

Volvo Wheel Loader 14,5-17,3 t / 31.967-38.140 lb 182 hp(met) / 180 hp(imp)

L90H

L90H

Leave the heavy-duty work for the L90H, designed to do more, be more comfortable and help you increase your productivity.



Designed to do more

Hard work has never felt so easy. H-Series wheel loaders are built with an industry-leading, strong frame, which, combined with the ideally-matched genuine Volvo drivetrain, achieves long-lasting performance. And with the help of a range of smart apps you can boost the efficiency of your operation from the comfort of the cab.

Loaded with versatility



- Torque Parallel linkage
- Volvo attachment bracket
- Range of purpose-built attachments
- Rehandling bucket
- 3rd and 4th hydraulic functions

(G)(G)

Keep it moving

- Quick hydraulic oil fill thanks to new mounted nipple
- Improved cooling capacity
- Strong frame and central hinge
- Optional delayed engine shutdown
- Optional external axel cooling

A

Safety as standard

- Anti-slip steps and strategically placed handrails
- Orange three-point seatbelt
- Redesigned side mirrors
- Rear-view camera



Strong and stable

- Optimized loading unit weight, heavyduty counterweight for greater stability
- 5,6% higher tipping load
- Standard electro-servo controls
- Bucket leveling function
- Increased lifting height by 72mm (2,83in)



Increased productivity

- Optional lock-up converter
- Top speed of 50km/h (31mph) with lock-up feature
- Rimpull control
- Smart Control
- Smooth Control
- Eco pedal



Greater access

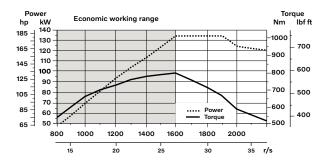
- Cooler installation slides out for easier cleaning
- Repositioned fill spouts for transmission and engine oil
- Ground-level access to service points
- Electronically-operated engine hood

Volvo L90H in detail

Engine

6-cylinder, 6 liters (1,6 gal) inline turbocharged diesel engine with an advanced fuel injection system with the common rail. Fuel is distributed under high pressure from a high-pressure accumulator, the rail. One belt driven high pressure pump deliver the fuel to the rail and then further on via high-pressure pipes to the electronically operated fuel injectors. Engine meets Tier 3 /Stage IIIA emission legislation.

Engine	Volvo	D6E
Max. power at	r/min (r/s)	1.600 - 1.900 (26,6 - 31,7)
ISO 14396 gross	kW (hp)	134 (180)
ISO 9249, SAE J1349 net	kW (hp)	134 (180)
Max. torque at	r/min (r/s)	1.600 (26,6)
ISO 14396 gross	Nm (ft lbf)	800 (590)
ISO 9249, SAE J1349 net	Nm (ft lbf)	800 (590)
Economic working range	r/min (r/s)	1.100 - 1.600 (18,3 - 26,7)
Displacement	l (in³)	5,7 (348)



Electrical system

Contronic electrical system with central warning light and buzzer for following functions: - Serious engine fault, Low steering system pressure, Over speed warning engine, Interruption in communication (computer fault), Central warning light and buzzer with the gear engaged for the following functions: Low engine oil pressure, High engine oil temperature, High charge air temperature, Low coolant level, High coolant temperature, High crank case pressure, Low transmission oil pressure, High transmission oil temperature, Low brake pressure, Engaged parking brake, Fault on brake charging, Low hydraulic oil level, High hydraulic oil temperature, Overspeeding in engaged gear, High brake cooling oil temperature front and rear axles, etc.

Batteries	V	2 x 12
Battery capacity	Ah	2 x 110
Cold cranking capacity, approx	Α	680
Alternator rating	W/A	3.135/80
Starter motor output	kW	5,5

Brake system

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

Parking brake: Dry disc brake mounted on the transmission output shaft.

