

V O L V O



Volvo Electric Wheel Loaders 10.0 t

L90 ELECTRIC

Volvo Construction Equipment

L90 ELECTRIC

With a rated load of 4.5 tonnes, the 15-tonne L90 Electric was the first electric wheel loader in its class, providing zero tailpipe emissions with all the quality, power and performance you expect from a Volvo Wheel Loader.



Versatile, quiet, zero tailpipe emissions

Reduce running costs, achieve your sustainability targets and open up new business opportunities with the L90 Electric Volvo Wheel Loader – a cleaner and quieter solution with all the power and versatility needed to deliver optimum results across a wide range of applications. As a zero-tailpipe emissions solution, it is perfectly suited for indoor operation and city centers, with a range of attachments and option packs making it the ideal choice for segments such as rehandling handling, forestry, agriculture and landscaping, quarries and mining, and waste and recycling.



A cleaner, smarter choice

- Potential for significant reduction in energy costs
- Operate in low carbon zones and noise-restricted environments
- Dramatic reduction in noise
- Reduced environmental impact



Premium operator experience

- Spacious Volvo cab, ergonomic workspace, choice of seat
- Contronic display
- Electro-hydraulic lever controls
- Auto bucket levelling function
- Optional Comfort Drive Control and Rimpull Control
- Load Assist



Visibility and safety

- Large expanses of glass, redesigned side mirrors
- Rear-view camera and optional front camera
- Orange handrails and steps
- LED lights, available in various packages
- Volvo Smart View



30% less maintenance requirements

- Fully electric driveline
- No engine-related consumables
- Maintenance-free electric motors
- 4 000-hour axle oil change interval
- Ground-level service access, swing out radiators, button controlled electronic battery compartment hood



Runtime and charging

- 4-6 hours of operation in medium duty applications (full working day in certain applications)
- Range of AC and DC charging options
- Energy recovery function
- Monitor battery and charging status with My Equipment app

A range of attachments

- Whatever the job, Volvo offers a full range of Volvo buckets to handle everything
- From light material to heavy rocks including general purpose, grading, refuse, light material, and more
- Built on decades of engineering excellence, Volvo buckets are optimized for Volvo wheel loaders and durably designed for all types of materials and tasks
- Change tools in a matter of seconds with the Volvo attachment bracket

A quieter, more comfortable and productive cab

- Operators tell us that the L90 Electric it is an extremely smooth and enjoyable machine to operate, and that they prefer it to diesel alternatives
- The more comfortable work environment is achieved thanks to less noise, lower vibrations and outstanding responsiveness due to the wheel loader's electric operation
- A quieter jobsite also facilitates improved communication for those inside and outside the machine, for a safer and more productive working day
- Rediscover the definition of smooth operation with decoupled propulsion and hydraulics, fine-tuned to perfection

A range of charging options

- An integrated onboard AC charger powers up the machine overnight in 7 hours
- A range of off-board chargers provide faster charging
- The machine is designed to support fast charging and can recharge up-to 120 kW DC from 20%-80% in 55-minutes
- Compatible with a DC moveable charger and PU500 Mobile Power Unit
- A CCS2 charging interface/Type 2 automotive standard inlet enables easy access to common chargers



Powerful and efficient electric performance

- Instant torque from the electric drivetrain
- Smooth, powerful performance and fast response, helping to reduce cycle times and boost productivity when handling heavy loads and complex tasks
- Dedicated electric motors for propulsion and hydraulics ensure full power is always available where it is needed
- Volvo-designed transmission maximizes energy efficiency
- Thermal management system maintains optimal operating temperatures, supporting long service life and consistent performance



