• Net Power: SAE J1349 51/69 kW/hp

• Operating Weight: 5.1 - 5.2 t 12,125 - 12,919 lb

• Bucket Capacities: 1.0 - 1.5 m³ 1.3 - 2.0 yd³

• High-performance, low environmental impact diesel engine: quiet, low emissions, economical fuel consumption.

• Hydrostatic drive with significant advantages:
  • Easy to operate due to automatic drive facility.
  • Maintains high drawbar pull even when working hydraulics are engaged.
  • Advantageous hydrostatic brakes, wear-free and safe.

• Powerful Z-bar loader-linkage with two lifting cylinders:
  • High breakout force and lifting capacity in bucket applications.
  • Excellent fork-lift capacity.

• Operator-selected 100% differential lock on both axles to give optimum traction.

• Standard hydraulic quick change attachment bracket:
  Various tried-and-tested attachments for a wide range of applications.

• Cab designed for comfort:
  • Electronic Service and Information System (ESIS).
  • Multi-function lever.
The L30B in detail

**Engine**
Deutz in-line 4-cylinder, 4 stroke, direct injection diesel engine with turbocharging, oil/air cooled.

Air cleaning:
1. Primary filter with indicator in cab
2. Safety filter

<table>
<thead>
<tr>
<th>Engine</th>
<th>Deutz BF4L 1011F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross power @</td>
<td>2300 r/min</td>
</tr>
<tr>
<td>SAE J1995</td>
<td>.51 kW</td>
</tr>
<tr>
<td>Net power @</td>
<td>2300 r/min</td>
</tr>
<tr>
<td>SAE J1349 – DIN ISO 1585</td>
<td>.38 kW</td>
</tr>
<tr>
<td>Max torque @</td>
<td>1900 r/min</td>
</tr>
<tr>
<td>SAE J1995 netto</td>
<td>.218 Nm</td>
</tr>
<tr>
<td>DIN ISO 1585</td>
<td>.218 Nm</td>
</tr>
</tbody>
</table>

**Drivetrain**
Dual stage transmission: hydrostatic transmission, full power shift under load, both when changing direction (forward and reverse) and between ranges. Maximum drawbar force can be achieved in all ranges. Inch/brake pedal for variable machine speed control and power transfer to bucket hydraulics at constant engine rpm. Multi-function lever for change of direction, differential lock and all loader functions:

Axles: all-wheel drive by two rigid mounted portal axes

Differential locks: hydraulically actuated 100% differential locks in both axles.

Frame: solid front and rear frame, robot-welded. Articulating oscillating joint for optimum manoeuvrability and traction.

Hydraulics

1. Wear-free, hydrostatic inching brake
2. Central friction brake, actuated via inch/brake pedal. First stage of pedal application actuates the inching facility, the last third of pedal application applies the central friction brake. Hand operated parking brake: central drum brake, acting upon all four wheels.

**Steering system**
Hydrostatic steering. Central articulating-oscillating joint.

Steering pump: gear-type pump

Steering cylinder: 1 double-acting steering cylinder

Steering

- Angle of articulation: ±40°
- @ engine rpm: 25 l/min
- Flow: 6.6 US gpm
- Relief valve pressure: .18,5 MPa
- Torque: 161 lbf ft

**Linkage**
Z-bar loader linkage with high breakout force and exceptional parallel lift-arm action.

- Lift cylinders: 2
- Lift time (loaded): .6,5 sec
- Lowering time (empty): .3,5 sec
- Dump time: .1,5 sec
- Crowd time: .2,0 sec

**Service fill Capacities**

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity (liters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine</td>
<td>10.5</td>
</tr>
<tr>
<td>Hydrostatic tank,</td>
<td>2.8</td>
</tr>
<tr>
<td>incl. hydraulic system</td>
<td>17.2 US gal</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>86.0</td>
</tr>
<tr>
<td>Front axle, total</td>
<td>11.0</td>
</tr>
<tr>
<td>Rear axle, incl. drop-box</td>
<td>12.0</td>
</tr>
<tr>
<td>Hydraulic tank, incl. hydraulic system</td>
<td>65.0</td>
</tr>
</tbody>
</table>
## Specifications