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	l (gal)	2 x 0,5+1 x 1,0 (2 x 0,13 + 1 x 0,26)
Accumulators for parking brake	l (gal)	1 x 1,0 (1 x 0,26)

Lift Arm System

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

Lift cylinders		2
Cylinder bore	mm (in)	120 (4,7)
Piston rod diameter	mm (in)	70 (2,8)
Stroke	mm (in)	744 (28,9)
Tilt cylinder		1
Cylinder bore	mm (in)	180 (7,1)
Piston rod diameter	mm (in)	90 (3,5)
Stroke	mm (in)	430 (16,9)

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 (in)	80 (3,1)
Rod diameter	mm (in)	50 (2)
Stroke	mm (in)	345 (13,6)
Working pressure	MPa (bar)	21 (210)
Maximum flow	l/min (gal/min)	60 (15,9)
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

Carrad Larral		
Air conditioning (optional)	kW	7,5
Heating capacity	kW	16
Ventilation	m³/min (yd³/min)	9 (11,8)

Sound Level

Sound pressure level in cab according	g to ISO 6396	
L_pA	dB	68
External sound level according to ISO 2000/14/EC	O 6395 and EU Noise Direc	tive
Lwa	dB	105

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.

Fuel tank	l (gal)	222 (58,6)
Engine coolant	l (gal)	30 (7,9)
Hydraulic oil tank	l (gal)	90 (23,8)
Transmission oil (non lock-up)	l (gal)	21 (5,5)
Transmission oil (lock-up)	l (gal)	22 (5,8)
Engine oil	l (gal)	20 (5,2)
Axle oil front	l (gal)	35 (9,2)
Axle oil rear	l (gal)	27 (7,1)

Hydraulic system

Total cycle time

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 cooling fan, steering, brake, pilot and hydraulic system. Steering system gets

fan, steering, brake, pilot and nyuraulic 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 MPa (bar) 31 (310) working hydraulic system Flow I/min (gal/min) 171 (45,2) 10 (100) MPa (bar) engine speed r/min (r/s) 1.900 (31,7) Working pressure maximum, pump MPa (bar) 21 (210) 3 for brake- and cooling fan system Flow I/min (gal/min) 33 (8,7) at MPa (bar) 10 (100) 1.900 (31,7) engine speed r/min (r/s) Pilot system, working pressure MPa (bar) 3,5 (35) Lift 5,7 Tilt 2,3 s 4 Lower, empty s

Drivetrain

12

Torque converter: Single-stage Transmission: Volvo countershaft transmission with single lever control. Fast and smooth shifting of gears with Pulse Width Modulation (PWM)

Transmission: Volvo Automatic Power Shift (APS) gear shifting system with fully automatic shifting 1-4 and mode selector with 4 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	Volvo	HTE 125C Non Lock- up / HTL 125 Lock-up
Torque multiplication, stall ratio		2.42:1 Non Lock-up / 2.59:1 Lock-up
Maximum speed		
1st gear	km/h (mi/h)	Converter 6,5 / Lock- up 6,5 (Converter 4,0 / Lock-up 4,0)
2nd gear	km/h (mi/h)	Converter 14 / Lock- up 14 (Converter 8,6 / Lock-up 8,6)
3rd gear	km/h (mi/h)	Converter 26 / Lock- up 27 (Converter 16,2 / Lock-up 16,8)
4th gear	km/h (mi/h)	Converter 46 / Lock- up 50 (Converter 28,5 / Lock-up 31,1)
4th gear: Shown in speedometer a	and limited by E0	CU
Measured with tires		20.5R25
Front axle/rear axle		AWB 25/AWB 20
Rear axle oscillation	±°	13
Ground clearance	mm (in)	470 (18,5)
at oscillation	0	13

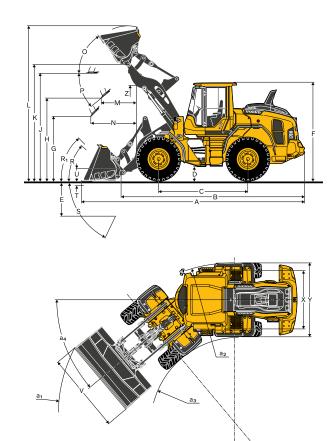


Specifications

Tires 20.5 R25 L3						
	L90H		L9	L90H		
			Standar	d boom	Long boom	
В	mm	ft in	6.170	20'3"	6 600	21'8"
С	mm	ft in	3.050	10'0"	3 050	10'0"
D	mm	in	450	17,3	440	17,3
F	mm	ft in	3.280	10'9"	3 280	10'9"
G	mm	ft in	2.132	7'0"	2 132	7'0"
J	mm	ft in	3.730	12'3"	4 140	13'7"
K	mm	ft in	4.040	13'3"	4 460	14'8"
0	0		57		58	
P _{max}	0		45		44	
R	۰		44		47	
R ₁ *	0		49		5	3
S		•	67		65	
Т	mm	ft in	112	4,41	123	4,84
U	mm	ft in	480	18,9	570	22,4
X	mm	in	1.960	6'5"	1960	6'5"
Υ	mm	ft in	2.490	8'2"	2 490	8'2"
Z	mm	ft in	3.460	11'4"	3 910	12'10"
a ₂	mm	ft in	5.430	17'10"	5 430	17'10"
a ₃	mm	ft in	2.940	9'8"	2 940	9'8"
a ₄	<u>±</u>	•	4	0	4	0

