



## 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 368 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
- Filter Free After-treatment
- Expansive Maintenance Access

## Technical Data

### Hydraulic

|                           |             |
|---------------------------|-------------|
| flow rate                 | 25,1 gal/mi |
| flow rate max.            | 37,2 gal/mi |
| Auxiliary relief pressure | 3.987,5 psi |

### Mechanical - Output Details

|                          |              |
|--------------------------|--------------|
| Break Out Force Bucket   | 7.932,4 lbf  |
| Break Out Force Lift Arm | 9.371,4 lbf  |
| Tractive Effort max.     | 12.582,6 lbf |
| travel speed stage 1     | 6,2 m/H      |
| travel speed stage 2     | 9,9 m/H      |

### Mechanical Details

|                                |         |
|--------------------------------|---------|
| Length without Bucket          | 117,5 " |
| Length with Bucket             | 145,4 " |
| Overall width without bucket   | 78,0 "  |
| Height to top of ROPS          | 84,7 "  |
| Bucket Hinge Pin Height        | 136,4 " |
| Angle of departure             | 31,0 °  |
| Bucket height at height max.   | 108,9 " |
| Buck. dump angle at height max | 44,0 °  |

|                  |             |
|------------------|-------------|
| Operating weight | 10.677,0 lb |
| Track width      | 17,7 "      |
| Ground clearance | 10,4 "      |

### Engine

|                               |               |
|-------------------------------|---------------|
| Cooling                       | water-cooling |
| Engine type                   | Diesel engine |
| Cylinder                      | 4,0           |
| Cylinder capacity             | 205,0 Inch3   |
| Operating power               | 100,6 hp      |
| Operating Engine speed        | 2.500,0 1/min |
| Battery capacity (nom. value) | 950,0 Ah      |
| Manufacturer                  | Kohler        |

### Operating Fluids

|                    |             |
|--------------------|-------------|
| Fuel Tank capacity | 39,9 gal US |
|--------------------|-------------|

### Chassis

|                                        |             |
|----------------------------------------|-------------|
| Tip Load                               | 10.000,2 lb |
| Nennbetriebskapazität bei 50% Kipplast | 5.000,1 lb  |
| Nennbetriebskapazität bei 35% Kipplast | 3.500,9 lb  |

## Dimensions

|    |                               |          |
|----|-------------------------------|----------|
| A1 | Overall length with bucket    | 145.4 in |
| B1 | Overall length without bucket | 117.5 in |
| C2 | Overall width without bucket  | 78 in    |
| F1 | Hinge pin height              | 136.3 in |
| G1 | Dump height max.              | 108.9 in |
| L1 | Ground clearance              | 10.5 in  |
| M1 | Angle of departure            | 31 °     |