Volvo L90 Electric in detail

Electric / Electronic control system		
600 V system. Electric with 2 pcs 90 kWh battery pack. Total 180 kWh		
618 V system. 180 kWh battery pack.		
Electric motor		PMSM*
Nominal power	kW	140
	hp	190
Battery type		Lithium Ion (NCA)
Battery voltage	V	600
Battery capacity	kWh	180
Usable battery energy	kWh	153
AC Charging capacity	kW	22
DC Charging capacity	kW	120**
*Permanent Magnet Synchronous Motor **Compatible with 150 kW chargers, the charging speed can vary depending on State of Charge level		
Electrical System		
24 volt system Contronic electrical system with central warning light and buzzer for following functions: - Brake system - Steering system - Hydraulic system - Electrical 600 volt system (electrical motors, batteries, etc.) - Electrical 24 volt system - Driveline (transmission) system		
Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	2 x 110
Drivetrain		
Transmission: Volvo countershaft transmission with single lever control. Fast and smooth shifting of gears with Pulse Width Modulation (PWM) valve. Transmission: Volvo Automatic Power Shift (APS) gear shifting system with fully automatic shifting 1-3 and mode selector with 2 different gear shifting programs, including AUTO mode. Also equipped with Rimpull control to avoid wheel spin and optimize bucket filling. Axles: Volvo fully floating axle shafts with planetary hub reductions and cast steel axle housing. Fixed front axle and oscillating rear axle. 100% differential lock on the front axle.		
Transmission		ET143 (Electrical transmission 140 kW 3 speed)
Maximum speed, forward/reverse		Maximum speed
1st gear	km/h	10.1
2nd gear	km/h	19.1
3rd gear	km/h	51.7 (48)
Front axle/rear axle		AWB 25/AWB 20
Rear axle oscillation	±°	13
Ground clearance at oscillation	mm	470
	°	13

Steering System		
System supply: The steering system has priority feed from a load-sensing axial piston pump with variable displacement. Steering cylinders: Two double-acting cylinders.		
Steering cylinders		2
Cylinder bore	mm	80
Rod diameter	mm	50
Stroke	mm	345
Working pressure	MPa	21
Maximum flow	l/min	60
Maximum articulation	±°	40
Cab		
Instrumentation: All important information is centrally located in the operator's field of vision. Display for Contronic monitoring system. Heater and defroster: Heater coil with filtered fresh air and fan with auto and 11 manual speed settings. Defroster vents for all window areas. Operator's seat: Operator's seat with adjustable air suspension and retractable seatbelt. The seat is mounted on a bracket on the rear cab wall and floor. The forces from the retractable seatbelt are absorbed by the seat rails. Standards: The cab is tested and approved according to ROPS (ISO 3471), FOPS (ISO 3449). The cab meets with requirements according to ISO 6055 (Operator overhead protection - Industrial trucks) and SAE J386 (Operator Restraint System).		
Emergency exit: Use emergency hammer to break window		
Ventilation	m³/min	9
Heating capacity (cab / battery)	kW	6.0 / 6.0
Air conditioning	kW	11
Sound Level		
Sound level in cab according to ISO 6396 - LpA	dB	62
External sound level (ISO 6395 and EU Noise Directive 2000/14/EC) - LWA	dB	103
Service Refill		
Service accessibility: Large, electrically operated easy-to-open hood covering whole engine compartment. Fluid filters and component breather air filters are located from ground level access and promote long service intervals. Machine contronics have possibility to monitor, log and analyze data to facilitate troubleshooting. A quick-fit adapter on the hydraulic tank provides faster hydraulic oil fill.		
Coolant Cab & Electrical system	lit	40
Hydraulic oil tank	lit	90
Transmission oil	lit	20
Axle oil front	lit	35
Axle oil rear	lit	27

Hydraulic System

Closed center load sensing hydraulic system with non pressurised hydraulic tank and pilot operated control valves.

System supply: Variable displacement axial piston pump supply the hydraulic system.

Valves: The central valve distributes pressure and flow out to the steering, brake, pilot and hydraulic system. Steering system gets priority over others.

Lift function: The valve has four positions; raise, hold, lower and float position. Automatic boom kickout position can be set to any position between maximum reach and full lifting height.

Tilt function: The valve has three functions; rollback, hold and dump. Automatic tilt out/tilt in can be adjusted to the desired bucket angle.

Cylinders: Double-acting cylinders for all functions.

Filter: Full flow filtration through 10 micron (absolute) filter cartridge.