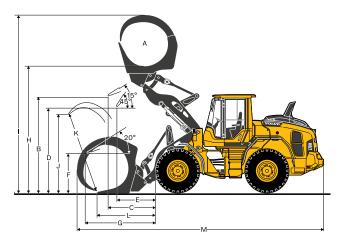
^{*} Carry position SAE

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



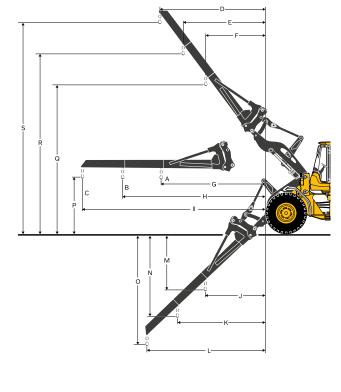
Tires: 20.5R25 L3				
	L90H			
SAE-Load	kg	lb	4.600	10.141
Operating weight without load*	kg	lb	16.645	36.696
Grapple sales code			80	832
A	m²	yd²	2,4	2,87
В	mm	ft in	3.487	11'5"
С	mm	ft in	1.703	5'7"
D	mm	ft in	2.865	9'5"
E	mm	ft in	1.319	4'4"
F	mm	ft in	1.441	4'9"
G	mm	ft in	2.740	9'0"
Н	mm	ft in	4.613	15'2"
1	mm	ft in	6.664	21'10"
J	mm	ft in	2.786	9'2"
K	mm	ft in	2.990	9'10"
L	mm	ft in	2.131	7'0"
M	mm	ft in	8.469	27'9"

 $[\]ensuremath{^{\star}}$ Calculated with additional protective guarding



^{**}Calculated with additional protective guarding

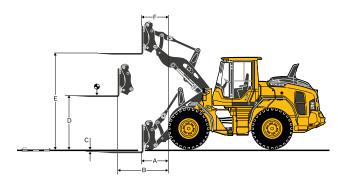
Tires: 20.5R25 L3				
			L9	ОН
Material handling arm s	ales co	de	92	800
A*	kg	lb	2.760	6.085
B*	kg	lb	2.130	4.696
C*	kg	lb	1.740	3.836
Static tipping load, straight	kg	lb	4.289	9.456
35deg. Turn	kg	lb	3.834	8.453
at full turn	kg	lb	3.700	8.157
D	mm	ft in	2.486	8'2"
E	mm	ft in	1.894	6'3"
F	mm	ft in	1.301	4'3"
G	mm	ft in	3.253	10'8"
Н	mm	ft in	4.387	14'5"
I	mm	ft in	5.520	18'1"
J	mm	ft in	1.339	4'5"
K	mm	ft in	1.889	6'2"
L	mm	ft in	2.439	8'0"
М	mm	ft in	2.051	6'9"
N	mm	ft in	3.043	10'0"
0	mm	ft in	4.034	13'3"
P	mm	ft in	1.520	5'0"
Q	mm	ft in	5.403	17'9"
R	mm	ft in	6.370	20'11"
S	mm	ft in	7.336	24'1"
Operating weight without load	kg	lb	14.833	32.701



 $[\]hbox{\tt **Calculated with additional protective guarding}\\$

Tires: 20.5R25 L3								
		L90H						
Fork frame sales code		83770						
Fork tines sales code (R/	L)	80106/80107						
Static tipping load, straight	kg	lb	8.904	19.630				
35deg. Turn	kg	lb	7.947	17.520				
at full turn	kg	lb	7.664	16.896				
at load center distance*	mm	in	600	23,6				
A	mm	in	932	36,7				
В	mm	ft in	1.679	5'6"				
С	mm	in	-4	-0,2				
D	mm	ft in	1.800	5'11"				
Е	mm	ft in	3.841	12'7"				
F	mm	in	641	25,2				
Operating weight without load	kg	lb	14.928	32.911				

