

ST31

Compact Track Loader

Efficient Excellence

The ST31 matches the compact size of a medium frame with lift capacity of larger loaders. The vertical lift arm, 3,2 meters lift height and 55 kW 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
- Maintenance and Filter Free After-treatment
- Expansive Maintenance Access

Technical Data

Hydraulic

Flow rate	75.0 l/min
Flow rate max.	113.0 l/min
Auxiliary hydraulics relief pressure	241.0 bar

Mechanical - Output Details

Ground Pressure	0.4 bar
Breakout force - tilt	23,576.0 kN
Breakout force - lift	22,241.0 N
Tractive Effort max. at 100% effective force	43,920.0 N
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	10.5 km/h
Travel speed stage 2	15.5 km/h

Mechanical Details

Overall Length without bucket	2,708.0 mm
Overall Length with Bucket	3,469.0 mm
Overall width without bucket	1,705.0 mm
Overall Width (Large Track)	1,785.0 mm
Overall height to top of ROPS	2,108.0 mm
Bucket Hinge Pin Height	3,188.0 mm
Maximum bucket roll back at ground	30.0 °
Bucket roll back at maximum height	30.0 °
Angle of departure	30.0 °
Bucket dump height at maximum height	2,469.0 mm
Bucket dump angle at maximum height	42.0 °
Operating weight	3,672.0 kg
Track gauge	324.0 mm
Track width (optional)	400.0 mm
Underclearance	230.0 mm
Length of Track on Ground	1,452.0 mm
Dump reach at maximum height	995.0 mm

Operating Fluids

Fuel Tank capacity	124.0 l

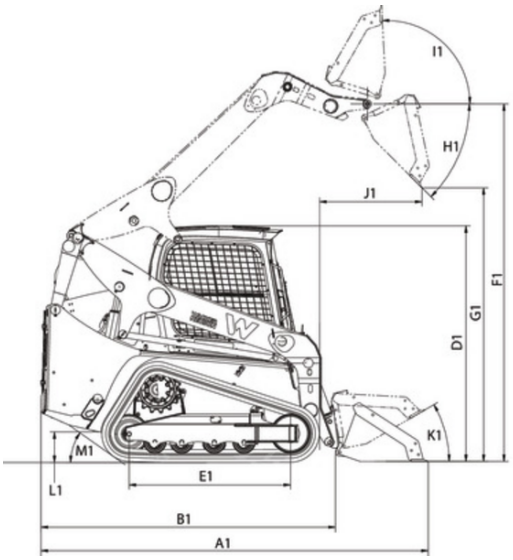
Chassis

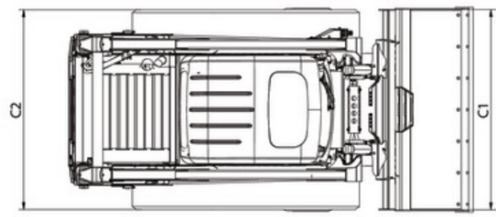
Tip Load	2,812.0 kg
Rated Operating Capacity at 50% Tip Load	1,406.0 kg
Rated Operating Capacity at 35% Tip Load	984.0 kg

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Dimensions





A1	Overall length with bucket	3,469 mm
B1	Overall length without bucket	2,708 mm
D1	Overall height	2,108 mm
F1	Hinge pin height	3,038 mm
G1	Dump height max.	2,319 mm
H1	Dump angle	42 °
I1	Bucket rollback at max. stroke height	30 mm
J1	Dump reach	745 mm
M1	Angle of departure	30.7 °

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