Working pressure maximum, pump 2 for steering-, brake-, pilot- and working hydraulic system	MPa	31
Flow	l/min	171
at	MPa	10
pump speed	rpm	1 700
Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	21
Flow	l/min	50
at	MPa	10
pump speed	rpm	1 800
Pilot system, working pressure	MPa	3.5
Cycle times		-
Lift	s	6.3
Tilt	s	3.3
Lower, empty	s	3.1
Total cycle time	s	12.7

Lift Arm System

Torque parallel linkage (TP-linkage) with high breakout torque and parallel lift-arm action.

Lift cylinders		2
Lift cylinder bore	mm	120
Lift cylinder piston rod diameter	mm	70
Lift cylinder stroke	mm	744
Tilt cylinder		1
Tilt cylinder bore	mm	180
Tilt cylinder piston rod diameter	mm	90
Tilt cylinder stroke	mm	430

Brake System

Service brake: Volvo dual-circuit system with outboard mounted, hydraulically operated, fully sealed and circulating oil cooled wet disc brakes. Four (4) operator selectable transmission disengagement settings while braking.

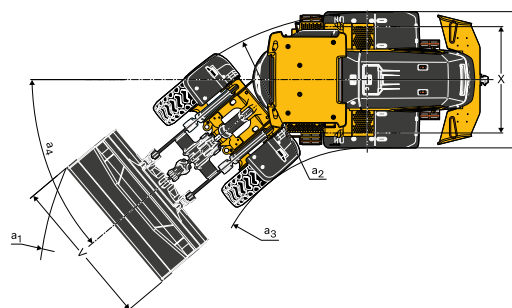
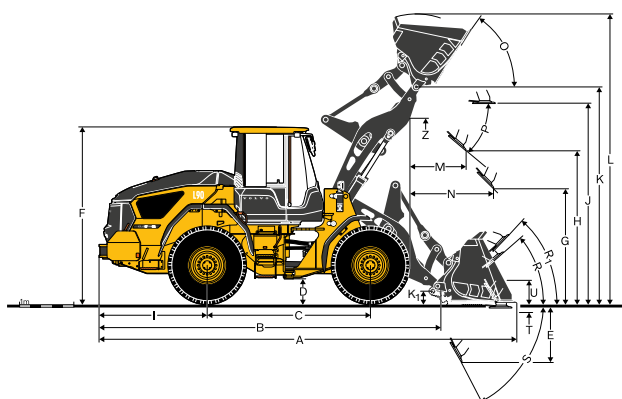
Parking brake: Dry disc brake mounted on the transmission output shaft. Applied by spring force, electro-hydraulically released with a switch on the instrument panel.

Secondary brake: Dual brake circuits with rechargeable accumulators.

Standard: The brake system complies with the requirements of ISO 3450, 71/320/EEC

Number of brake discs per wheel		1
Accumulators	lit	2 x 0.5+1 x 1.0
Accumulators for parking brake	lit	1 x 1.0

Specifications



DIMENSIONS

Tires 20.5 R25 L3		L90 Electric	
		Standard boom	Long Boom
B	mm	6 290	6 720
C	mm	3 050	3 050
D	mm	450	440
F	mm	3 280	3 280
G	mm	2 132	2 132
J	mm	3 730	4 150
K	mm	4 040	4 460
O	°	57	57
P _{max}	°	45	45
R	°	44	47
R _i *	°	47	51
S	°	67	66
T	mm	112	108
U	mm	410	500
X	mm	1 960	1 960
Y	mm	2 490	2 490
Z	mm	3 460	3 460
a ₂	mm	5 430	5 430
a ₃	mm	2 950	2 950
a ₄	±°	40	40

