

Volvo Wheel Loaders 18-20.7 t 256 hp



Volvo Construction Equipment

LIIOH

With high breakout force, ultimate parallel movement and easy bucket filling, this medium sized 20-tonne wheel loader is ready to tackle a range of applications.



Made to move

The second generation of Volvo L110H Wheel Loader is as versatile, fuel efficient and reliable as its forerunner but it comes with a batch of improvements that increase availability. A new Volvo engine and power strategy, plus a host of maintenance-friendly features trigger benefits for the operators, service technicians and machine owners.



Fuel efficiency

- Second generation OptiShift with lockup (option)
- Reverse By Braking
- Rimpull control
- Eco pedal
- Dry P-brake



Loaded for versatility

- Unique Torque Parallel linkage
- Range of matched Volvo Attachments
- Custom built attachments
- Tailored application packages



Operator comfort

- Removed main switch, ignition key activates and powers the machine
- Choice of single or multi levers
- Choice of three hydraulic response modes
- Auto bucket leveling function
- Comfort Drive Control (option)
- Premium seat (option)



Load Assist (option)

- On-Board Weighing
- Operator Coaching
- Tire Pressure Monitoring System
- When fitted, Radar detect system, Rear-view camera and Collision Mitigation System are integrated into the Volvo Co-Pilot display



Uptime

- Auto engine regeneration while working
- 1 000 hr engine service interval
- Removed main switch = no risk of flat battery because left on
- Delayed engine shutdown reduces wear (option)

Serviceability

- Electric fuel priming pump
- Lockout-tagout (LOTO) on service switch
- Electrically-operated engine hood with large opening
- Slidable cooler installation
- Drain/fill connector for hydraulic oil
- Brake wear indicators

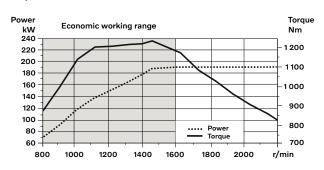
Volvo L110H in detail

Engine

8 liters, 6-cylinder in-line turbocharged diesel engine with an advanced common rail fuel injection system. Fuel is distributed under high pressure from a high-pressure accumulator. One camshaft-driven high pressure pump delivers the fuel to the rail and then to the electronically operated fuel injectors via high pressure pipes.

The engine meets all emission requirements and comply with Stage V emission legislation by the help of the exhaust after treatment system (EATS) which contains the diesel oxy-catalyst (DOC) and diesel particulate filter (DPF) for regeneration, urea injector, mixing chamber,SCR and slipcat for reduction of NOx. The reduction of NOx is assisted by the use of cooled exhaust gas recirculation (EGR) as well.

Engine	Volvo	D8M
Max. power at	r/min	1500 - 2240
ISO 14396 gross	kW	191
	hp	256
ISO 9249, SAE J1349 net	kW	191
	hp	256
Max. torque at	r/min	1450
ISO 14396 gross	Nm	1 246
ISO 9249, SAE J1349 net	Nm	1 246
Economic working range	r/min	800 - 1600
Displacement	1	7.8



Drivetrain

Torque converter: Single-stage.

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) with fully automatic shifting 1-4 and mode selector with 4 different gear shifting programs, including AUTO. Also equipped with Rimpull control to avoid wheel spin and optimize bucket filling. OptiShift transmission is also available as an option (HTL 206E).

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. Optional: Limslip rear.

Transmission	Volvo	HTE 206F
Torque multiplication, stall ratio		2.47:1
Maximum speed, forward/reverse		
1st gear	km/h	7.3
2nd gear	km/h	13.7
3rd gear	km/h	28.4
4th gear	km/h	40
Note: 4th gear limited by ECU		
Measured with tires		750/65R25
Front axle/rear axle	A	WB 31/AWB 30
Rear axle oscillation	±°	13
Ground clearance	mm	430
at oscillation	0	13

Electrical system

Central warning 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.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	2 x 170
Cold cranking capacity, approx	А	1000
Alternator rating	W/A	3 479/130
Starter motor output	kW	5.5

Brake system

Service brake: Volvo dual-circuit system with nitrogen charged

acculmulators. Outboard mounted hydraulically operated, fully sealed oil circulation cooled wet disc brakes. The operator can select automatic declutch of the transmission when braking by selecting the setting in the contronics. **Parking brake:** Dry disc brake. Applied by spring force, electro-hydraulic release with a switch on the instrument panel.

Secondary brake: Dual brake circuits with rechargeable accumulators. One circuit or the parking brake fulfills all safety requirements.

Standard: The brake system complies with the requirements of ISO 3450. Number of brake discs per wheel 1

Accumulators	I	3 x 1.0
Accumulators for parking brake	I	1 x 1.0

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 manual settings (11 speeds). 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, SAE J1040), FOPS (ISO 3449). The cab meets with requirements according to SAE J386 ("Operator Restraint System"). Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO₂-eq.

