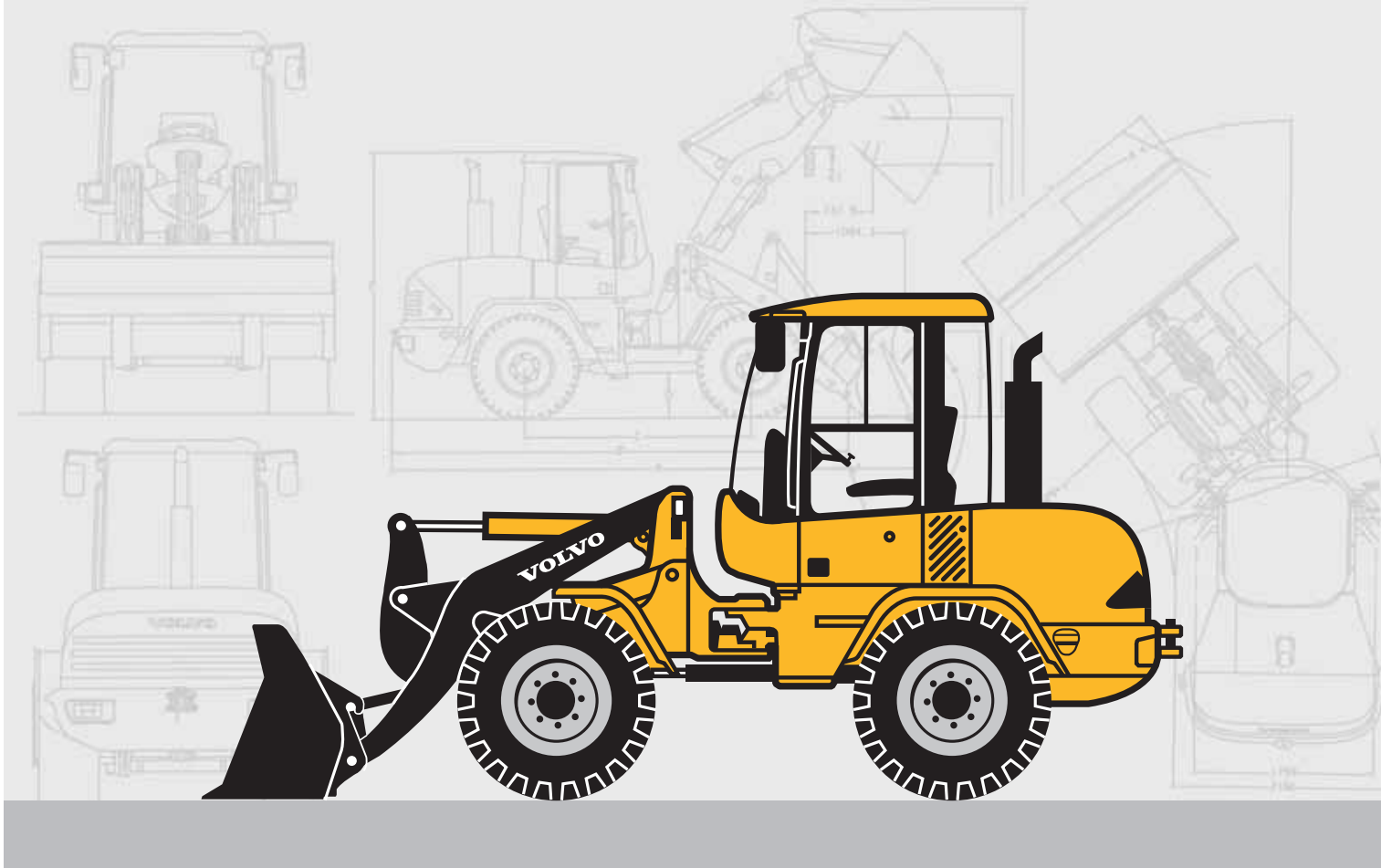


# VOLVO COMPACT WHEEL LOADERS

## L30B PRO, L35B PRO



• **Gross Power:**

L30B Pro: SAE J1995 52/70.7 kW/hp  
L35B Pro: SAE J1995 59.3/80.6 kW/hp

• **Net Power:**

L30B Pro: SAE J1949 - DIN ISO 1585  
50.1/68.1 kW/hp  
L30B Pro: SAE J1949 - DIN ISO 1585  
56.6/77 kW/hp

• **Operating Weight:**

L30B Pro: 5,50 t  
L35B Pro: 6,25 t

• **Bucket Capacities:**

L30B Pro: 1,0 - 1,5 m<sup>3</sup>  
L35B Pro: 1,2 - 1,6 m<sup>3</sup>

• **High-performance, low environmental impact**

**Volvo diesel engine:** quiet, low emissions, economical fuel consumption. Compliant to EPA Tier III/EU Stage 3A environmental regulations.