* Carry position SAE

Standard boom spec acc to 2.6 m³ STE H BOE

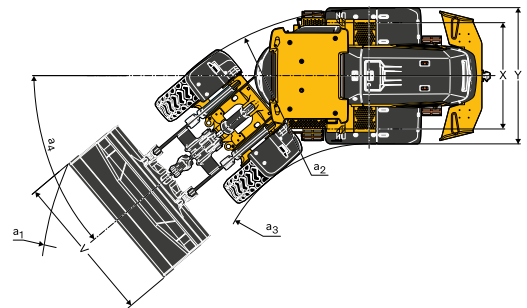
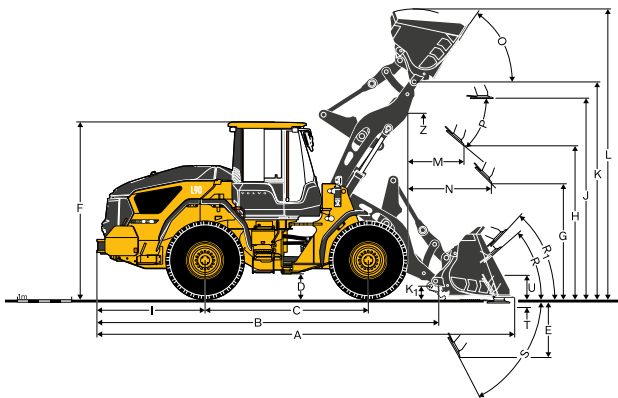
Long boom spec acc to 2.3 m³ STE H BOE

Where applicable, specifications and dimensions are according to ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 14397, SAE J818

DIMENSIONS

Tires: 20.5 R25 L3		L90 Electric	
		Standard boom	Long boom
Fork frame sales code		83 770	
Fork tines sales code (R/L)		80106/80107	
Static tipping load, straight	kg	8 740	7 640
35° Turn	kg	7 830	6 820
at full turn	kg	7 560	6 570
at load center distance*	mm	600	600
A	mm	930	1 360
B	mm	1 670	1 990
C	mm	-7	-1
D	mm	1 800	1 800
E	mm	3 840	4 270
F	mm	640	570
Operating weight without load	kg	15 200	15 470

* Firm and level ground



DIMENSIONS

Tires: 20.5 R25 L3		L90 Electric	
		Standard boom	Long boom
Material handling arm sales code		92008	
A*	kg	2 760	2 760
B*	kg	2 130	2 130
C*	kg	1 740	1 740
Static tipping load, straight	kg	4 210	3 890
35° Turn	kg	3 780	3 480
at full turn	kg	3 660	3 360
D	mm	2 480	2 380
E	mm	1 890	1 800
F	mm	1 300	1 210
G	mm	3 250	3 570
H	mm	4 380	4 700
I	mm	5 520	5 840
J	mm	1 340	1 810
K	mm	1 890	2 390
L	mm	2 430	2 960
M	mm	2 040	2 020
N	mm	3 030	2 990
O	mm	4 020	3 970
P	mm	1 530	1 530
Q	mm	5 420	5 850
R	mm	6 380	6 820
S	mm	7 350	7 790
Operating weight without load	kg	15 100	15 380
* Rated load at full turn + tipping position			
Tipping loads calculated for max. arm length			

