



ST50

Compact Track Loader

Do more

The ST50 is the largest and most powerful track loader in the Wacker Neuson lineup. Equipped with a 100 hp Kohler engine, making 361 ft-lb of torque, this machine is a productive workhorse. The extra power enhances the auxiliary flow for improved performance with high flow attachment applications like cold planning and brush clearing.

Highlights

- Controls for Every Operator
- Two-speed transmission
- 5.7-inch Color Display
- Forward Tipping Cab
- Maximum Visibility

Technical Data

Hydraulic

| | |
|--------------------------------------|-------------|
| Flow rate | 25.1 gal/mi |
| Flow rate max. | 37.2 gal/mi |
| Auxiliary hydraulics relief pressure | 3,987.5 psi |

Mechanical - Output Details

| | |
|--|-----------------|
| Ground Pressure | 4.8 psi |
| Breakout force - tilt | 9,613,057.6 lbf |
| Breakout force - lift | 9,504.0 lbf |
| Tractive Effort max. at 100% effective force | 12,582.6 lbf |
| Travel speed stage 1 | 6.2 m/H |
| Travel speed stage 2 | 9.9 m/H |

Mechanical Details

| | |
|------------------|-------------|
| Operating weight | 10,785.0 lb |
|------------------|-------------|

Engine

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|---------|---------------|
| Cooling | Water-cooling |
|---------|---------------|

| | |
|-------------------------------|-------------------------|
| Engine type | Diesel engine |
| Cylinder | 4.0 |
| Cylinder capacity | 207.5 Inch ³ |
| Oil filling max. | 4.1 gal US |
| Operating power | 100.6 hp |
| Operating Engine speed | 2,500.0 1/min |
| Battery capacity (nom. value) | 950.0 Ah |
| Engine Manufacturer | Kohler |

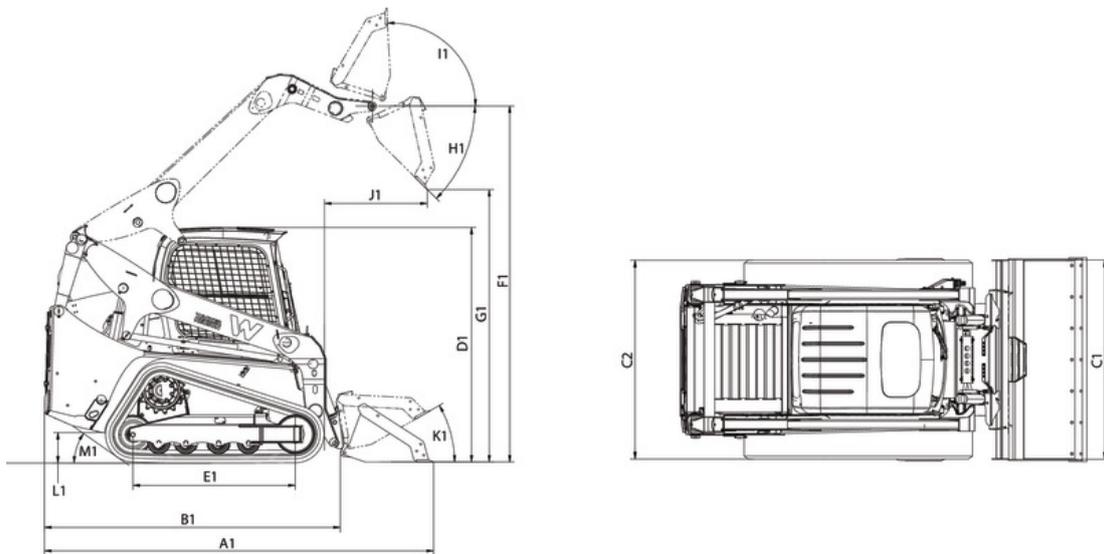
Operating Fluids

| | |
|------------------------|-------------|
| Hydraulic fluid volume | 42.3 qt US |
| Fuel Tank capacity | 35.1 gal US |

Chassis

| | |
|--|-------------|
| Tip Load | 10,000.2 lb |
| Rated Operating Capacity at 35% Tip Load | 3,500.9 lb |

Dimensions



| | | |
|----|---------------------------------------|----------|
| A1 | Overall length with bucket | 149.4 in |
| B1 | Overall length without bucket | 120 in |
| C1 | Overall width with bucket | 80.5 in |
| C2 | Overall width without bucket | 78 in |
| D1 | Overall height | 84.6 in |
| F1 | Hinge pin height | 136.3 in |
| G1 | Dump height max. | 108.5 in |
| H1 | Dump angle | 40 ° |
| I1 | Bucket rollback at max. stroke height | 94 ° |
| J1 | Dump reach | 36.5 in |
| L1 | Ground clearance | 10.7 in |
| M1 | Angle of departure | 30 ° |
| E1 | Length of track on ground | 66.2 in |
| K1 | Bucket rollback at ground level | 30 ° |