^{*} Firm and level ground



^{*} Op. load at full turn + tipping position Tipping loads calculated for max. arm length

 $^{{\}tt **Calculated\ with\ additional\ protective\ guarding}$

Specifications

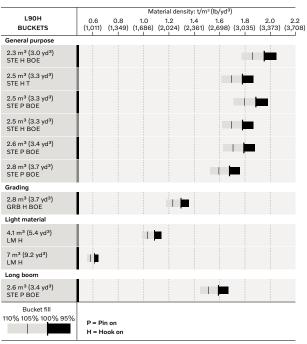
L90H*																					
BR 20,5R25 VJT	L3		GENERAL PURPOSE								GRADING LIGH		ант м	T MATERIAL		LONG BOOM					
		P		PÉ				P						84		86		86			
		(3,0	m³ yd³) H BOE	(3,3	m³ yd³) H T	(3,3	m³ yd³) P BOE	(3,3	m³ yd³) I BOE	(3,4	m³ yd³) PBOE	(3,7	m³ yd³) PBOE		yd³)	(5,4	m³ yd³) 1 H	7 i (9,2 LN	yd³)	(3,4	m³ yd³) PBOE
Volume, heaped ISO/SAE	m³	2,3	3,0	2,5	3,3	2,5	3,3	2,5	3,3	2,6	3,4	2,8	3,7	2,8	3,7	4,1	5,4	7,0	9,2	2,6	3,4
Volume at 110% fill factor	m ³	2,5	3,3	2,8	3,7	2,8	3,7	2,8	3,7	2,9	3,8	3,1	4,1	3,1	4,1	4,5	5,9	7,7	10,1	2,9	3,8
Static tipping load, straight	kg	11.410	25.155	11.330	24.978	11.940	26.323	11.320	24.956	11.820	26.059	11.910	26.257	9.260	20415	10.820	23.854	10.530	23.215	-1800	-3.968
at 35° turn	kg	10.120	22.311	10.030	22.112	10.620	23.413	10.030	22.112	10.500	23.149	10.580	23.325	8.190	18056	9.550	21.054	9.250	20.393	-1 650	-3.638
at full turn	kg	9.730	21.451	9.650	21.275	10.220	22.531	9.650	21.275	10.110	22.289	10.190	22.465	7.870	17350	9.180	20.238	8.870	19.555	-1 600	-3527
Breakout force	kN	134,9	30.327	129,9	29.203	141,3	31.765	127,1	28.573	133,8	30.079	135,6	30.484	92,2	20727	100,7	22.638	87,0	19.558	+1,7	+382
Α	mm	7.600	24'11"	7.850	25'9"	7.550	24'9"	7.690	25'3"	7.630	25'0"	7.610	25'0"	8.170	26'10"	8.050	26'5"	8.350	27'5"	+410	+1'4"
E	mm	1.200	3'11"	1.410	4'8"	1.150	3'9"	1.280	4'2"	1.220	4'0"	1.200	3'11"	1.760	5'9"	1.600	5'3"	1.860	6'1"	-10	-1'12"
Н	mm	2.890	9'6"	2.730	8'11"	2.920	9'7"	2.830	9'3"	2.870	9'5"	2.880	9'5"	2.400	7'10"	2.610	8'7"	2.410	7'11"	+430	+1'5"
L	mm	5.450	17'11"	5.510	18'1"	5.440	17'10"	5.530	18'2"	5.520	18'1"	5.500	18'1"	4.900	16'1"	5.630	18'6"	5.840	19'2"	+420	+1'5"
M	mm	1.010	3'4"	1.170	3'10"	960	3'2"	1.070	3'6"	1.020	3'4"	1.000	3'3"	1.210	3'12"	1.350	4'5"	1.560	5'1"	-50	-1'10"
N	mm	1.670	5'6"	1.720	5'8"	1.650	5'5"	1.700	5'7"	1.670	5'6"	1.660	5'5"	1.520	4'12"	1.710	5'7"	1.710	5'7"	+360	+1'2"
V	mm	2.650	8'8"	2.650	8'8"	2.650	8'8"	2.500	8'2"	2.500	8'2"	2.750	9'0"	2.880	9'5"	2.750	9'0"	3.000	9'10"	0	0'0"
a ₁ clearance circle	emm	12;140	39'10"	12.290	40'4"	12.130	39'10"	12.060	39'7"	12.040	39'6"	12.250	40'2"	12.980	42'7"	12.500	41'0"	12.920	42'5"	+340	+1'1"
Operating weight	t kg	15.560	34.304	15.630	34.458	15.380	33.907	15.600	34.392	15.390	33.929	15.360	33.863	15.700	34613	15.850	34.943	16.280	35.891	+290	+639

^{*}Calculated with additional protective guarding.

