



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

Technical Data

Hydraulic

Flow rate	25.1 gal/mi
Flow rate max.	37.2 gal/mi
Auxiliary relief pressure	3,494.5 psi

Mechanical - Output Details

Break Out Force Bucket	7,932.4 lbf
Break Out Force Lift Arm	9,371.4 lbf
Tractive Effort max. 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

Overall Length without bucket	117.5 "
Overall Length with Bucket	145.4 "
Overall width without bucket	78.0 "
Overall height to top of ROPS	84.7 "
Bucket Hinge Pin Height	136.4 "
Angle of departure	31.0 °
Bucket dump height at maximum height	108.9 "
Bucket dump angle at maximum height	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
Rated Operating Capacity at 50% Tip Load	5,000.1 lb
Rated Operating Capacity at 35% Tip Load	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 °