

**VOLVO COMPACT WHEEL LOADERS**

**L30B PRO**  
**L35B PRO**



**MORE CARE. BUILT IN.**



# TAKING PERFORMANCE, VERSATILITY TO A NEW LEVEL.

The Volvo L30B Pro and L35B Pro Compact Wheel Loaders are packed with performance to give you a highly productive, highly versatile machine. Both models allow you to do more with less effort. Test one and you'll discover a compact wheel loader that brings efficiency and performance to a new level.

The L30B Pro and L35B Pro have efficient direct fuel injection Volvo diesel motors engines that are high on performance output and low on fuel consumption, saving you money on every job. And while you'll be able to move plenty of earth, you won't be disruptive to the environment because of the low emission exhaust/gas ratio that meets new ISO 8178 standards.

Easy on, easy off differential locks keep the operator in control at all times. One hundred percent operator selectable front and rear axle differential locks give optimum traction on adverse terrain and help keep all wheels turning at the same speed.

The separate working and steering hydraulic pumps raise performance and provide faster work cycles. Quick steering actions won't impact performance because the independent hydraulic system always maintains the same speed when working and steering at the same time. The smoothness of the hydraulic control valve provides precise control during all hydraulic operations.

You'll also be able to go where other units can't because of heavy-duty portal axles that feature superb ground clearance. Super strong front and rear axles transmit optimal drive torque to the wheels, providing increased traction in the roughest conditions.

Both units have a highly agile frame that has an articulating/oscillating joint, helping you reach tight areas.

The compensation provided by the front and rear frame oscillation helps the operator enjoy comfort, stability and superior steering on all surfaces, including uneven terrain.

The beveled lower side counterweight allows both units to operate up or down extremely steep slopes, giving the operator use of a versatile machine built for a variety of job sites and conditions.



- Big on output, low on fuel to save money on every job.



- Standard operator selectable differential locks on both front and rear axles provide optimal traction



- Separate working and steering hydraulic pumps provide fast cycle times without losing power or control.





- Superb ground clearance, drive torque and traction provided by the elevated portal axles.
- Smooth hydraulic control provided by the precision of the control valve.



- Articulating frame for work in tight areas.
- Versatile machine operates on steep slopes.



# THE ABILITY TO COMFORTABLY TAKE ON ANY JOB.

With an extensive selection of attachments available, the Model L30B Pro and Model L35B Pro can help you to do more than you ever thought possible. You'll be able to tackle the various jobs in the comfort and safety of a deluxe cab that makes your work much easier and your workday more productive

Changing attachments is fast and easy with the standard Volvo style hydraulic quick coupler that lets you get connected right from the operator's seat. And there are a wide variety of available attachments, including forks, buckets, material handling arm, sweeper and log or scrap grapples; just to name a few.

Unleash the machine's power and potential with the Z-bar loader linkage, which features exceptional breakout force at ground level where you need it most. Dual lift cylinders boost power for optimum lift height and fast cycle times. And because the Z-bar loader linkage is long and narrow, the operator always has a clear view of the loading fork.

Both units feature narrow ROPS columns, wide panoramic windows and a rounded rear section to provide the operator with 360° of visibility to simplify operation and enhance safety.

The cab features large anti-slip steps and handrails for safe access so the operator always has three points of contact. Inside the cab, you'll find one of the most spacious operator stations in its category, providing exceptional comfort for increased productivity. And you'll be able to instantly monitor all functions because of well-positioned instrument gauges.

The ergonomic multifunction joystick provides accurate and precise movements, including lift, lower, dig, dump, drive direction and differential locks. The enclosed cab features a fully adjustable operator's seat, a tilt steering column, and fully adjustable ergonomic arm rest which help reduce fatigue.



- Volvo hydraulic quick coupler for fast attachment changes.



- A wide variety of attachments available including material handling arm.



- 4 in 1 bucket.



- Sweeper.



- Instrument panel puts you in control of all major functions.
- Spacious cab offers comfort and visibility.
- Z-bar linkage provides excellent breakout and tearout force.
- Anti-slip steps provide easy, safe cab access.
- Ergonomic control for multiple functions.





