





# **ST31**

# **Compact Track Loader**

## Compact and Efficient

The ST31 matches the compact size of a medium frame with lift capacity of larger loaders. The vertical lift arm, 125 inch lift height and 74hp regeneration free engine, make the ST31 an accomplished material handler, perfect for use in a wide range of applications, from moving palletized material around a construction site to truck loading. The wide, double-steel reinforced tracks provide stability and reduced total cost of ownership.

# Highlights

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

#### **Technical Data**

#### Hydraulic

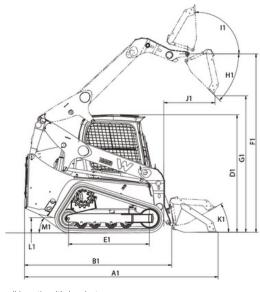
Flow rate	20.1 gal/mi	
Flow rate max.	29.9 gal/mi	
Auxiliary relief pressure	3,480.0 psi	
Mechanical - Output Details		
Ground Pressure (standard track)	5.8 psi	
Break Out Force Bucket	5,300.1 lbf	
Break Out Force Lift Arm	5,000.0 lbf	
Tractive Effort max. at 100% effective force	9,873.6 lbf	
Bucket Roll Back	1.6 s	
Bucket Roll Out	2.1 s	
Lift Arm Raise	3.7 s	
Lift arm lower	2.5 s	
Travel speed stage 1	6.5 m/H	
Travel speed stage 2	9.7 m/H	

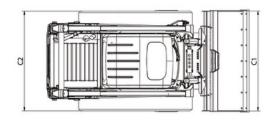
#### Engine

Water-cooling
Tracer occurry
Diesel engine
4.0
151.5 Inch3
2.6 gal US
74.3 hp
2,750.0 1/min
Kohler
42.3 qt US
35.0 gal US
6,199.4 lb
3,099.7 lb
2,169.4 lb

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

## **Dimensions**





A1	Overall length with bucket	136.1 in
B1	Overall length without bucket	106.9 in
C1	Overall width with bucket	68.8 in
D1	Overall height	82.6 in
F1	Hinge pin height	128.5 in
G1	Dump height max.	100.8 in
H1	Dump angle	40 °
l1	Bucket rollback at max. stroke height	94.1 °
J1	Dump reach	38 in
L1	Ground clearance	9.1 in
M1	Angle of departure	33 °
C2	Overall width without bucket	64 in
E1	Length of track on ground	56.7 in
K1	Bucket rollback at ground level	30 °