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 $\sim 105\%$. Density 1,65 t/m³ (2.781 lb/yd³). Result: The 1,9 m³ (2,5 yd³) bucket carries 2,0 m³ (2,6 yd³). For optimal stability always consult the bucket selection chart.

Material	Bucket	Materia	l density	ISO/SA volu	E bucket ıme	Actual volume		
	fill, %		lb/yd ³	m³	yd ³	m³	yd ³	
Earth/ Clay	~ 110	~ 1,55 ~ 1,45 ~ 1,40	~ 2,613 ~ 2,444 ~ 2,360	2,1 2,3 2,4	2,8 3,0 3,1	2,3 2,5 2,6	3,0 3,3 3,4	
Sand/ Gravel	~ 105	~ 1,60 ~ 1,50 ~ 1,45	~ 2,697 ~ 2,528 ~ 2,444	2,1 2,3 2,4	2,8 3,0 3,1	2,2 2,4 2,5	2,9 3,1 3,3	
Aggre- gate	~ 100	~ 1,80 ~ 1,70 ~ 1,60	~ 3,034 ~ 2,865 ~ 2,697	2,1 2,3 2,4	2,8 3,0 3,1	2,1 2,3 2,4	2,8 3,0 3,1	
Rock	≤100	~ 1,70	~ 2,865	1,6	2,1	1,6	2,1	



How to read bucket fill factor

Supplemental Operating Data								
				Standa	Long boom			
Tires 20.5 R25 L3		20.5 R	25 L2	650/65	R25 L3	650/65 R25 L3		
Width over tires	mm	in	+4	+0,16	+164	+6,46	+164	+6,46
Ground clearance	mm	in	-8	-0,31	-4	-0,16	+12	+0,47
Tipping load, full turn	kg	lb	-70	-154	+315	+695	+287	+633
Operating weight	kg	lb	-111	-245	+545	+1.202	+543	+1.199

Calculated with 2.6 $\mathrm{m^3}$ (3,4 $\mathrm{yd^3}$) STE P BOE, additional protective guarding

Equipment

STANDARD EQUIPMENT

Engine

Exhaust after-treatment system

3-stage air cleaner, pre-cleaner, primary and secondary filter

Indicator glass for coolant level

Preheating of induction air

Fuel pre-filter with water trap

Fuel filter

Crank case breather oil trap

Exhaust heat ventilation

Tires

20.5R25

Drivetrain

Automatic Power Shift

Fully automatic gear shifting, 1-4 PWM-controlled gear shifting

Forward and reverse switch by hydraulic lever console

Rimpull control

Indicator glass for transmission oil level

Differentials: Front, 100% hydraulic diff lock. Rear, conventional

Electrical system

24 V, pre-wired for optional accessories

Alternator 80A/3135W

Battery disconnect switch

Maintenance-free batteries

Battery box, steel

Fuel gauge

Electric horn

Instrument cluster:

Fuel level

Diesel Exhaust Fluid/AdBlue level

Transmission temperature

Coolant temperature

Instrument lighting

Lighting:

Twin halogen front headlights with high and low beams

Parking lights

Double brake and tail lights

Turn signals with flashing hazard light function

Halogen work lights (2 front and 2 rear)

STANDARD EQUIPMENT

Contronic monitoring system

Contronic display

Fuel consumption

Diesel Exhaust Fluid/AdBlue consumption

Ambient temperature

Clock

Test function for warning and indicator lights

Brake test

Warning and indicator lights:

Battery charging

Parking brake

Warning and display message:

Regeneration

Engine coolant temperature

Charge air temperature

Engine oil temperature

Engine oil pressure

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

Crank case pressure

Attachment lock open

Level warnings:

Fuel level

Diesel Exhaust Fluid/AdBlue level

Engine coolant level

Transmission oil level

Hydraulic oil level

Washer fluid level

Engine torque reduction in case of malfunction indication:

High engine coolant temperature

High engine oil temperature

Low engine oil pressure

High crank case pressure

High charge air temperature

 $\label{lem:engine} \textbf{Engine shutdown to idle in case of malfunction indication:}$

