

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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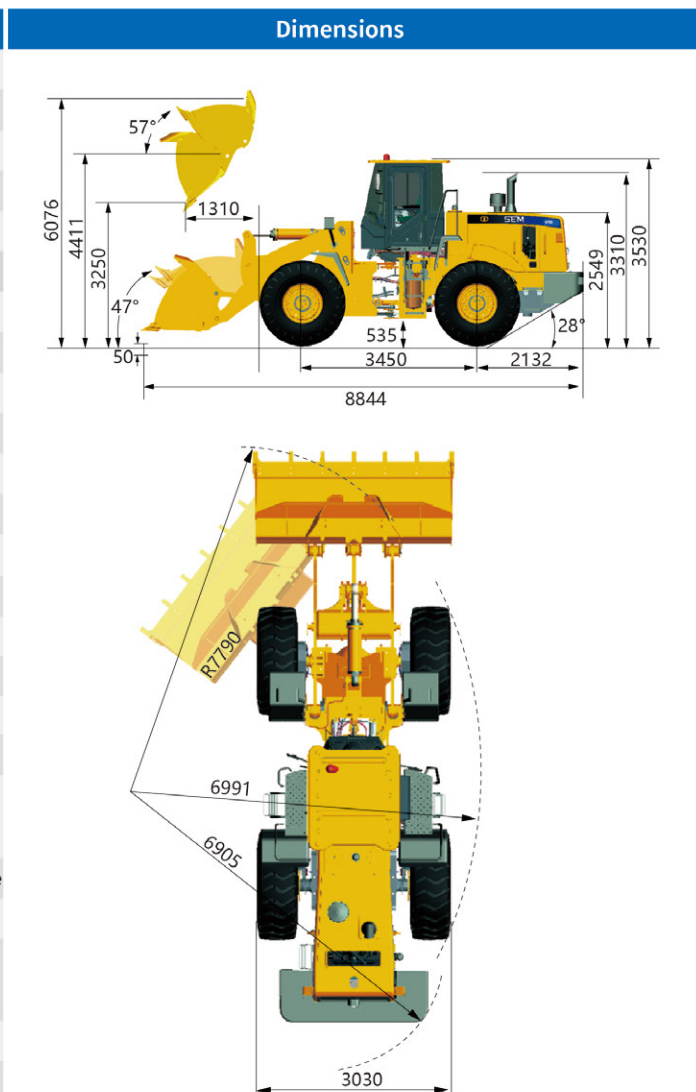
- Gear lock ensures that machine can only be started when it is in neutral.
- Dual-circuit brake system and optional brake dryer to improve machine safety.
- Three-point contact design when entering or exiting the equipment.
- Maintenance-free battery, backup alarm and beacon light to ensure operator's 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		
Rated Load	kg	7,000
Operating Weight	kg	23,000
Bucket Capacity	m ³	4.2-7.0
Wheelbase	mm	3,450
Length	mm	8,840
Width	mm	3,260
Height	mm	3,530
Breakout Force	kN	215
Drawbar Pull Force	kN	208
Dump Clearance	mm	3,250
Dump Reach	mm	1,310
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 (Lift/Right)	°	35
Minimum Turning Radius Over Bucket	mm	7,790
Size	-	26.5-25
Type	-	Bias
Layer	-	24
Textured Type	-	L3/E3



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Version: May 2022