### L30B with Z-bar linkage, Z-attachment carrier and 12.5-20 IND. SG tires

| L30B with Z-bar linkage, Z-attachment carrier and 12.5-20 IND. SG tires | B 4365 mm 14' 4
|---|---|
| | C 2150 mm 7' 11
| | D 440 mm 1' 5
| | F 2710 mm 8' 11
| | G 900 mm 2' 11
| | J 3000 mm 9' 10
| | K 3200 mm 10' 6
| | O 70
| | P 45
| | Q 50
| | S 140
| | U 200 mm 0' 8
| | X 1482 mm 4' 10
| | Y 1758 mm 5' 9
| | Z 2930 mm 9' 7
| | a 3910 mm 12' 10
| | a 2030 mm 6' 8
| | a ±40

### Data according to bucket type

<table>
<thead>
<tr>
<th>L30B with Z-bar linkage, Z-attachment carrier and 12.5-20 IND. SG tires</th>
<th>General Purpose</th>
<th>Light Material</th>
<th>Multi-Purpose</th>
<th>High-Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity heaped</td>
<td>m³</td>
<td>1.0</td>
<td>1.1</td>
<td>1.3</td>
</tr>
<tr>
<td></td>
<td>yd³</td>
<td>1.3</td>
<td>1.4</td>
<td>1.7</td>
</tr>
<tr>
<td>Material density</td>
<td>kg/m³</td>
<td>1900</td>
<td>1700</td>
<td>1400</td>
</tr>
<tr>
<td></td>
<td>lb/yd³</td>
<td>2359</td>
<td>2022</td>
<td>3202</td>
</tr>
<tr>
<td>Static tipping load, straight (ISO / DIS)</td>
<td>kg</td>
<td>4350</td>
<td>4250</td>
<td>4200</td>
</tr>
<tr>
<td></td>
<td>lb</td>
<td>9590</td>
<td>9370</td>
<td>9259</td>
</tr>
<tr>
<td>Static tipping load, full turn 40° (ISO / DIS)</td>
<td>kg</td>
<td>3850</td>
<td>3800</td>
<td>3750</td>
</tr>
<tr>
<td></td>
<td>lb</td>
<td>8488</td>
<td>8378</td>
<td>8267</td>
</tr>
<tr>
<td>Hydraulic lifting capacity, max.</td>
<td>kN</td>
<td>46.5</td>
<td>45.5</td>
<td>44.5</td>
</tr>
<tr>
<td></td>
<td>lb</td>
<td>10454</td>
<td>10229</td>
<td>10004</td>
</tr>
<tr>
<td>Breakout force</td>
<td>kN</td>
<td>55.0</td>
<td>48.0</td>
<td>42.5</td>
</tr>
<tr>
<td></td>
<td>lb</td>
<td>12365</td>
<td>10791</td>
<td>9554</td>
</tr>
<tr>
<td>A Total length</td>
<td>mm</td>
<td>5160</td>
<td>5260</td>
<td>5365</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>16'11&quot;</td>
<td>17'3&quot;</td>
<td>17'7&quot;</td>
</tr>
<tr>
<td>L Lift height, max.</td>
<td>mm</td>
<td>4190</td>
<td>4230</td>
<td>4320</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>13'3&quot;</td>
<td>13'11&quot;</td>
<td>14'2&quot;</td>
</tr>
<tr>
<td>V Bucket width</td>
<td>mm</td>
<td>1900</td>
<td>1900</td>
<td>1900</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>6'3&quot;</td>
<td>6'3&quot;</td>
<td>6'3&quot;</td>
</tr>
<tr>
<td>a₁ Clearance circle</td>
<td>mm</td>
<td>8490</td>
<td>8550</td>
<td>8620</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>27'10&quot;</td>
<td>28'1&quot;</td>
<td>28'3&quot;</td>
</tr>
<tr>
<td>T Digging depth</td>
<td>mm</td>
<td>75</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>0'3&quot;</td>
<td>0'3&quot;</td>
<td>0'3&quot;</td>
</tr>
<tr>
<td>H Dump height</td>
<td>mm</td>
<td>2550</td>
<td>2475</td>
<td>2400</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>8'4&quot;</td>
<td>8'1&quot;</td>
<td>7'10&quot;</td>
</tr>
<tr>
<td>M Reach at max. height</td>
<td>mm</td>
<td>680</td>
<td>745</td>
<td>815</td>
</tr>
<tr>
<td></td>
<td>ft</td>
<td>2'3&quot;</td>
<td>2'5&quot;</td>
<td>2'8&quot;</td>
</tr>
<tr>
<td>N Reach, max.</td>
<td>mm</td>
<td>1455</td>
<td>1525</td>
<td>1595</td>
</tr>
</tbody>
</table>
| | ft | 4'9" | 5'0" | 5'3" | 5'4" | 4'11" | 7'1"
| Operating weight | kg | 5500 | 5520 | 5550 | 5580 | 5710 | 5860 |
| | lb | 12,125 | 12,170 | 12,236 | 12,302 | 12,588 | 12,919 |