• **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. TP loader-linkage available for the L35B Pro.**

- High breakout force and lifting capacity in bucket applications.

• 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.

**MORE CARE. BUILT IN.**



# SPECIFICATIONS

## Engine

Volvo in-line 4-cylinder, 4 stroke, direct injection diesel engine with turbocharging, oil/air cooled. Compliant to Tier III/ Stage 3A environmental regulations.

Air cleaning:

1. Paper filter with indicator in cab / 2. Safety filter

	L30B Pro	L35B Pro
<b>Engine</b>	D3.6D	D3.6D
<b>Gross power @</b>	2300 r/min	2600 r/min
<b>SAE J1995</b>	52 kW - 70.7 hp	59.3 kW - 80.6 hp
<b>Net power @</b>	2300 r/min	2600 r/min
<b>SAE J1349 - DIN ISO 1585</b>	50.1 kW - 68.1 hp	56.6 kW - 77 hp
<b>Max torque @</b>	1600 r/min	1600 r/min
<b>SAE J1995 netto</b>	240 Nm	240 Nm
<b>DIN ISO 1585</b>	240 Nm	240 Nm
<b>Cubic capacity</b>	3620 cm <sup>3</sup>	3620 cm <sup>3</sup>

## 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	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% 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	270 mm
<b>Track</b>	1482 mm	1532 mm
<b>Angle of oscillation</b>	±10°	±10°
<b>Tire /Rim size</b>	365/80R2 /11x20	405/70R2 /13x20

<b>Maximum speed</b>	(Standard)	(High Speed)
<b>1st range forward/reverse</b>	6 km/h	8 km/h
<b>2nd range forward/reverse</b>	20 km/h	30 km/h

## 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</b>	25 l/min - 2300 r/min	29 l/min - 2600 r/min
<b>Relief valve pressure</b>	18.5 MPa	18.5 MPa

## 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</b>	55 l/min - 2300 r/min	73 l/min - 2600 r/min
<b>Relief valve pressure</b>	25 MPa	25 MPa

## Linkage

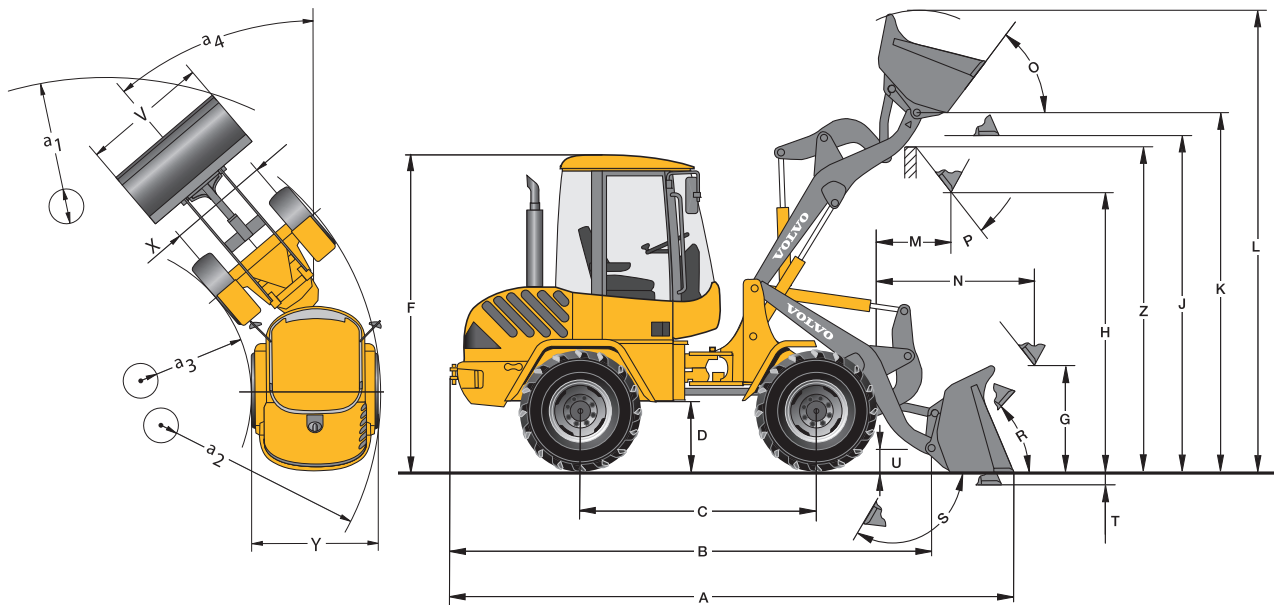
Powerful Z-bar loader-linkage. L35BPro is also available with TP linkage.




