



SM50D

Utility Wheel Loader

Designed for Tight Spaces, Built for Tough Jobs

SM50 has a powerful drive and lifting force to easily handle a wide range of job. The load-sensing and flow-sharing hydraulic control system (LUDV) ensures excellent operating performance while providing efficient fuel economy. The ergonomic joystick operation and the low noise level of the whole machine effectively enhance the operating comfort. The high-flow auxiliary hydraulic system, combined with adjustable flow function enables SM50 to be compatible with a variety of attachments to meet the needs of different working conditions.

Highlights

- Compact and Agile Design
- Safety You Can Trust
- Powerful drive system with LUDV
- Comfortable Operation

Technical Data

Hydraulic

Flow rate	60.0 l/min
Auxiliary relief pressure	220.0 bar

Mechanical - Output Details

Travel speed	6.4 km/h
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Mechanical Details

Overall Length without bucket	1,920.0 mm
Overall Length with Bucket	2,501.0 mm
Overall width without bucket	1,017.0 mm
Height	1,368.0 mm
Bucket Hinge Pin Height	1,940.0 mm
Bucket roll back at ground	25.0 °
Bucket roll back at maximum height	94.0 °
Angle of departure	25.0 °
Bucket dump height at maximum height	2,658.0 mm
Bucket dump angle at maximum height	37.0 °
Operating weight	1,218.0 kg
Ground clearance	146.0 mm
Dump reach at maximum height	667.0 mm
Wheelbase	800.0 mm

Engine

Cooling	Water-cooling
Engine type	Diesel engine
Cylinder	3.0
Cylinder capacity	1,115.0 cm3
Power rating max.	15.7 KW
Engine speed (Power max.)	2,500.0 1/min
Operating power	15.7 KW
Idling speed	1,300.0 1/min
Maximum torque	67.4 Nm
Engine Manufacturer	Yanmar
Engine Designation	3TNV76

Operating Fluids

Fuel Tank capacity	24.0 l
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Chassis

Tires	18 x 8,5 - 8 8PR
Tip Load	690.0 kg
Rated Operating Capacity at 50% Tip Load	345.0 kg
Rated Operating Capacity at 35% Tip Load	242.0 kg