Emergency exit: Use emergency hammer to break window

Ventilation	m³/min	9
Heating capacity	kW	16
Air conditioning (optional)	kW	7.5

Lift Arm System

Torque Parallel linkage (TP-linkage) with high breakout torque and parallel movement throughout the entire lifting range.

Lift cylinders		2
Cylinder bore	mm	150
Piston rod diameter	mm	80
Stroke	mm	676
Tilt cylinder		1
Cylinder bore	mm	210
Piston rod diameter	mm	110
Stroke	mm	412

Hydraulic system

System supply: Two load-sensing axial piston pumps with variable displacement. The steering system always has priority. Valves: Double-acting 2-spool valve. The main valve is controlled by a 2-spool pilot valve.

2-spool pilot valve. Lift function: The valve has four positions; raise, hold, lower and floating position. Inductive/magnetic automatic boom kickout can be switched on and off and is adjustable to any position between maximum reach and full lifting height. Tilt function: The valve has three functions including rollback, hold and dump. Inductive/magnetic automatic tilt can be adjusted to the desired bucket and

bucket angle.

Cylinders: Double-acting cylinders for all functions **Filter:** Full flow filtration through 10 micron (absolute) filter cartridge.

Working pressure maximum, pump 1 for working hydraulic system	MPa	27.0 ± 0.5
Flow	l/min	128
at	MPa	10
engine speed	r/min	1900
Working pressure maximum, pump 2 for steering-, brake-, pilot- and working hydraulic system	MPa	29.0 ± 0.5
Flow	l/min	128
at	MPa	10
engine speed	r/min	1900
Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	21.0 ± 0.5
Flow	l/min	33
at	MPa	10
engine speed	r/min	1900
Pilot system, working pressure	MPa	3.5 ± 0.5
Cycle times		
Lift	S	5.4
Tilt	s	2.1
Lower, empty	S	2.5
Total cycle time	s	10

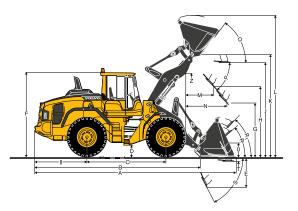
Steering System		
Steering system: Load-sensing hydros System supply: The steering system ha axial piston pump with variable displace Steering cylinders: Two double-acting	as priority feed from ement.	
Steering cylinders		2
Cylinder bore	mm	75
Rod diameter	mm	50
Stroke	mm	486
Working pressure	MPa	26.5
Maximum flow	l/min	128
Maximum articulation	±°	40
Service Refill		
Service accessibility: Electrically open opening angle giving excellent access to Fluid filters and component breather air t A quick-fit adapter on the hydraulic tank Possibility to monitor, log and analyze d	o the engine compa filters promote long provides faster hydr	rtment. service intervals. aulic oil fill.
Fuel tank	1	270
DEF/AdBlue [®] tank	1	31
Engine coolant	1	38
Hydraulic oil tank	1	140
Transmission oil	I	38
	1	30
Engine oil		
Engine oil Axle oil front	I	36
5		36 41

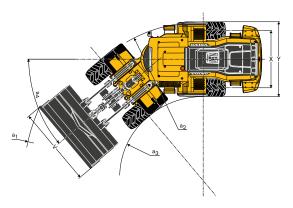
Sound pressure level in cab according to ISO 6396		
L _{pA}	dB	68
External sound level according to ISO 6395		
L _{WA}	dB	106

Raise and tilt cycle times with load according to ISO 14397

Specifications

DIMENSIONS						
Tires 23.5		L1 ¹	юн			
Tires 23.5	R25L3	Standard boom	Long boom			
В	mm	6 550	7 080			
С	mm	3 200	3 200			
D	mm	440	430			
F	mm	3 380	3 380			
G	mm	2 131	2 133			
I	mm	2 120	2 120			
J	mm	3 710	4 220			
К	mm	4 030	4 550			
0	0	55	74			
P _{max}	٥	50	47			
R	0	41	41			
R₁*	o	43	47			
S	٥	66	43			
Т	mm	95	106			
U	mm	430	560			
Х	mm	2 070	2 070			
Y	mm	2 670	2 670			
Z	mm	3 340	3 330			
a ₂	mm	5 730	5 730			
a ₃	mm	3 060	3 060			
a4	±°	40	40			
With 3.0 m ³ STE H T bucket						