# ENDURING QUALITY THAT'S ALWAYS EASY TO MAINTAIN.

Along with performance and versatility, the Volvo L30B Pro and L35B Pro Compact Wheel Loaders provide superb quality and serviceability. More care and quality is built in for maximum uptime. When repairs are needed, both units offer easy access to service components to get you back to work faster.

Both units offer easy access for routine or extensive service. Under the lift-up engine hood, you'll find transverse-mounted Volvo engine and simplified access to the air, oil, fuel and hydraulic filters. Both machines feature long-life timing belts and a long-lasting standard water separator to ensure optimal performance, minimal wear and maximum uptime for the life of the machine. Daily servicing is easy with ground-level access for fuel fill and grease points.

The hydraulic hoses and electrical cables are guided through the middle of the central articulation/oscillation joint for maximum protection. This superior design helps avoid expensive machine downtime and repairs.

The units are also built for safety, with ROPS/FOPS certified cabs, seatbelts, hydrostatic braking system, front and rear work lights and a sound insulated hood that protects operator hearing. It all adds up to a safer working environment for both the operator and those working near the unit.

The durable bucket teeth are built tougher than ever for improved digging ability. You can handle the toughest workloads and feel the power of the direct injection diesel engine and sturdy robot-welded frame. Adjustable fenders give you added flexibility and wheel coverage, regardless of tire size.



- Protected hoses and cables to avoid expensive downtime.



- Easy access to dual element filters.



- Quality components and construction ensure long life.



- Easy service access to the engine compartment.



- Long lasting hydraulic filters, to reduce costs.
- ROPS/FOPS certified cab for safe operation.



# SPECIFICATIONS

## 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

	L30B Pro	L35B Pro
<b>Engine</b>	D3DCDE2	D3DCEE2
<b>Gross power @</b>	2300 r/m <b>(38 r/s)</b>	2600 r/m <b>(43 r/s)</b>
<b>SAE J1995</b>	52 kW - 71 hp	57 kW - 77 hp
<b>Net power @</b>	2300 r/m <b>(38 r/s)</b>	2600 r/m <b>(43 r/s)</b>
<b>SAE J1349 - DIN ISO 1585</b>	50 kW - 68 hp	55 kW - 75 hp
<b>Max torque @</b>	1600 r/m <b>(26.7 r/s)</b>	1600 r/m <b>(26.7 r/s)</b>
<b>SAE J1995</b>	241 Nm <b>(178 lbf)</b>	241 Nm <b>(178 lbf)</b>
<b>DIN ISO 1585</b>	241 Nm <b>(178 lbf)</b>	241 Nm <b>(178 lbf)</b>
<b>Cubic capacity</b>	3,11 l <b>(190 in³)</b>	3,11 l <b>(190 in³)</b>

## Electrical system

	L30B Pro	L35B Pro
<b>Voltage/Battery capacity</b>	12 V - 88 Ah	12 V - 88 Ah
<b>Alternator rating</b>	1120 - 80 W/A	1120 - 80 W/A
<b>Starter motor output</b>	2,2 kW <b>(3.0 hp)</b>	2,2 kW <b>(3.0 hp)</b>

## Drivetrain

Transmission: hydrostatic transmission, full power shift under load, both when changing direction (forward and reverse) and between ranges. Maximum drawbar power 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% differential locks in both axles.

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

	L30B Pro	L35B Pro
<b>Oscillation at wheel, max.</b>	250 mm <b>(10")</b>	270 mm <b>(10.6")</b>
<b>Track</b>	1412 mm <b>(4'8")</b>	1532 mm <b>(0'5")</b>
<b>Angle of oscillation</b>	±10°	±10°
<b>Tire /Rim size</b>	400/70 R18 /13x18	400/70 R20 /13x20

### Maximum speed (Standard)

<b>1st range forward/reverse</b>	6 km/h <b>(3.7 mph)</b>	6 km/h <b>(3.7 mph)</b>
<b>2nd range forward/reverse</b>	18,5 km/h <b>(11.5 mph)</b>	20 km/h <b>(12.5 mph)</b>