	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>	11.8 l	11.8 l
<b>Fuel tank</b>	86.0 l	86.0 l
<b>Front axle</b>	12.2 l	12.2 l
<b>Rear axle, incl. drop-box</b>	13.5 l	13.5 l
<b>Hydraulic tank, incl. hydraulic system</b>	65.0 l	65.0 l

# SPECIFICATIONS - L30B PRO

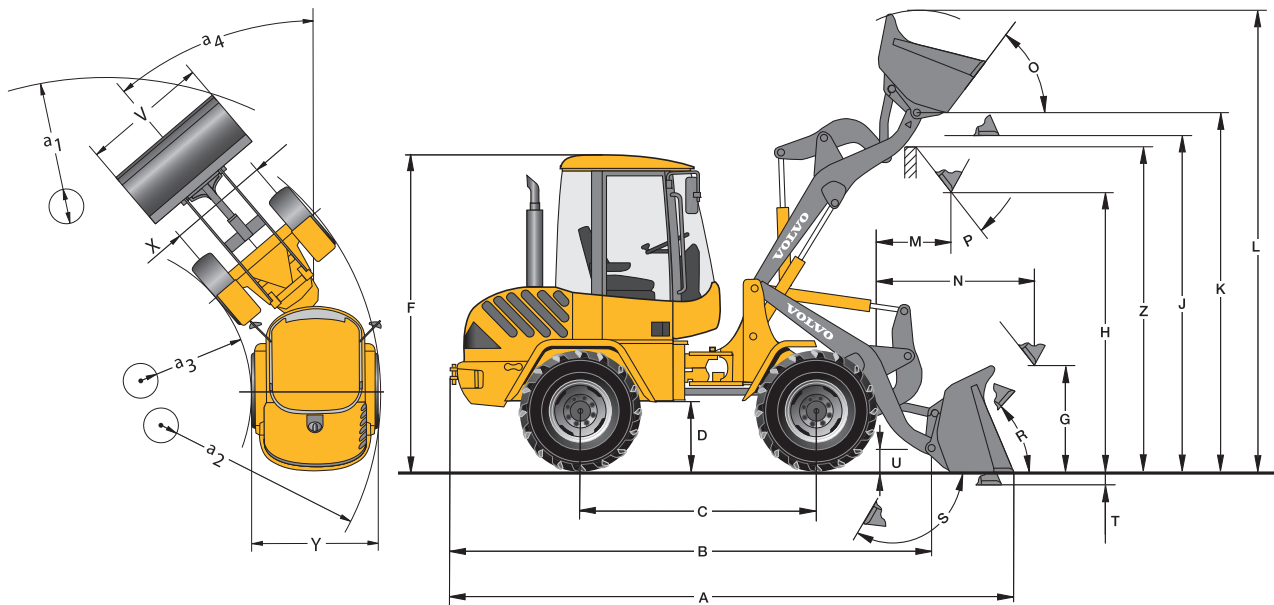





Data according to bucket type		General Purpose		4 in 1
L30B Pro with Z-bar linkage, Z-attachment carrier and 365/80 R20 tires				
Capacity heaped	m <sup>3</sup>	1.0	1.1	0.9
Material density	kg/m <sup>3</sup>	1900	1700	1900
Static tipping load, straight (ISO / DIS)	kg	4350	4250	4000
Static tipping load, full turn 40° (ISO / DIS)	kg	3850	3800	3550
Hydraulic lifting capacity, max.	kN	57.0	55.5	53.0
Breakout force	kN	61.0	53.0	53.0
A Total length	mm	5140	5240	5240
L Lift height, max.	mm	4220	4260	4130
V Bucket width	mm	1900	1900	1900
a <sub>1</sub> Clearance circle	mm	8490	8550	8560
T Digging depth	mm	50	50	55
H Dump height	mm	2580	2505	2480
M Reach at max. height	mm	680	745	710
N Reach, max.	mm	1455	1525	1490
Operating weight	kg	5500	5520	5710

L30B Pro with Z-bar linkage, Z-attachment carrier and 365/80 R20 tires		
B	4340	mm
C	2150	mm
D	600	mm
F	2740	mm
G	900	mm
J	3060	mm
K	3260	mm
O	70	°
P	45	°
R	50	°
S	140	°
U	200	mm
X	1482	mm
Y	1835	mm
Z	2960	mm
a <sub>2</sub>	3900	mm
a <sub>3</sub>	2030	mm
a <sub>4</sub>	±40	°



