

SEM Machinery Wheel Loader

SEM 676D



1 Easy to Operate

- FNR (Forward-Neutral- Reverse) controller and KD (Kick Down) button integrated on pilot control, which makes operation easier.
- 2nd-4th automatic gearshift and E-control automatic leveling function improve operating efficiency and comfort.
- World-class large displacement coaxial flow steering unit for better maneuverability.
- Large interior space and excellent visibility on the integrally molded cab, and fresh air pressurization function for improved ventilation.

Low Operation Cost

- Weichai Stage III engine and 2 adjustable power modes to meet different application needs.
- Single load sensing hydraulic system supplies flow and pressure only when required, which saves fuel by 8%-12%.
- Performance series bucket loads more and makes it easier to dig into the pile, therefore reducing fuel consumption.
- Oil supplies separately for transmission and torque convertor by Caterpillar split pump technology, resulting in 6% savings in fuel.



3 Proven Reliability

- Highly reliable Caterpillar designed and manufactured electrohydraulic control transmission.
- Smooth gearshift and self-protection function ensures durability of transmission.
- SEM customized Weichai engine delivers optimal power and productivity.

Ease of Maintenance

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- Centralized lubrication points and optional automatic lubrication system to reduce maintenance time.
- Pressure test ports for improved diagnosis and oil sampling.
- Long-span articulation design ensures ease of maintenance without additional space requirement on site.
- Simple and reliable powertrain design to ensure low customer O&O (Own & Operation) cost.
- Wide angle engine hood for easy access to maintenance and service points.
- 330L super-large fuel tank extends operating hours before refueling.



Operational Safety

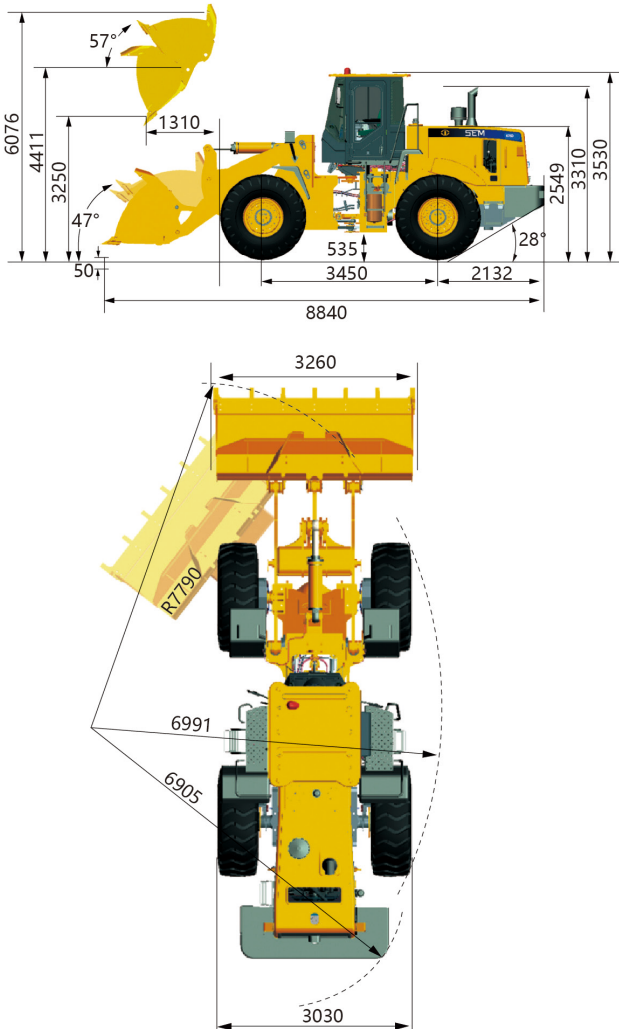
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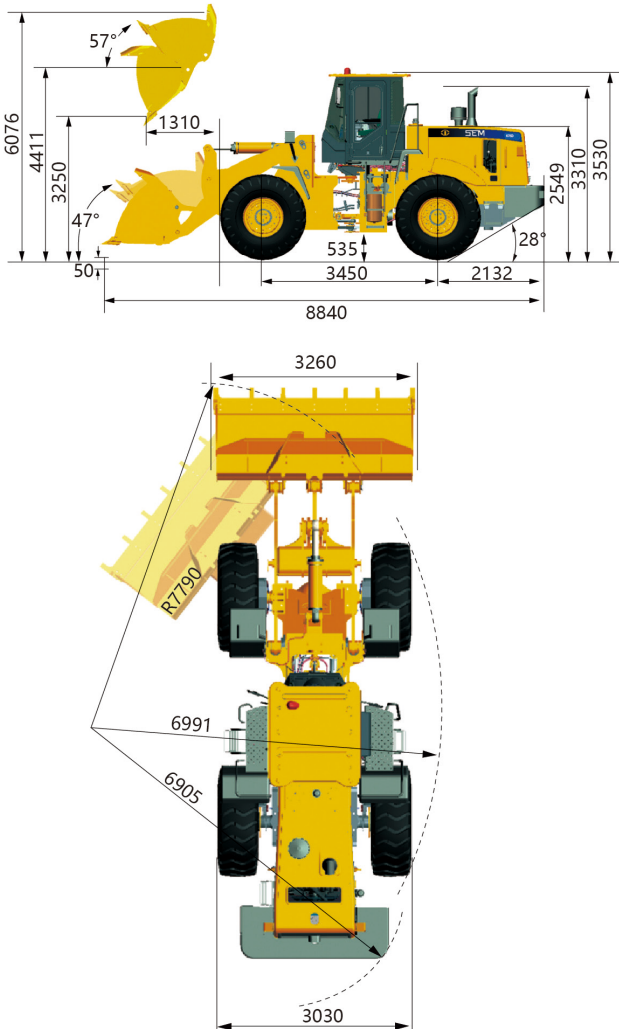
- Gear lock ensures that machine can only be started when it is in neutral.
- Dual-circuit brake system and optional brake dryer to improve machine safety.
- Three-point contact design when entering or exiting the equipment.
- Maintenance-free battery, backup alarm and beacon light to ensure operator's safety.
- Six front and four rear brake calipers for excellent braking performance and reduce risk of overheating.
- Optional rear camera for enhanced visibility.



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Specifications			Dimensions		
Rated Load	kg	7,000			
Operating Weight	kg	23,000			
Bucket Capacity	m ³	4.2-7.0			
Wheelbase	mm	3,450			
Machine Length	mm	8,840			
Machine Width	mm	3,260			
Machine Height	mm	3,530			
Breakout Force	kN	215			
Drawbar Pull Force	kN	208			
Dump Clearance	mm	3,250			
Dump Reach	mm	1,310			
Engine Model	-	Weichai WP10G270			
Rated Power	kW	199			
Rated Speed	r/min	2,200			
Transmission Type	-	EH Control			
Transmission Gear	-	F4/R3			
Implement Control Type	-	Pilot Control			
Hydraulic Cycle Time	-	9.8			
Service Brake	-	Dry & Caliper, Air to Oil Control			
Parking Brake	-	Drum Type Shoe Brake			
Steering Angle (Left/Right)	°	35			
Minimum Turning Radius Over Bucket	mm	7,790			
Tire Size	-	26.5-25			
Tire Type	-	Bias			
Tire Layer	-	24			
Tire Textured Type	-	L3/E3			



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