### Maximum speed (High speed)

<b>1st range forward/reverse</b>	8 km/h <b>(5 mph)</b>	8 km/h <b>(5 mph)</b>
<b>2nd range forward/reverse</b>	28 km/h <b>(17.5 mph)</b>	30 km/h <b>(19 mph)</b>

## Brake 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.

## Steering system

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

Angle of articulation ±40°

Steering pump/gear-type pump

	L30B Pro	L35B Pro
<b>Flow @ engine r/min</b>	25 l/min - 2300 r/min <b>(6.6 gpm - 38 r/s)</b>	29 l/min - 2600 r/min <b>(7.7 gpm - 43 r/s)</b>
<b>Relief valve pressure</b>	18.5 Mpa <b>(2685 psi)</b>	18.5 Mpa <b>(2685 psi)</b>

## Cab

Instrumentation: All important information is centrally located in the operator's field of vision.

## Hydraulic system

Thermostatically controlled oil circuit with integrated cooling system.

Hydraulic control valve: Servo-controlled, double acting control valve with 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

	L30B Pro	L35B Pro
<b>Flow @ engine r/min</b>	55 l/min - 2300 r/min <b>(14.5 US gpm - 38.3 r/s)</b>	73 l/min - 2600 r/min <b>(19.3 US gpm - 43.3 r/s)</b>
<b>Relief valve pressure</b>	25 Mpa <b>(3625 psi)</b>	25 Mpa <b>(3625 psi)</b>

## Linkage

Powerful Z-bar loader-linkage.

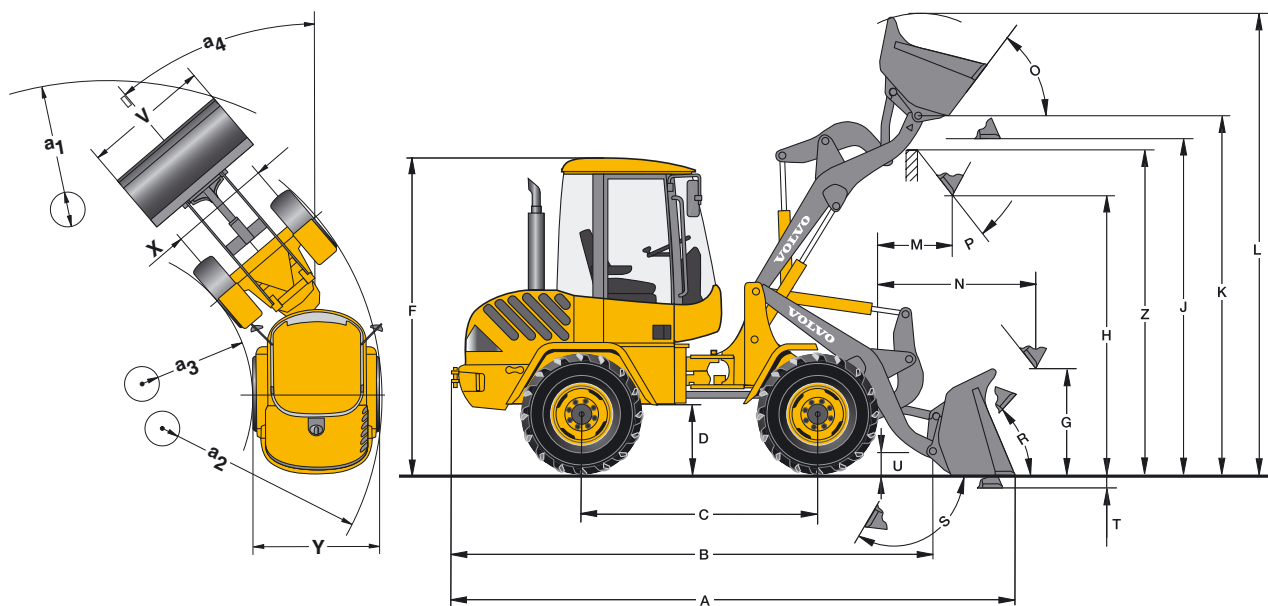
	L30B Pro	L35B Pro
<b>Lift cylinders / Tilt cylinders</b>	2/1	2/1
<b>Lift time (loaded)</b>	6,5 s	5,5 s
<b>Lowering time (empty)</b>	3,5 s	3,5 s
<b>Dump time</b>	1,5 s	1,2 s
<b>Crowd time</b>	2,0 s	1,5 s