Specifications

L90 Electric											
Tires 20.5 R25 L3		GENERAL PURPOSE						GRADING	LIGHT MATERIAL		LONG BOOM ⁽³⁾
											
		WLA86299	WLA86301	WLA86304	WLA86314	WLA86318	WLA86320	WLA85404	WLA92687	WLA92683	
		2.3 m ³ STE H T	2.5 m ³ STE H BOE	2.8 m ³ STE H BOE	2.5 m ³ STE P BOE	2.6 m ³ STE P BOE	2.8 m ³ STE P BOE	2.8 m ³ GRB H BOE	4.1 m ³ LM H BOE	7.0 m ³ LM H BOE	
Volume, heaped ISO/SAE	m ³	2.2	2.5	2.8	2.5	2.6	2.8	2.8	4.1	7.0	-
Volume at 110% fill factor	m ³	2.4	2.8	3.1	2.8	2.9	3.1	3.1	4.5	7.7	-
Static tipping load, straight	kg	11 570	11 220	11 110	11 840	11 800	11 710	9 070	10 600	10 320	-1 880
at 35° turn	kg	10 330	10 000	9 890	10 570	10 540	10 450	8 060	9 410	9 100	-1 720
at full turn	kg	9 960	9 640	9 530	10 200	10 170	10 080	7 760	9 050	8 740	-1 680
Breakout force	kN	146.6	133.1	126.6	145.5	142.9	137.8	92.2	100.7	87.1	1.7
A Overall length	mm	7 820	7 740	7 820	7 630	7 660	7 710	8 300	8 170	8 470	410
E Digging depth, max dump (S)	mm	1 290	1 220	1 280	1 110	1 140	1 180	1 770	1 600	1 860	0
H ⁽¹⁾ Dump clearance	mm	2 830	2 880	2 830	2 960	2 930	2 900	2 400	2 600	2 400	410
L Overall operating height	mm	5 300	5 360	5 450	5 300	5 320	5 380	4 890	5 630	5 830	420
M ⁽¹⁾ Dump reach	mm	1 070	1 020	1 070	940	940	990	1 210	1 350	1 550	-80
N ⁽¹⁾ Reach at 45° discharge, pos. G	mm	1 700	1 680	1 690	1 640	1 640	1 660	1 520	1 710	1 700	360
V Bucket width	mm	2 750	2 750	2 750	2 750	2 750	2 750	2 880	2 750	3 000	0
a ₁ Outer clearance circle (diameter)	mm	12 290	12 240	12 290	12 200	12 210	12 240	12 980	12 500	12 920	340
Operating weight without load	kg	15 650	15 800	15 860	15 560	15 580	15 630	15 970	16 120	16 550	280

⁽¹⁾ Measured to the tip of the bucket teeth or bolt-on edge. Dump height to bucket edge measured at 45° dump angle.

Note: This only applies to genuine Volvo attachments.

Bucket Selection Chart

The chosen bucket is determined by the density of the material and the expected bucket fill factor. The actual bucket volume is often larger than the rated capacity, due to the features of the TP linkage, including an open bucket design, good rollback angles in all positions and good bucket filling performance. The example represents a standard boom configuration.
Example: Sand and gravel. Fill factor ~ 105%. Density 1.65 t/m³. Result: The 1.9 m³ bucket carries 2.0 m³. For optimal stability always consult the bucket selection chart.

Material	Bucket fill, %	Material density, t/m ³	ISO/SAE bucket volume, m ³	Actual volume, m ³
Earth/Clay	~ 110	~ 1.55	2.1	2.3
		~ 1.45	2.3	2.5
		~ 1.40	2.4	2.6
Sand/Gravel	~ 105	~ 1.60	2.1	2.2
		~ 1.50	2.3	2.4
		~ 1.45	2.4	2.5
Aggregate	~ 100	~ 1.80	2.1	2.1
		~ 1.70	2.3	2.3
		~ 1.60	2.4	2.4
Rock	≤100	~ 1.70	1.6	1.6

Supplemental Operating Data		L90 Electric			
		Standard boom		Long boom	
		20.5 R25 L2 *	650/65 R25 L3	20.5 R25 L2 *	650/65 R25 L3
Width over tires	mm	2 490	2 660	2 490	2 660
Ground clearance	mm	430	460	430	450
Tipping load, full turn	kg	+ 90	+ 440	+ 80	+ 400
Operating weight	kg	+ 100	+ 710	+ 100	+ 720
Calculated with 2.3 m ³ STE H BOE					

* Snow tires

Equipment

STANDARD EQUIPMENT
Attachment
Att.bracket VAB-STD cast.
L90 Electric is compatible with the full attachment range of the L90H2
Wheels and tires
20.5 R25
Drivetrain
Automatic Power Shift
Fully automatic gear shifting, 1-3
PWM-controlled gear shifting
Forward and reverse switch by hydraulic lever console
Rimpull control
Hill Assist
Automatic Adaptive Kick-down after Rimpull control and before Reverse by Braking.
Reverse by Braking, RBB
Indicator glass for transmission oil level
Differentials: Front, 100% hydraulic diff lock. Rear, conventional
Electrical system
24 V, pre-wired for optional accessories
Battery disconnect switch
Maintenance-free batteries
Battery box, steel
Emergency Stop
State of charge visualization
Electric horn
Instrument cluster:
Transmission temperature
Coolant temperature
Anti-theft device
On-Board Weighing Hardware
On-Board Weighing Software
Rear View Camera
Reverse alarm
Reverse alarm, White noise
Satellite connectivity
Instrument lighting
Lighting:
Parking lights
Double brake and tail lights
Turn signals with flashing hazard light function