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

# SPECIFICATIONS - L35B PRO

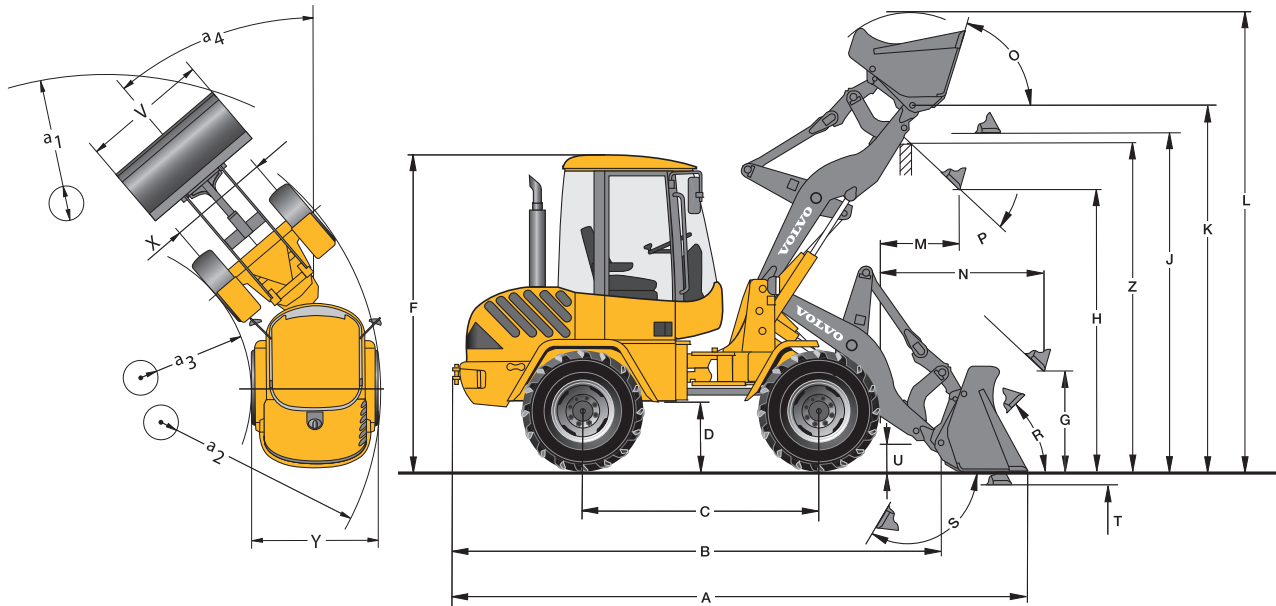





Data according to bucket type		General Purpose		4 in 1
L35B Pro with Z-bar linkage, Z-attachment carrier and 405/70 R20 tires				
Capacity heaped	m <sup>3</sup>	1.2	1.2	1.0
Material density	kg/m <sup>3</sup>	1800	1700	1900
Static tipping load, straight (ISO / DIS)	kg	4950	4750	4450
Static tipping load, full turn 40° (ISO / DIS)	kg	4350	4200	3950
Hydraulic lifting capacity, max.	kN	61.5	59.5	58.5
Breakout force	kN	60.5	52.5	52.5
A Total length	mm	5280	5380	5380
L Lift height, max.	mm	4320	4340	4260
V Bucket width	mm	2100	2000	2000
a1 Clearance circle	mm	8760	8730	8740
T Digging depth	mm	95	95	100
H Dump height	mm	2670	2590	2570
M Reach at max. height	mm	750	810	780
N Reach, max.	mm	1570	1630	1600
Operating weight	kg	6250	6260	6440

L35B Pro with Z-bar linkage, Z-attachment carrier and 405/70 R20 tires		
B	4485	mm
C	2150	mm
D	610	mm
F	2745	mm
G	900	mm
J	3145	mm
K	3345	mm
O	66	°
P	45	°
R	50	°
S	135	°
U	200	mm
X	1532	mm
Y	1932	mm
Z	3050	mm
a <sub>2</sub>	3960	mm
a <sub>3</sub>	1980	mm
a <sub>4</sub>	±40	°


Data with loading fork		FEM II	FEM III
Centre of gravity 500 mm			
Tipping load, full turn (ISO / DIS)	kg	3340	3300
Payload according to EN 474-3, 60/80%	kg	2000/2500	2000/2600
Payload 80%, transport position, 40 ° full turn	kg	2500	2800