## Capacities

	L30B Pro	L35B Pro
<b>Engine</b>	10,5 l <b>(2.8 US gal)</b>	10,5 l <b>(2.8 US gal)</b>
<b>Fuel tank</b>	86,0 l <b>(22.7 US gal)</b>	86,0 l <b>(22.7 US gal)</b>
<b>Front axle</b>	12,2 l <b>(3.2 US gal)</b>	12,2 l <b>(3.2 US gal)</b>
<b>Rear axle, incl. drop-box</b>	13,5 l <b>(3.6 US gal)</b>	13,5 l <b>(3.6 US gal)</b>
<b>Hydraulic tank, incl. hydraulic system</b>	65,0 l <b>(17.2 US gal)</b>	65,0 l <b>(17.2 US gal)</b>



# SPECIFICATIONS - L30B PRO

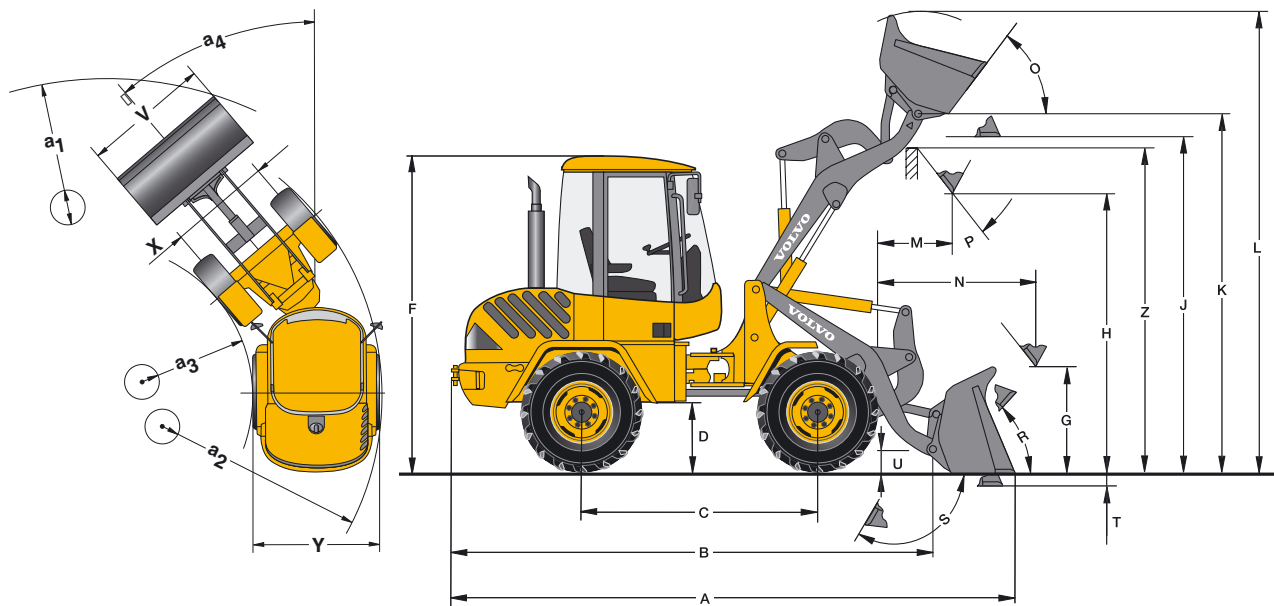





Data according to bucket type		Gen. Purpose without teeth	Light material	
L30B Pro with Z-bar linkage, Z-attachment carrier and 400/70 R18 tires				
Capacity heaped	m <sup>3</sup> (yd <sup>3</sup> )	0,9 (1.2)	1,2 (1.6)	1,6 (2.1)
Material density	kg/m <sup>3</sup> (lb/yd <sup>3</sup> )	2100 (3540)	1500 (2530)	1100 (1850)
Static tipping load, straight (ISO / DIS)	kg (lb)	4400 (9700)	4250 (9370)	4100 (9040)
Static tipping load, full turn 40° (ISO / DIS)	kg (lb)	3850 (8490)	3750 (8270)	3600 (7940)
Hydraulic lifting capacity, max.	kN (lbf)	57,5 (12930)	55,5 (12480)	53,0 (11920)
Breakout force	kN (lbf)	61,0 (13710)	53,0 (11920)	43,5 (9780)
A Total length	mm (ft in)	5160 (16'11")	5260 (17'3")	5430 (17'10")
L Lift height, max.	mm (ft in)	4140 (13'7")	4230 (13'11")	4385 (14'5")
V Bucket width	mm (ft in)	1900 (6'3")	2000 (6'7")	2100 (6'11")
a <sub>1</sub> Clearance circle	mm (ft in)	8495 (27'11")	8645 (28'5")	8845 (29'0")
T Digging depth	mm (ft in)	80 (0'3")	80 (0'3")	80 (0'3")
H Dump height	mm (ft in)	2545 (8'4")	2475 (8'2")	2350 (7'9")
M Reach at max. height	mm (ft in)	715 (2'4")	780 (2'7")	895 (2'11")
N Reach, max.	mm (ft in)	1495 (4'11")	1560 (5'1")	1670 (5'6")
Operating weight	kg (lb)	5460 (12040)	5500 (12130)	5590 (12320)

L30B Pro with Z-bar linkage, Z-attachment carrier and 400/70 R18 tires	
B	4370 mm (14'4")
