# 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 hydraulics relief pressure | 220.0 bar |

### ■ Mechanical - Output Details

| | |
|---|---|
| Travel speed | 6.4 km/h |

### ■ 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 |
| Maximum 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 |
| Underclearance | 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 |

### ■ 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 |