# SPECIFICATIONS - L35B PRO TPZ

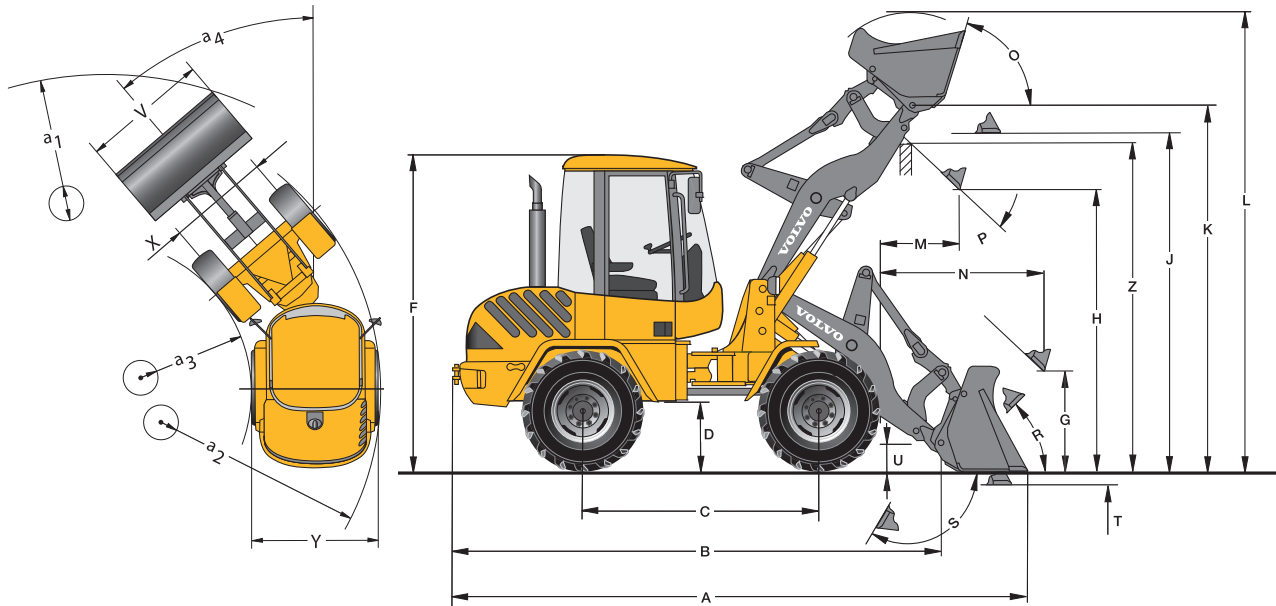





Data according to bucket type		General Purpose		4 in 1
L35B Pro with TP-linkage, Z-attachment carrier and 405/70 R20 tires				
Capacity heaped	m <sup>3</sup>	1.0	1.2	0.9
Material density	kg/m <sup>3</sup>	1800	1500	1900
Static tipping load, straight (ISO / DIS)	kg	4200	4150	3900
Static tipping load, full turn 40° (ISO / DIS)	kg	3700	3650	3450
Hydraulic lifting capacity, max.	kN	57.0	55.5	54.0
Breakout force	kN	62.5	54.5	59.0
A Total length	mm	5280	5380	5320
L Lift height, max.	mm	4290	4330	4200
V Bucket width	mm	2000	2000	2000
a <sub>1</sub> Clearance circle	mm	8670	8730	8700
T Digging depth	mm	90	90	90
H Dump height	mm	2610	2535	2560
M Reach at max. height	mm	725	785	715
N Reach, max.	mm	1545	1605	1535
Operating weight	kg	6100	6120	6285

L35B Pro with TP-linkage, Z-attachment carrier and 405/70 R20 tires		
B	4455	mm
C	2150	mm
D	580	mm
F	2715	mm
G	900	mm
J	3100	mm
K	3350	mm
O	63	°
P	45	°
R	50	°
S	58	°
U	250	mm
X	1532	mm
Y	1932	mm
Z	3020	mm
a <sub>2</sub>	3960	mm
a <sub>3</sub>	1980	mm
a <sub>4</sub>	±40	°


Data with loading fork		
Centre of gravity 500 mm		
Tipping load, full turn (ISO / DIS)	kg	2930
Payload according to EN 474-3, 60/80%	kg	1750/2300
Payload 80%, transport position, 40 ° full turn	kg	2500

# SPECIFICATIONS - L35B PRO TPV



Data according to bucket type		General Purpose		4 in 1
L35B Pro with TP-linkage, V-attachment carrier and 405/70 R20 tires				
Capacity heaped	m <sup>3</sup>	1.0	1.2	0.9
Material density	kg/m <sup>3</sup>	1800	1400	1800
Static tipping load, straight (ISO / DIS)	kg	4500	3900	3750
Static tipping load, full turn 40° (ISO / DIS)	kg	3600	3450	3300
Hydraulic lifting capacity, max.	kN	52.0	50.5	49.0
Breakout force	kN	54.5	48.5	51.5
A Total length	mm	5380	5480	5415
L Lift height, max.	mm	4250	4390	4260