C	2150 mm (7'1")
D	570 mm (1'10")
F	2710 mm (8'11")
G	870 mm (2'10")
J	3025 mm (9'11")
K	3225 mm (10'7")
O	70°
P	45°
R	50°
S	140°
U	200 mm (0'8")
X	1412 mm (4'8")
Y	1815 mm (6'0")
Z	2930 mm (9'7")
a <sub>2</sub>	3900 mm (12'10")
a <sub>3</sub>	2030 mm (6'8")
a <sub>4</sub>	±40°

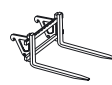
Data with loading fork		
Centre of gravity 500 mm		
Tipping load, full turn (ISO / DIS)	kg (lb)	3000 (6610)
Payload according to EN 474-3, 60/80%	kg (lb)	1800/2400 (3970/5300)
Payload 80%, transport position, 40° full turn	kg (lb)	2500 (5500)

# SPECIFICATIONS - L35B PRO



Data according to bucket type		Gen. Purpose without teeth	Light material	
L35B Pro with Z-bar linkage, Z-attachment carrier and 400/70 R20 tires				
Capacity heaped	m <sup>3</sup> (yd <sup>3</sup> )	1,05 (1.4)	1,4 (1.8)	1,6 (2.1)
Material density	kg/m <sup>3</sup> (lb/yd <sup>3</sup> )	2000 (3370)	1400 (2360)	1200 (2020)
Static tipping load, straight (ISO / DIS)	kg (lb)	4850 (10690)	4650 (10250)	4600 (10140)
Static tipping load, full turn 40° (ISO / DIS)	kg (lb)	4300 (9480)	4100 (9040)	4050 (8930)
Hydraulic lifting capacity, max.	kN (lbf)	61,0 (13710)	58,5 (13150)	57,5 (12930)
Breakout force	kN (lbf)	60,5 (13600)	46,5 (10450)	43,5 (9780)
A Total length	mm (ft in)	5285 (17'4")	5490 (18'0")	5555 (18'3")
L Lift height, max.	mm (ft in)	4290 (14'1")	4425 (14'6")	4495 (14'9")
V Bucket width	mm (ft in)	2000 (6'7")	2000 (6'7")	2100 (6'11")
a1 Clearance circle	mm (ft in)	8670 (28'6")	8800 (28'11")	8935 (29'4")
T Digging depth	mm (ft in)	105 (0'4")	105 (0'4")	105 (0'4")
H Dump height	mm (ft in)	2655 (8'9")	2500 (8'3")	2455 (8'1")
M Reach at max. height	mm (ft in)	750 (2'6")	880 (2'11")	925 (3'0")
N Reach, max.	mm (ft in)	1565 (5'2")	1695 (5'7")	1745 (5'9")
Operating weight	kg (lb)	6220 (13710)	6280 (13850)	6320 (13930)

