- Gross Power: SAE J1995 52/71 kW/hp
  Net Power: SAE J1349 50/68 kW/hp
- Operating Weight: 5.1 - 5.2 t
- Bucket Capacities: 0.9 - 1.4 m³
- Loading fork payload (80%): 2050 - 2300 kg
- 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.
  - Exceptional parallel lifting with the loading forks.
  - Excellent fork-lift capacity.
- Optimum traction and manoeuvrability due to portal axles and operator-selected 100% differential lock on both axles.
- Standard hydraulic quick-change coupling: Various tried-and-tested attachments for a wide range of applications.
- Purpose designed cab comfort:
  - Operator seat, arm rest, instrument panel with integrated steering wheel, can all be adjusted independently from one another.
Compact wheel loader L30B

Innovative Design
The new Volvo wheel loaders are something to be proud of. Their unmistakable rounded silhouette is pointing the way for a completely new generation of construction equipment. The attractive appearance is combined with function: Rounded rear section and 3-D-panorama cabin with extremely narrow frame parts enable an all-round view which has never before been achieved - for additional safety at work. With their compact dimensions and the selectable 100% differential lock these machines can easily cope with difficult terrain.

Uncompromising performance
Well-proven technology, high quality components and a well thought-out design: engine and central maintenance points in a service-friendly transverse arrangement. Powerful Z-bar loader linkage with excellent lifting capacities and breakout forces. Durable hydrostatic travel drive for constant power. Strong diesel engines with high power reserves. Exemplary environmental features: excellent fuel economy, operation with low exhaust and reduced noise emissions. Approved by the German «Blue Angel» environmental seal for low noise machine operation (20 km/h version).

First-class operator comfort
Mount your new Volvo loader and start into a successful work day. Your compact machine from Volvo makes it easy for you. Its spacious, comfortable cabin is entirely designed for precise and fatigue free work: excellent air conditioning, adjustable operator's seat and individually adjustable steering column. Clearly arranged dash board with an information system to monitor important operating data.

Membrane key pad with symbols and integrated LEDs
- Entry and retrieval of basic operating data
- Functional keys for various operating functions
- Anti-theft function via numeric code

6-digit LED-display
- Indication of operating data

Colour-coded LED-illuminated symbols
- as controls
- as warning symbols combined with acoustic signal

Analog LED-information
- Fuel level
- Engine temperature
- Drive system oil temperature
Non stop operation

Don’t forget your breaks. Otherwise it may easily happen that you are on the go around the clock. Because there is always something to do for a real Volvo allrounder: in the morning with a bucket, at noon with the loading fork, in the afternoon with the road sweeper. Or with another one of the more than 60 attachments, with which you can convert your compact Volvo to your individual needs. With hardly any loss of time, because the hydraulic quick change system is standard on all machines.

Z-bar loader-linkage - robust multi-purpose loader-linkage with high breakout and lift forces. Powerful in loading and production.
**ENGINE**

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

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

Engine ........................................ D3DCDE2
Gross power @ ................................ 2300 r/min
SAE J1995 ...................................... 52 kW
SAE J1995 ...................................... 71 hp
Net power @ .................................... 2300 r/min
SAE J1349 - DIN ISO 1585 ................. 50 kW
SAE J1349 - DIN ISO 1585 ................. 68 hp
Max. torque @ .................................. 1600 r/min
SAE J1349 nettio .............................. 241 Nm
DIN ISO 1585 .................................. 241 Nm
Cubic capacity ................................ 3.11 l
Bore ............................................. 94 mm
Stroke .......................................... 112 mm

**BRAKING SYSTEM**

Service brake: reliable dual braking system, acting upon all four wheels.

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.

Parking brake: central drum brake, acting upon all four wheels.

**HYDRAULIC SYSTEM**

Thermostatically controlled oil circuit with integrated cooling system.

Hydraulic control valve: Servo-controlled, double acting control valve three spool system, with primary and secondary pressure valves.

1. Lifting function
2. Tilting function
3. Additional function for hydraulic QC
   Unlock, neutral, lock
   Preparation for operating hydraulic attachments with this function is available as an option.

Hydraulic oil filter: Combined suction and return-filtration cartridge with a 10 µm filter.
   The filter can be replaced without emptying the hydraulic oil tank.

Hydraulic pump: gear type-pump

Hydraulic pump
Flow .............................................. 55 l/min
@ engine rpm .................................... 2300 r/min
Relief valve pressure .......................... 23 MPa

**ELECTRICAL SYSTEM**

Rated voltage .................................. 12 V
Battery voltage .................................. 12 V
Battery capacity ................................ 88 Ah
Alternator rating ............................... 1120/80 W/A
S STARTER motor output ....................... 2.2 kW

**DRIVETRAIN**

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 use of the servo-control.

