# Specifications

## Engine

| Model | YANMAR 3TNV88 |
|---|---|
| Type | Four-cycle, water-cooled, direct injection diesel engine, Tier 3 certified |
| No. of cylinders | 3 |
| Bore and stroke | 88 mm × 90 mm |
| Displacement | 1,642 ml |
| Rated power output | 17.9 kW / 2,400 $min^{-1}$ (ISO 9249 : with fan) |
| | 18.9 kW / 2,400 $min^{-1}$ (ISO 14396: without fan) |
| Max. torque | 87.8 N•m / 1,440 $min^{-1}$ (ISO 14396: without fan) |

## Hydraulic system

| Pump | | |
|---|---|---|
| Type | | Two variable displacement axial piston pumps + one gear pump + pilot pump |
| Max. discharge flow | | 2 x 28.8 L/min, 1 x 16.1 L/min, 1 x 10.8 L/min |
| **Relief valve setting** | | |
| Boom, arm and bucket | | 23.0 MPa {235 $kgf/cm^2$} |
| Travel circuit | | 23.0 MPa {235 $kgf/cm^2$} |
| Swing circuit | SK26SR | 16.6 MPa {169 $kgf/cm^2$} |
| | SK28SR | 20.0 MPa {204 $kgf/cm^2$} |
| Blade circuit | SK26SR | 20.6 MPa {210 $kgf/cm^2$} |
| | SK28SR | 23.0 MPa {235 $kgf/cm^2$} |
| Control circuit | | 3.5 MPa {36 $kgf/cm^2$} |
| Pilot control pump | | Gear type |
| Main control valve | | 10 -Spool valve |
| Oil cooler | | Air cooled type |

## Swing system

| | | |
|---|---|---|
| Swing motor | | One fixed displacement piston motor |
| Brake | | Hydraulic; locking automatically when the swing control lever is in the neutral position |
| Parking brake | | Wet multiple plate |
| Swing speed | SK26SR | 7.9 $min^{-1}$ |
| | SK28SR | 8.2 $min^{-1}$ |
| Swing torque | | 4.2 kN•m |

## Dozer blade

bore × stroke

| | | |
|---|---|---|
| Dozer cylinder | SK26SR | 85 mm x 135 mm |
| | SK28SR | 90 mm x 180 mm |

## Travel system

| | | |
|---|---|---|
| Travel motors | | Two Variable displacement piston motor |
| Travel brakes | | Hydraulic brake |
| Parking brakes | | Wet multiple plate |
| Travel shoes | SK26SR | 80 each side |
| | SK28SR | 88 each side |
| Travel speed | SK26SR | 4.4/2.6 km/h (rubber shoe) |
| | | 4.3/2.5 km/h (steel shoe) |
| | SK28SR | 3.8/2.1 km/h (rubber shoe) |
| | | 3.7/2.0 km/h (steel shoe) |
| Drawbar pulling force | SK26SR | 27.9 kN (Cab) / 28.0 kN (Canopy) |
| | SK28SR | 34.7 kN (Cab) / 34.7 kN (Canopy) |
| Gradeability | | 58 % {30 °} |

## Cab & control

| Cab |
|---|
| All-weather, insulated floor mat. |
| **Control** |
| Two hand levers and two foot pedals for travel |
| Two hand levers for excavating and swing |
| Electric rotary-type engine throttle |
| Foot control (for boom swing) |
| Dozer lever |

## Boom, arm & bucket

bore × stroke

| Model | SK26SR | SK28SR |
|---|---|---|
| Boom cylinder | 70 mm × 458 mm | 75 mm × 565 mm |
| Arm cylinder | 70 mm × 494 mm | 70 mm × 548 mm |
| Bucket cylinder | 60 mm × 417 mm | 65 mm × 445 mm |
| Swing cylinder | 75 mm × 477 mm | 75 mm × 477 mm |

## Refilling capacities & lubrications

| Model | SK26SR | SK28SR |
|---|---|---|
| Fuel tank | 42 L | |
| Cooling system | 3.8 L | |
| Engine oil | 6.7 L | |
| Travel reduction gear | 2 × 0.6 L | |
| Hydraulic oil tank | 16 L tank oil level | 20.4 L tank oil level |
| | 31 L hydraulic system | 44.8 L hydraulic system |

## Operating weight & ground pressure

In standard trim, with standard boom, standard arm, and 0.08 $m^3$ (58 kg) bucket

| Arm length | | SK26SR | | | | SK28SR | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Cab | | Canopy | | Cab | | Canopy | |
| Shaped | | Steel shoe | Rubber shoe | Steel shoe | Rubber shoe | Steel shoe | Rubber shoe | Steel shoe | Rubber shoe |
| Shoe width | mm | 250 | | | | 300 | | | |
| Overall width of crawler | mm | 1,550 | | | | | | | |
| Ground pressure | kPa | 31.6 | 30.4 | 29.9 | 28.7 | 28.7 | 27.8 | 27.3 | 26.4 |
| Operating weight | kg | 2,810 | 2,680 | 2,660 | 2,530 | 3,270 | 3,160 | 3,120 | 3,010 |
| Machine Mass | kg | 2,740 | 2,600 | 2,590 | 2,450 | 3,200 | 3,090 | 3,040 | 2,930 |