	36.5 km/hr
Reverse	23.3 km/hr	

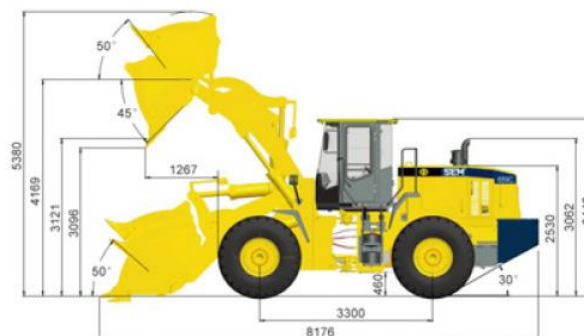
Service Refill Capacities

Fuel Tank	290 L
Cooling System	52 L
Engine Lubricating Oil	27.5 L
Oil for Converter and Gear Box	52 L
Differentials and Final Drives:	
Front	40 L
Rear	40 L
Hydraulic Tank	235 L

Tires

Size	23.5-25
Type	Bias
Layers	16
Textured Type	L3/E3
Air Pressure	Front 400 kPa / Rear 350 kPa

Arrangement Drawing



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