High transmission oil temperature

Slip in transmission clutches

Key pad, background lit

Start interlock when gear is engaged

Hydraulic system

Main valve, double acting 2-spool with hydraulic pilots

Quick hydraulic oil fill

Variable displacement axial piston pumps (2) for:

Working hydraulics, pilot hydraulics, steering system, brakes

Secondary steering with automatic test function

Cooling fan, 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

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

Equipment

STANDARD EQUIPMENT

ROPS (ISO 3471), FOPS (ISO 3449)

Harness Anchor Points

Single key kit door/start

Acoustic inner lining

Cigarette lighter, 24 V power outlet

Lockable door

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)

Service and maintenance

Engine oil remote drain and fill

Transmission oil remote drain and fill

Sliding hydraulic oil cooler and AC-condenser

Lubrication manifolds, ground accessible

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

External equipment

Basic fenders, front and rear

Viscous cab mounts

Rubber engine and transmission mounts

Engine hood, electronically openable

Frame, joint lock

Vandalism lock for engine compartment

Lifting eyes

Tie down eyes

Tow hitch

Counterweight, pre-drilled for optional guards

OPTIONAL EQUIPMENT

Engine

Air pre-cleaner, cyclone type

Air pre-cleaner, oil-bath type

Air pre-cleaner, turbo type III Engine auto shut down

Engine block heater, 120V / 230V

Fuel heater

Fuel fill strainer

Hand throttle control

Max. fan speed, hot climate

Reversible cooling fan Drivetrain

Lock-up torque converter

Rear axle with limited slip

Speed limiter, 20 km/h (12,5 mph)

Speed limiter, 30 km/h (18,6 mph)

Speed limiter, 40 km/h (24,9 mph)