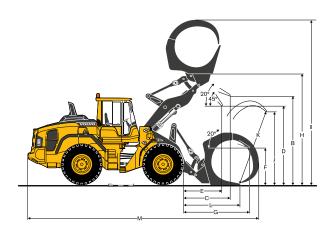
* Carry position SAE

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

L110H Log Loader Grapple: WLA80832

Operating weight (incl. logging cw 685 kg): 20 070 kg Operating load: 6 500 kg

DIMENSIONS L110H Tires: 750/65 R25 А m² 2.4 В mm 3 4 8 0 С mm 1850 2 860 D mm Е 1460 mm 1530 F mm G 2 720 mm 4 600 Н mm Т 6 6 3 0 mm 2 790 J mm Κ 2 990 mm 2 0 5 0 L mm М 8 8 3 0 mm



L110H					-					-	LONG
Tires 23.5R25 XHA2 L3		REHAN	DLING*		GENERAL	PURPOSE		ROCK**	LIGHT M	ATERIAL	BOOM***
			ØØ		0 E		ØÐ				Ø.
		3.5 m ³ STE P BOE	3.5 m ³ STE H BOE	3.0 m ³ STE P T	3.0 m ³ STE H T	3.4 m ³ STE P BOE	3.4 m ³ STE H BOE	2.7 m ³ SPN P T SEG	5.5 m ³ LM H	9.5 m ³ LM H	3.0 m ³ STE H T
Volume, heaped ISO/SAE	m ³	3.5	3.5	3.0	3.0	3.4	3.4	2.7	5.5	9.5	3.0
Volume at 110% fill factor	m³	3.9	3.9	3.3	3.3	3.7	3.7	3.0	6.1	10.5	3.3
Static tipping load, straight	kg	14 790	14 100	13 860	13 150	13 580	12 920	13 820	12 060	12 160	-530
at 35° turn	kg	13 150	12 500	12 340	11 670	12 080	11 470	12 260	10 640	10 700	-520
at full turn	kg	12 660	12 030	11 890	11 240	11 630	11 040	11 800	10 220	10270	-530
Breakout force	kN	173.1	160.0	179.7	165.5	171.5	158.5	153.0	123.1	107.3	+3
A	mm	8 0 4 0	8 150	8 110	8 220	8 060	8 160	8 390	8 580	8 880	+510
E	mm	1220	1320	1280	1380	1230	1330	1 5 2 0	1700	1960	-310
н	mm	2 820	2 750	2 780	2 710	2 810	2 740	2 600	2 420	2 210	+510
L	mm	5 580	5 650	5 4 3 0	5 4 9 0	5 500	5 570	5 540	5 840	6 010	+520
Μ	mm	1 170	1 250	1 2 2 0	1300	1180	1 260	1400	1520	1730	-40
Ν	mm	1720	1760	1740	1780	1720	1760	1 810	1800	1 810	+440
V	mm	3 000	3 000	2 880	2 880	2 880	2 880	2 880	3 000	3 400	0
a1 clearance circle	mm	12 930	12 980	12 860	12 910	12 830	12 880	13 040	13 260	13 810	+480
Operating weight	kg	19 360	19 580	18 520	18 750	18 580	18 800	19 710	19 260	19 480	+250

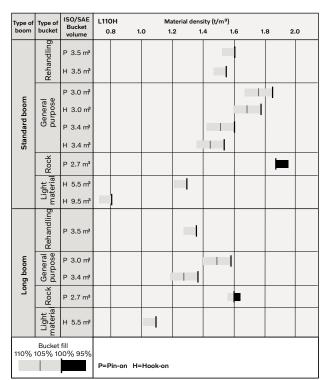
* Measured with additional rehandling counterweight | ** With MICHELIN 23,5R25 XMINE D2 Pro L5 Tire | *** Compared to GP 3.0 m³ STE H T bucket

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 1.6 t/m³. **Result:** The 3.4 m³ bucket carries 3.6 m³. For optimum stability always consult the bucket selection chart.

Material	Bucket	: fill, %	Material density, t/m³	ISO/SAE bucket volume, m ³	Actual volume, m ³
Earth/Clay	~ 110	\bigcirc	1.8 1.6	3.0 3.4	3.3 3.7
Sand/ Gravel	~ 105	\bigcirc	1.8 1.6	3.0 3.4	3.2 3.6
Aggregate	~ 100	\bigcirc	1.8 1.6	3.5	3.5
Rock	≤100	\bigcirc	1.7	2.7	2.7

The size of rock buckets is optimized for optimal penetration and filling capability rather than the density of the material.



