

SEM616B Wheel Loader



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Main Specifications

Rated Load Capacity	1,600 kg
Operating Weight	5,430 kg
Bucket Capacities	0.9 m ³
Overall Dimensions L*W*H (mm)	5739x2000x2795

Engine

Rated Gross Power	55 kW / 74 hp
Model	Xichai 4DX21-72G2
Bore	102 mm
Stroke	118 mm
Displacement	3.857 L
Peak Torque	262 Nm

Operating Specifications

Max. Rimpull	54 kN
Breakout Force	65 kN
Full Turn Static Tipping Load	3200 kg

Hydraulic System

Mechanical Control

Pump Displacement-Implement Pump	63 ml/rev
System Pressure Setting	16 MPa
Hydraulic Cycle Times:	
Raise	4.37 s
Dump	0.76 s
Lower (Empty, Float Down)	3.02 s
Total	8.2 s

Steering

Steering Angle Left/Right	35°±1°
Minimum Turning Radius Over Rear Tire	4229 mm
Minimum Turning Radius Over Bucket	4956 mm

Axle

Brand	BeiLian
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

BeiLian

Type	Countershaft	Powershift
Travel Speed:	I	II
Forward	8.6 km/hr	23.0 km/hr
Reverse	8.5 km/hr	22.6 km/hr

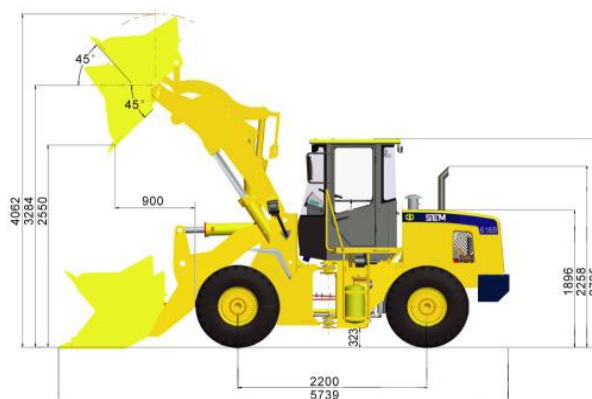
Service Refill Capacities

Cooling System	20 L
Engine Lubricating Oil	12 L
Oil for Converter and Gear Box	21 L
Differentials and Final Drives:	
Front	8 L
Rear	8 L
Hydraulic Tank	50 L

Tires

Size	16/70-20
Type	Bias
Layers	14
Textured Type	L3
Air Pressure	Front 250 kPa / Rear 210 kPa

Arrangement Drawing



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