### Data with loading fork

#### Centre of gravity 500 mm

| Tipping load, full turn (ISO / DIS) | kg | 2950 | 6504 |
| Payload according to EN 474-3, 60/80% | kg | 1750/2300 | 3858/5071 |
| Payload 80%, transport position, 40 ° full turn | kg | 2500 | 5512 |

### L30B - Possible machine variations

<table>
<thead>
<tr>
<th>Linkage/attach. carrier</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z-bar / Volvo attachment bracket</td>
<td></td>
</tr>
</tbody>
</table>

---

Note: The diagram and table contents are not transcribed into markdown format due to the complexity and specific nature of the data.
STANDARD EQUIPMENT

Engine
Diesel engine, direct fuel injection
Water separator
Cold start aid
Dry-type air filter

Electrical system
Alternator 80 A
Lighting:
Main head lights (halogen)
full/dipped/asymmetrical
Working lights (2 front/2 rear, right)
Parking lights
Tail lights
Brake lights
Direction indicators
Hazard warning lights
Reversing lights

Instrumentation & controls:
Multi-function loader lever
12 Volt accessory socket
Horn
Safety start

Analogue LED-information for:
Fuel level
Engine temperature
Drive system oil temperature
LED-illuminated symbols (colour-coded) for:
Direction (forward/reverse)
Indicators (left/right)
Engine cold start
Head lamp
Differential locks
Parking brake
Air filter restriction
Drive system oil temperature
Engine temperature
Engine oil pressure
Battery charging
Return filter

OPTIONAL EQUIPMENT
(Standard on certain markets)

Engine equipment
Oil pan re-heater
Pre cleaner air filter (Turbo II)
Oilbath air filter
Exhaust particle filter

Cab
Hand throttle
Hand control inch valve
Air conditioner
Radiator

Hydraulic system
Additional hydraulics for 3rd hydraulic circuit
4th hydraulic circuit
Additional pump
3rd hydraulic circuit activated by lever

Environment
Initial filling of biodegradable hydraulic oil

Safety
Anti-theft system
Protective guards for:
Main head lights
Working lights
Rear lights
Rotating beacon
Audible reverse alarm

Touch pad with symbols and integrated LEDs for:
Parking lights
Working lights (front/rear)
Windscreen wiper (rear)
Rotating beacon (option)
Boom arm suspension system on/off (option)
Locking and activation of Volvo-attachment carrier (option)
Activation of multi-function lever for directional change

Digital LED display activated by dual function keys for:
Entry and retrieval of operating and service information
Anti-theft function control

Drivetrain
Hydrostatic drive
Operator-selected 100% differential locks
Tires 125-20 IND. SG

Cab interior
Removable ROPS/FOPS-cab with flexible mountings
Walk-through cab
Lockable door
All-round tinted safety glass
Windscreen wiper (front/rear)
Windscreen washer (front/rear)
Sliding window in the left door
Door stops
External rear view mirrors (right/left)

4-way adjustable operator's seat
Adjustable steering column
Seat belt
Sunvisor
Heater with air-filter and defroster (front/rear)
Cab ventilation
Preparation for an optional air-conditioner
Storage box in the cab

ATTACHMENTS
A small selection of the most popular attachments:
Loading Fork
Multi-Purpose Bucket
Material Handling Arm
Sweeper
Scrap Grapple Bucket
Side-Tip Bucket
High-Tip Bucket
Hay/Manure Fork
Snow Plow

All products are not available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. The illustrations do not necessarily show the standard version of the machine.

Volvo, Konz

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