Axles: all-wheel drive by two rigid portal axles.

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

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

Oscillation at wheel, max.......................... 250 mm
Track ............................................. 1436 mm
Angle of oscillation .............................. ±10°
Tires: Size ...................................... 335/80 R20
Rim .............................................. 11 x 20
Speed, max:: Standard High Speed
1st range forward/reverse .................. 6.0 km/h 8.0 km/h
2nd range forward/reverse .................. 20.0 km/h 30.0 km/h

**STEERING**

Hydrostatic steering. Central articulating-oscillating joint with damping effect.

Steering pump: gear-type pump

Steering cylinder: 1 double-acting steering cylinder

Steering
Angle of articulation ............................. ±40°
Steering pump
Flow .............................................. 25 l/min
@ engine rpm .................................... 2300 r/min
Relief valve pressure .......................... 18.5 MPa

**SERVICE FILL CAPACITIES**

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine</td>
<td>10.5 l</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>86.0 l</td>
</tr>
<tr>
<td>Front axle, incl. drop-box</td>
<td>12.0 l</td>
</tr>
<tr>
<td>Rear axle, incl. hydraulic system</td>
<td>65.0 l</td>
</tr>
</tbody>
</table>

**LINKAGE**

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linkage system</td>
<td>Z</td>
</tr>
<tr>
<td>Lift cylinders</td>
<td>2</td>
</tr>
<tr>
<td>Tilt cylinders</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift time (loaded)</td>
<td>6.5 s</td>
</tr>
<tr>
<td>Lowering time (empty)</td>
<td>3.5 s</td>
</tr>
<tr>
<td>Dump time</td>
<td>1.5 s</td>
</tr>
<tr>
<td>Crowd time</td>
<td>2.0 s</td>
</tr>
</tbody>
</table>
### DIMENSIONS • Z-BAR LINKAGE

|                | B      | C      | D      | E      | F      | G      | H      | J      | K      | L      | M      | N      | O      | P      | Q      | R      | S      | T      | U      | V      | W      | X      | Y      | Z      | a₁     | a₂     | a₃     | a₄     |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Description    | 4390 mm| 2150 mm| 465 mm | 2690 mm| 870 mm | 3000 mm| 3200 mm| 70 °   | 45 °   | 50 °   | 140 °  | 200 mm | 1436 mm| 1758 mm| 2900 mm| 3880 mm| 2070 mm| 240 °  |

### OPERATING DATA • Z-BAR LINKAGE

#### Data according to bucket type

<table>
<thead>
<tr>
<th>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</th>
<th>General Purpose</th>
<th>Light Material</th>
<th>4-in-1</th>
<th>High-Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity heaped</td>
<td>m³</td>
<td>m³</td>
<td>m³</td>
<td>m³</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>0.9</td>
<td>1.0</td>
<td>1.2</td>
<td>1.4</td>
</tr>
<tr>
<td>Material density</td>
<td>kg/m³</td>
<td>kg/m³</td>
<td>kg/m³</td>
<td>kg/m³</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>1800</td>
<td>1600</td>
<td>1300</td>
<td>1100</td>
</tr>
<tr>
<td>Static tipping load, straight (ISO / DIS)</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>3800</td>
<td>3700</td>
<td>3650</td>
<td>3550</td>
</tr>
<tr>
<td>Static tipping load, full turn 40° (ISO / DIS)</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>3350</td>
<td>3300</td>
<td>3250</td>
<td>3150</td>
</tr>
<tr>
<td>Hydraulic lifting capacity, max.</td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>46,5</td>
<td>45,5</td>
<td>44,5</td>
<td>44,0</td>
</tr>
<tr>
<td>Breakout force</td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>55,0</td>
<td>48,0</td>
<td>42,5</td>
<td>42,5</td>
</tr>
<tr>
<td>Breakout force</td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
<td>kN</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>52,0</td>
<td>-</td>
<td>52,0</td>
<td>-</td>
</tr>
<tr>
<td>A Total length</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>5185</td>
<td>5285</td>
<td>5390</td>
<td>5390</td>
</tr>
<tr>
<td>L Lift height, max.</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>4160</td>
<td>4205</td>
<td>4290</td>
<td>4290</td>
</tr>
<tr>
<td>V Bucket width</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
</tr>
<tr>
<td>a₁ Clearance circle</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>8400</td>
<td>8480</td>
<td>8550</td>
<td>8710</td>
</tr>
<tr>
<td>T Digging depth</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>105</td>
<td>105</td>
<td>105</td>
<td>105</td>
</tr>
<tr>
<td>H Dump height</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>2520</td>
<td>2450</td>
<td>2370</td>
<td>2370</td>
</tr>
<tr>
<td>M Reach at max. height</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>705</td>
<td>775</td>
<td>845</td>
<td>845</td>
</tr>
<tr>
<td>N Reach, max.</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>1485</td>
<td>1550</td>
<td>1625</td>
<td>1625</td>
</tr>
<tr>
<td>Operating weight</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>5100</td>
<td>5120</td>
<td>5150</td>
<td>5180</td>
</tr>
</tbody>
</table>