STANDARD EQUIPMENT
Contronic monitoring system
Contronic display
Energy consumption
Ambient temperature
Clock
Test function for warning and indicator lights
Brake test
Warning and indicator lights:
Battery charging 24 V
Parking brake
Warning and display message:
Coolant temperature
Transmission oil temperature
Transmission oil pressure
Hydraulic oil temperature
Brake pressure
Parking brake applied
Brake charging
Overspeed at direction change
Axle oil temperature
Steering pressure
Attachment lock open
Level warnings:
Battery state of charge level
Electrical component coolant level
Transmission oil level
Hydraulic oil level
Washer fluid level
Engine torque reduction in case of malfunction indication:
High battery temperature
High transmission oil temperature
Slip in transmission clutches
Key pad, background lit
Start interlock when gear is engaged
Electrical motors/ Power transmission
Reverse by Braking, RBB
Hand throttle control
Rimpull control
Frame
Boom Suspension System, BSS
Cover plates, rear frame
Footsteps front frame
Towing Hitch
General
CE marking

STANDARD EQUIPMENT
Hydraulic system
Hydraulic 4 functions, standard boom
Hydraulic 4 functions, long boom
Max boom height
Separate attachment locking, standard boom
Separate attachment locking, long boom
Main valve, double acting 2-spool with hydraulic pilots
Variable displacement axial piston pumps (2) for:
Working hydraulics, pilot hydraulics, steering system, brakes
Hydraulic control levers
Mechanical hydraulic lever lock
Automatic boom kick-out
Automatic bucket positioner
Double acting hydraulic cylinders
Indicator glass for hydraulic oil level
Hydraulic oil cooler
Lighting
Warning flasher, LED beacon
Brake system
Dual brake circuits
Dual brake pedals
Secondary brake system
Parking brake, electrical-hydraulic
Brake wear indicators
Outboard mounted circulating oil cooled wet disc brakes on all four wheels
Cab
ROPS (ISO 3471), FOPS (ISO 3449)
Single key kit door/start
Acoustic inner lining
Handsfree
Radio
Cigarette lighter, 24 V power outlet
Lockable door
Automatic Climate Control (ACC)
Cab heating with fresh air inlet and defroster
Fresh air inlet with two filters
Automatic heat control
Floor mat
Dual interior lights
Interior rearview mirrors
Dual exterior rearview mirrors
Sliding window, right side
Tinted safety glass
Retractable seatbelt (SAE J386)
Adjustable steering wheel
Storage compartment
Document pocket
Sun visor
Beverage holder
Windshield washer front and rear
Windshield wipers front and rear
Interval function for front and rear wipers
Foot step, left side (toolbox lockable included)

STANDARD EQUIPMENT
Service and maintenance
Transmission oil remote drain and fill
Easy access for hydraulic oil cooler and AC-condenser
Lubrication manifolds, ground accessible
Lube system for attachment bracket
Lube system, standard boom
Lube system, long boom
Pressure test ports: transmission and hydraulic, quick connects
Service platforms with anti-slip surfaces
Quick-fit hydraulic oil fill
CareTrack
Telematics, 6 -year subscription
Toolbox, lockable
Tool kit
Wheel nut wrench kit
Reversible cooling fan
Steering
Comfort Drive Control, CDC
Steering, secondary
External equipment
Full fenders frontand rear
Viscous cab mounts
Rubber, battery and transmission mounts
Engine hood, electronically openable
Frame, joint lock
Vandalism lock for engine compartment
Lifting eyes
Tie down eyes
Footstep, right-hand side
Counterweight