OPTIONAL FOUIPMENT

Hydraulic system

Arctic kit: Attachment locking, pilot hoses and hydraulic oil

Attachment bracket, cast, visibility-optimized

Attachment bracket, side-tilting

Separate attachment locking, long boom

Separate attachment locking, standard boom

Single acting lifting function

Boom suspension system

Hydraulic fluid, biodegradable, Volvo

Hydraulic fluid, fire resistant

Hydraulic fluid, for hot climate

Hydraulic, 3 functions, standard/long boom

Hydraulic, 4 functions, standard/long boom

Detent for 3rd hydraulic function

Adjustable flow for 3rd hydraulic function

Single lever control, 2 functions

Single lever control, 3 functions

Hydraulic, 2 functions Electro-servo, std/long boom

Hydraulic, 3 functions Electro-servo, std/long boom

Hydraulic, 4 functions Electro-servo, std/long boom

Single lever control, 2 funct Electro-servo, std/long boom

Single lever control, 3 funct Electro-servo, std/long boom

Single lever control, 4 funct Electro-servo, std/long boom

Brake system

Stainless steel, brake lines

Axle oil cooler

Parking brake alarm, audible

Cab

ACC control panel, with Fahrenheit scale

Anchorage for Operator's manual

Asbestos dust protection filter

Automatic Climate Control, ACC

Automatic Climate Control, ACC, corrosion protection condenses

Cab air pre-cleaner, cyclone type

Carbon filter - cab

Remote door opener

Lunch box holder Operator's seat, Volvo air-suspended, Heavy Duty

Operator's seat, Volvo air-susp, 2pt seat belt

Operator's seat, Volvo air-susp, 3pt seat belt

Operator's seat, ISRI, heated, high back

Operator's seat, ISRI, low back

Operator's seat, Premium Comfort ISRI, 2pt seat belt

Operator's seat, Premium Comfort ISRI, 3pt seat belt

Armrest, operator's seat, ISRI, left only

Armrest, operator's seat, Volvo, left

Safety belt, 3" (75mm) width

Safety belt warning Radio installation kit including 12 volt outlet, left-side

Radio installation kit including 12 volt outlet, right-side

Radio installation kit, 12V, for USA

Radio with AUX, Bluetooth and USB connection

DAB Radio

Subwoofer

Forward view mirror Rear view mirrors, el.adjusted and heated

Rear view mirrors, long arm right

Rear view mirrors, el.adjusted and heated, long arm right

Steering wheel knob

Sun blinds, rear windows

Sun blinds, side windows Timer cab heating

Universal door/ignition key

Window, sliding, door

Cab, Hot applications. Roof, steel

Fire extinguisher cab

Outside steel protection cab

Rear view mirrors long arm, cab

Reinforced windshield, flat

Service and maintenance

Automatic lubrication system Automatic lubrication system for long boom

Oil sampling valve

Refill pump for automatic lubrication system

Tool kit

Wheel nut wrench kit

OPTIONAL EQUIPMENT Electrical Battery disconnect switch, additional in cab Anti-theft device Halogen Economy package Halogen Feature package Halogen Power package Headlights, assymetric left, halogen Working lights, attachments, halogen LED Economy package LED Feature package LED Power package Headlights, assym. left Headlights, assymetric right, LED Headlights, assymetric left, LED Working lights, attachments, LED Emergency stop License plate holder, lighting Reduced function working lights when reverse gear activated Side marker lamps Forward camera, colour Rear view camera including monitor, colour Rear view mirrors, long arm, right side Rearview mirrors, adjustable, el. heated Reverse alarm Reverse lights Reversing warning light Reverse warning light, strobe lightning Warning beacon (flasher), LED automatic Warning beacon (flasher), LED Seatbelt indicator, external Working lights, attachments, 1 LED Warning beacon LED Warning beacon LED automatic LED Head Light LED tail light LED working lights, attachments LED working lights on cab, front and rear LED working lights on cab, front, 2 alt. 4 LED lamps LED working lights on cab, rear, 2 alt. 4 LED lamps LED working lights, rear in grille, 2 LED lamps LED working lights, front above head lamps, 2 LED lamps LED work lights, side on cab, 4 LED lamps LED light packages Working lights halogen, attachments Working lights on cab halogen, front and rear Working lights on cab halogen, rear Co Pilot available Rearview camera in Co pilot

OnBoard Weighing

Connected Map Operator Coaching Start Operator Coaching Advanced Max Boom height

Can Bus Interface

OnBoard Weighing Task Mode Tire Pressure Monitoring System

Jump start connector, ISO-Type Delayed Engine Shutdown

Bellyguard front
Bellyguard rear
Boom cylinder hose and tube guards
Cab roof, heavy duty
Center hinge and rear frame guard
Corrosion protection, painting of machine
Cover plate front frame, heavy-duty
Cover plate, under cab
Cover plates rear frame
Guards for front headlights
Grease nipple guards
Guards for radiator grill
Guards for tail lights, heavy-duty
Wheel/axle seal guards
Window guards, side and rear
Windshield guard
External equipment
Deleted front mudguards
Fire extinguisher
Bracket for fire extinguisher
Fire suppression system
Mudguards, full cover, rear for 80-series tires
Mudflap kit for mudguards, full cover for 80-series tires
Mudguards, full cover, rear and front/rear for 65-series ti
Mudflap kit for mudguards, full cover for 65-series tires
Footsteps front frame
Footsteps, right-hand side
Flexible rear step
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Cab ladder, rubber suspended
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Cab ladder, rubber suspended Other equipment
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC)
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph)
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package Scrap Handler package
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package
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Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package Scrap Handler package Tires and Rims 20.5R25
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package Scrap Handler package Scrap Handler package Tires and Rims 20.5R25 600/65R25 650/65R25
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package Scrap Handler package Tires and Rims 20.5R25 600/65R25 650/65R25 650/65R25 620/75R26 Agriculture application only
Cab ladder, rubber suspended Other equipment CareTrack, GSM/Satellite CE-marking Comfort Drive Control (CDC) Comfort Drive Control (CDC) Electro-servo Secondary steering Counterweight, logging Counterweight, signal painted, chevrons Option for machines without dinitrol Noise reduction kit, EU excluding decal Sign, 50 km/h (31,1 mph) Sign, slow moving vehicle Agriculture package Agri Powershift 1-4 Log Loader package Waste Handler package Scrap Handler package Scrap Handler package Tires and Rims 20.5R25 600/65R25 650/65R25
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OPTIONAL EQUIPMENT

Protective equipment

Anti-theft device

roor contac rightcure application only	
Attachments	
Buckets:	
Straight	
Spade nose	
High tipping	
Light material	
Grading	
Wear parts:	
Bolt-on edge	
Bolt-on or weld-on bucket teeth	
Segments	
Log grapples	
Fork equipment	
Material handling arm	
Snow blade	
Broom	

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.

Sand spreading bucket

Bale clamp Drum rotator

V O L V O