



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}{125 inch} lift height and {55 kW}{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
- Maintenance and Filter Free After-treatment
- Expansive Maintenance Access

Technical Data

Hydraulic

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|---------------------------|------------|
| flow rate | 76,0 l/min |
| flow rate max. | 38,0 l/min |
| Auxiliary relief pressure | 241,0 bar |

Mechanical - Output Details

| | |
|---------------------------------|------------|
| Ground Pressure(Standard track) | 0,4 bar |
| Break Out Force Bucket | 23.576,0 N |
| Break Out Force Lift Arm | 22.241,0 N |
| Tractive Effort max. | 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

| | |
|------------------------------|------------|
| Length without Bucket | 2.708,0 mm |
| Length with Bucket | 3.469,0 mm |
| Overall width without bucket | 1.705,0 mm |
| Overall Width (Large Track) | 1.785,0 mm |
| Height to top of ROPS | 2.108,0 mm |
| Bucket Hinge Pin Height | 3.188,0 mm |
| Bucket roll back at ground | 30,0 ° |

| | |
|--------------------------------|------------|
| Bucket roll back at height max | 30,0 ° |
| Angle of departure | 30,0 ° |
| Bucket height at height max. | 2.469,0 mm |
| Buck. dump angle at height max | 42,0 ° |
| Operating weight | 3.672,0 kg |
| Track width | 324,0 mm |
| Track width (optional) | 400,0 mm |
| Ground clearance | 230,0 mm |
| Length of Track on Ground | 1.452,0 mm |
| Dump reach at max. height | 995,0 mm |

Engine

| | |
|------------------------|-------------------------|
| Cooling | water-cooling |
| Cylinder | 4,0 |
| Cylinder capacity | 2.482,0 cm ³ |
| Operating power | 55,0 KW |
| Operating Engine speed | 2.750,0 1/min |
| Manufacturer | Kohler |

Operating Fluids

| | |
|--------------------|---------|
| Fuel Tank capacity | 124,0 l |
|--------------------|---------|

Chassis

| | |
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| Tip Load | 2.812,0 kg |
| Nennbetriebskapazität bei 50% Kipplast | 1.406,0 kg |
| Nennbetriebskapazität bei 35% Kipplast | 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 |
| L1 | Ground clearance | 230 mm |
| M1 | Angle of departure | 30.7 ° |