Equipment

OPTIONAL EQUIPMENT
Cab/Operator envioment
Additional windshield washer nozzles
ISRI Premium seat with 2 point seat belt
ISRI Premium seat with 3 point seat belt
ISRI Comfort seat with 2 point seat belt
ISRI Comfort seat with 3 point seat belt
Rear view mirror
Rear view mirrors, electically adjusted and heated
Rearview mirrors, long arm RH
Rearview mirrors, electrically adjusted and heated long arm RH
Forward view mirror
Cab air pre-cleaner, cyclone type
Remote door opener
Universal door/ignition key
Universal key for remote door open
Seat belt indicator, external
Steering wheel knob
Subwoofer
Lunch box holder
Safety windshield, flat
Sun blinds, rear windows
Sun blinds, side windows
Window, sliding, door
Anchorage, operator manual
Ashtray
Electrics
Collision Mitigation System (CMS)
Radar detect system
Smart View 360 camera
Smart View 360 camera, elevated
Tire Pressure Monitoring System
Electrical motors / Power transmision
CAN-BUS interface, Advanced
Speed limiter, max 20 km/h
Speed limiter, max 30 km/h
Speed limiter, max 40 km/h
Forward camera

OPTIONAL EQUIPMENT
General
Insp.-Registration (SE market)
Kit, Germany
Sign, slow moving vehicle
Sign, 50 km/h
Hydraulics
Volvo hydraulic fluid, biodegradable
Hydr fluid, for hot climate
Hydr fluid, fire resistant
Hydr Fluid MNRL Cold Climate
Loading equipment
Long Boom
Lighting
Headlights, assym. Left LED
Headlights, assym. Right LED
LED Power Package
LED Intense Package, 4 000 lumen
License plate holder, lighting
License plate holder, lighting, left side
Reverse warning light, strobe lightning
Side marker lamps
Working lights, Attachment LED
Working lights, reverse gear activated
Miscellaneous
Bucket teeth protection
Fire extinguisher
Bracket for fire extinguisher
Fire extinguisher, two pieces
Bracket for fire extinguisher, two pieces
Fire Suppression System
Mudflap kit front/rear for plastic/steel fr mudguards for 65-series tires
Mudflap kit front/rear for plastic/steel front mudguards for 80-series tires
Mudguards, full cover, front/rear, plastic/sheet metal for 65-series tires
Mudguards, full cover, rear for 80-series tires
Deleted front mudguards
Mudguards, basic, short, front & rear 65-profile tire

OPTIONAL EQUIPMENT
Tires and Rims
20.5R25* VSW, Bridgestone
650/65R25 VTS, Bridgestone
650/65R25 XLD, Michelin
20.5R25* XHA2 L3, Michelin
600/65R25* VSW L2, Bridgestone
20.5X25 Solid tire SMOOTH, Trelleborg
20.5X25 Solid tire TRAC, Trelleborg
20.5R25*** XMINE D2 PRO L5, Michelin
20.5R25** EMR1030 L3, Trelleborg
20,5R25 GP3E*L3, GoodYear
20.5R25** AL36 L3, Aeolus
20.5R25* XLDD2 L5, Michelin
20.5R25* RL 5K L5, GoodYear
20.5R25*/** GP-4D L4/E4, GoodYear
20.5R25* VJT L3, Bridgestone
20.5R25* VSDL, Bridgestone
20.5R25* L3A+, GoodYear
20.5R25* SNOPLUS, Michelin
Rims for 20.5, 600/65 tires
Rims for 650/65 tires
Service and Maintenance
Refill pump for grease to lube system
AC cable charger, 22 kW, Type2
Applications
Taillight guards, heavy-duty
Counterweight, re-handling
Counterweight logging
Front frame belly plate
Skid plate Belly plate - Rear frame
Headlight-Grating
Radiator grille guard
Guard windshield
Wheel/axle seal guards
Grease nipple guards
Emergency stop, exterior
100% Front differential, limited slip rear
Center hinge and rear frame guard
Cover plate, heavy duty, front frame
Cab roof, heavy duty
Boom cylinder hose and tube guards
Boom cylinder hose and tube guards Long Boom

Not all products are 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.

V O L V O