



**WACKER
NEUSON**
all it takes!



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

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

Mechanical - Output Details

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|--|-------------|
| 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 |

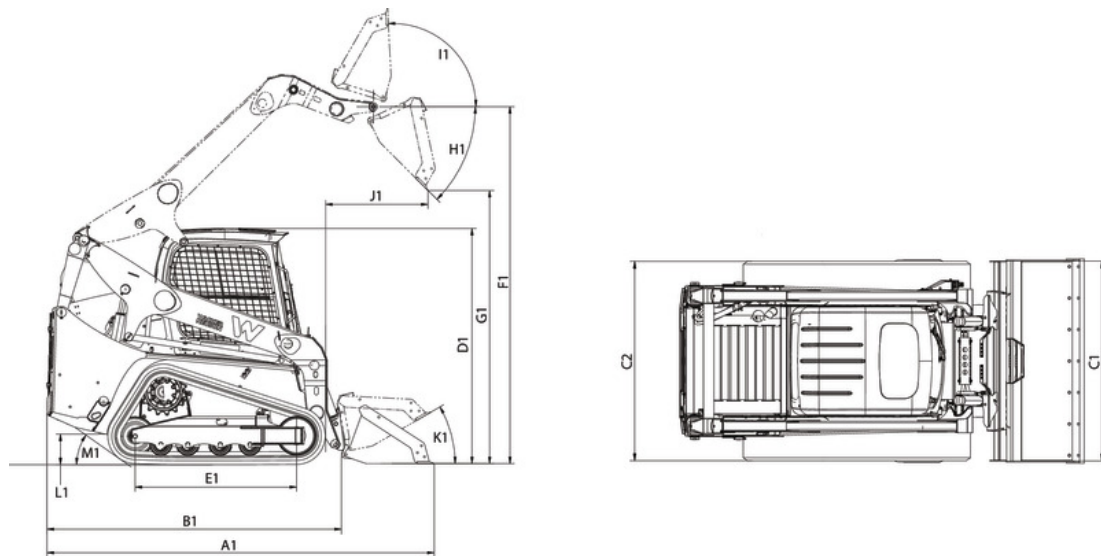
Operating Fluids

| | |
|--------------------|---------|
| Fuel Tank capacity | 124.0 l |
|--------------------|---------|

Chassis

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|--|------------|
| 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 |

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 ° |