#### Data with loading fork

<table>
<thead>
<tr>
<th>Centre of gravity 500 mm</th>
<th>without counter-weight</th>
<th>with 330 kg counter-weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tipping load, full turn (ISO / DIS)</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>2590</td>
<td>2920</td>
</tr>
<tr>
<td>Payload according to EN 474-3, 60/80%</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>1550/2050</td>
<td>1750/2300</td>
</tr>
<tr>
<td>Payload 80%, transport position, 40° full turn</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>L30B with Z-bar linkage, Z-attachment carrier and 335/80 R20 tires</td>
<td>2350</td>
<td>2500</td>
</tr>
</tbody>
</table>

#### Data with bucket and counterweight 330 kg

For all buckets

| Material density                                              | +200 kg/m³             |
| Static tipping load, straight (ISO / DIS)                     | +550 kg                |
| Static tipping load, full turn 40° (ISO / DIS)                | +500 kg                |
STANDARD EQUIPMENT

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

Electrical System
Alternator 80 A

Lighting:
Main head lights (halogen)
duall/pidded/asymmetrical
Working lights (2 front/1 rear)
Parking lights
Rear lights
Brake lights
Direction indicators
Hazard warning lights
Reversing lights
Cab lighting

Instrumentation & controls:
Multi-function lever
12 Volt accessories socket
Horn
Hazard warning switch
Safety start

Information System:
Analog LED-information for:
Fuel level
Engine temperature
LED-illuminated symbols
(colour-coded) for:
Direction (forward/reverse)
Indicators (left/right)
Pre-heater
Main beam
Differential locks

Boom arm suspension system (option)
Loading fork operation (option)
LED-illuminated symbols (red)
with acoustic signal for:
Parking brake
Air filter restriction
Drive system oil temperature
Engine temperature
Engine oil pressure
Battery charging
Return filter
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 operat-
ing and service information
Anti-theft function control

Drivetrain
Hydrostatic drive
Operator-selected 100%
differential locks
Tires 335/80 R20

Hydraulic System
Gear-type pump
Control valve three-spool system
3rd hydraulic circuit

Service and Maintenance
Tool kit
Wheel nut wrench

Cab, Exterior
ROPS/FOPS-cab with flexible mountings
Walk-through cab
Lockable doors
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)

Cab, Interior
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

Working Equipment
Bucket level indicator
Hydraulic quick-change
attachment carrier

Carriage Body
Fenders and mudguards,
(front/rear)
Lockable engine hood
Vertical exhaust
towing device
Lifting eyes

International Standards for
Machines and Production
Quality:
DIN/ISO 9001
Safety:
CE - Criteron
Machine guide-lines 98/37/EC
ROPS ISO 3471
FOPS ISO 3449
Operating weight
ISO 7131
Tipping load / Payload:
ISO / DIS 14397-1
EMV (Electromagnetic Compatibility)
89/336/EEC plus supplement
Environment:
DIN/ISO 14001
Sound insulation:
2000/14/EC
German environmental seal
«low noise» RAL - UZ 53
(20 km/h version)

OPTIONAL EQUIPMENT

Engine
Pre-heater
Pre cleaner air filter (Turbo II)
Oil bath air filter
Exhaust particle filter

Hydraulics
Hydraulic couplings for
3rd hydraulic circuit
4th hydraulic circuit
Additional pump

Cab
Hand throttle
Hand control inch valve
Air conditioner
Radio
Working light (1 rear, left)
Air suspension operator's seat

Working Equipment
Boom arm suspension system

Environment
Biodegradable hydraulic oil
Low-noise kit
(1 High Speed version)

Carriage Body
Counterweight 330 kg

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

ATTACHMENTS

A small selection of the most popular attachments.
Further buckets and attachments available on request.

Under our policy of continuous product improvement, we reserve the right to change specifications and design without prior notice, the illustrations do not necessarily show the standard version of the machine.