V Bucket width	mm	2000	2000	2000
a <sub>1</sub> Clearance circle	mm	8730	8800	8760
T Digging depth	mm	85	85	85
H Dump height	mm	2550	2470	2490
M Reach at max. height	mm	800	855	785
N Reach, max.	mm	1620	1675	1600
Operating weight	kg	6200	6240	6390

L35B Pro with TP-linkage, V-attachment carrier and 405/70 R20 tires		
B	4455	mm
C	2150	mm
D	580	mm
F	2715	mm
G	850	mm
J	3100	mm
K	3350	mm
O	63	°
P	45	°
R	50	°
S	58	°
U	250	mm
X	1532	mm
Y	1932	mm
Z	3100	mm
a <sub>2</sub>	3960	mm
a <sub>3</sub>	1980	mm
a <sub>4</sub>	±40	°

Data with loading fork		
Centre of gravity 500 mm		
Tipping load, full turn (ISO / DIS)	kg	2750
Payload according to EN 474-3, 60/80%	kg	1650/2200
Payload 80%, transport position, 40 ° full turn	kg	2500

## 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/1 rear, right).  
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 (colour-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 (TPV)  
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 365/80 R20  
L35B Pro 405/70 R20.

### 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.

### 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 (20 km/h version).

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## OPTIONAL EQUIPMENT (Standard on certain markets)

### Engine equipment

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

### Service and maintenance

Tool kit.  
Wheel nut wrench.

### Cab

Handthrottle.  
Hand control inch valve.  
Airconditioner.  
Radio.  
Working light (1 rear, left).  
Air suspension operator's seat.

### Hydraulic system

Hydraulic coupler for 3rd hydraulic circuit.  
4th hydraulic circuit.  
Additional pump.

### Environment

Initial filling of biodegradable hydraulic oil.  
Low noise kit.

### Safety

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



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