L35B Pro with Z-bar linkage, Z-attachment carrier and 400/70 R20 tires	
B	4490 mm (14'9")
C	2150 mm (7'1")
D	595 mm (1'11")
F	2730 mm (9'0")
G	900 mm (2'11")
J	3130 mm (10'3")
K	3330 mm (10'11")
O	66°
P	45°
R	50°
S	135°
U	200 mm (0'8")
X	1532 mm (5'0")
Y	1932 mm (6'4")
Z	3040 mm (9'12")
a2	3960 mm (13'0")
a3	1980 mm (6'6")
a4	±40°

Data with loading fork		
Centre of gravity 500 mm		
Tipping load, full turn (ISO / DIS)	kg (lb)	3340 (7360)
Payload according to EN 474-3, 60/80%	kg (lb)	2000/2500 (4400/5500)
Payload 80%, transport position, 40° full turn	kg (lb)	2500 (5500)



## STANDARD EQUIPMENT

### Engine

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

### Electrical system

L30B Pro : Alternator 80 A  
L35B Pro : Alternator 80 A  
Main head lights (halogen)  
full/dipped/asymmetrical  
Working lights (2 front/ 2 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  
Analog LED-information for:  
Fuel level  
Engine temperature  
Drive system oil temperature  
LED-illuminated symbols (color-coded) for:  
Direction (forward/reverse)  
Indicators (left/right)  
Pre-heater  
Main beam  
Differential locks  
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  
Boom suspension system  
Locking and activation of Volvo-attachment carrier  
Activation of directional change on joystick  
Digital LED display activated by dual function keys for:  
Entry and retrieval of operating information  
Anti-theft function control

### Drivetrain

Hydrostatic drive  
Operator-selected 100% differential locks  
Tires:  
L30B Pro 12.5-20  
L35B Pro 14.5-20

### 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

### Hydraulic system

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

### Working Equipment

Bucket level indicator  
Hydraulic quick-change attachment carrier

### Carriage Body

Fenders front/rear  
Lockable engine hood  
Vertical exhaust  
Towing device  
Lifting eyes

### Service and maintenance

Tool kit  
Wheel nut wrench

### 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 regulation: 2000/14/EC  
German environmental seal "low noise" RAL - UZ 53 (L30B Pro, 20 km/h version)

## OPTIONAL EQUIPMENT (Standard on certain markets)

### Engine equipment

Pre-heater  
Pre cleaner air filter (Turbo II)  
Block Heater  
Oilbath air filter  
Exhaust particle filter

### Cab

Handthrottle  
Hand control inch valve  
Airconditioner  
Radio

3" Seat Belt  
Working light (1 rear, left)  
Air suspension operator's seat  
Heated Operator Seat

### Hydraulic system

High Flow Hydraulics (25 gpm)  
Tilt Speed Limiter  
Ride Control (Boom Suspension Seat)  
Return to Dig

### Environment

Initial filling of biodegradable hydraulic oil  
Low noise kit (L30B Pro, 30 km/h version)

### Safety

Anti-theft system  
Protective guards for:  
Main head lights  
Working lights  
Rear lights  
Front Window Guards  
Rear Window Guards  
Belly Guards  
Rear Hood Guards  
Cylinder Guards  
Rotating beacon  
Audible reverse alarm



Volvo Construction Equipment is different. It's designed, built and supported in a different way. That difference comes from an engineering heritage of over 170 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



*All products are not available in all markets. Under our policy of continuous 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.*

# **VOLVO**

**Volvo Construction Equipment  
North America, Inc.**

One Volvo Drive, Asheville, NC 28803-3447

[www.volvoce.com](http://www.volvoce.com)

Ref No. 22 3 000 9862  
Printed in the USA 12/06 - X  
Volvo, Asheville

English  
CWL