How to read bucket fill factor

Supplemental Operating Data					
Tires 23.5 R25 L3		Standard boom		Long boom	
		23.5 R25 L5	750/65 R25	750/65 R25	
Width over tires	mm	+30	+200	+200	
Ground clearance	mm	+50	0	0	
Tipping load, full turn	kg	+490	+430	+310	
Operating weight	kg	+670	+640	+640	

Equipment

STANDARD EQUIPMENT	STANDARD EQUIPMENT				
Engine					
Exhaust after-treatment system					
Three stage air cleaner, pre-cleaner, primary and secondary filter					
Indicator for coolant level					
Preheating of induction air					
Fuel pre-filter with water trap					
Fuel filter					
Electric fuel prime pump					
Crankcase breather oil trap					
Exterior radiator air intake protection					
Drivetrain					
Automatic Power Shift					
Fully automatic gearshifting, 1-4					
PWM-controlled gearshifting					
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 24 V / 130 A / 3 479 W					
Battery disconnect (service) switch					
Fuel gauge					
Hour meter					
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 Monitoring and logging of machine data Contronic display Fuel consumption Diesel Exhaust Fluid / AdBlue consumption Ambient temperature Clock Test function for warning and indicator lights Brake test Test function, sound level at max fan speed 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 Crankcase pressure Attachment lock open Safety Belt Warning Level warnings: Fuel level Diesel Exhaust Fluid/AdBlue level Engine oil 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 crankcase pressure High charge-air temperature Engine shutdown to idle in case of malfunction indication: High transmission oil temperature Slip in transmission clutches Keypad, background lit Start interlock when gear is engaged Hydraulic system Main valve, double acting 2-spool with hydraulic pilots Variable displacement axial piston pumps (3) for: 1 Working hydraulics, Pilot hydraulics and Brake system 2 Working hydraulics, Pilot hydraulics, Steering and Brake system 3 Cooling fan and Brake system Secondary steering with automatic test function Quick hydraulic oil fill Electro-hydraulic servo controls Electronic hydraulic lever lock Automatic boom kick-out Automatic bucket positioner Double-acting hydraulic cylinders Indicator glass for hydraulic oil level Hydraulic oil cooler

STANDARD EQUIPMENT				
Brake system				
Dual brake circuits				
Dual brake pedals				
Secondary brake system				
Parking brake, electro-hydraulic				
Brake wear indicators				
Cab				
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 rear-view mirrors				
Dual exterior rear-view mirrors				
Sliding window, right side				
Tinted windshield glass Retractable seatbelt (SAE J386)				
Adjustable steering wheel				
Storage compartment				
Document pocket				
Sun visor				
Beverage holder				
Windshield washer front and rear				
Windshield washer none and rear				
Interval function for front and rear wipers				
Service and maintenance				
Engine oil remote drain and fill				
Transmission oil remote drain and fill				
Lubrication manifolds, ground accessible Pressure check connections: transmission and hydraulic, quick-connects				
Quick-fit hydraulic oil fill				
Tool box, lockable				
External equipment				
Orange hand rails Fenders, front and rear				
Viscous cab mounts Rubber engine and transmission mounts				
Frame, joint lock				
Vandalism lock prepared for Engine compartment Radiator grille				
Lifting eyes				
Tie-down eyes				
Fabricated counterweight				
Counterweight, pre-drilled for optional guards				

Counterweight, pre-drilled for optional guards

Equipment

OPTIONAL EQUIPMENT	OPTIONAL EQUIPMENT		
Engine	Electrical system		
Air pre-cleaner, cyclone type	Anti-theft device		
Air pre-cleaner, oil-bath type	Halogen Economy package		
Air pre-cleaner, turbo type II	Halogen Feature package		
Air pre-cleaner, turbo type III	Halogen Power package		
Engine auto shutdown	Headlights, assymetric left, halogen		
Engine delayed shutdown	Working lights, attachments, halogen		
Engine block heater	LED Economy package		
Fuel fill strainer	LED Feature package		
Fuel heater	LED Power package		
Hand throttle control	LED Intense package		
Max. fan speed, hot climate	Alarm kit, anti-theft function in WECU		
Radiator, corrosion-protected	Battery disconnect switch, additional in cab		
Reversible cooling fan	Emergency stop		
Reversible cooling fan and axle oil cooler	Locking device, Tag out Lock out		
Wheels and tires	License plate holder, lighting		
23.5 R25	Rear view camera, monitor		
750/65 R25	Rear view mirrors, el.adjusted and heated		
Drivetrain	Rear view mirrors, long arm right		
Oil cooler and filter front & rear axle	Rear view mirrors, el.adjusted and heated, long arm right		
OptiShift transmission with Lock-up RBB	Reduced function working lights, reverse gear activated		
Diff lock front 100%, Limited Slip rear	Reverse alarm, audible		
Agri power-shift / lock-up 1-4	Reverse alarm, white noise		
Speed limiter	Dual LED reversing strobe lights		
Stainless steel, brake lines	Seatbelt indicator, external		
	Shortened headlight support brackets		
	Side marker lamps		
	Warning beacon LED		
	Warning beacon LED automatic		
	Electrical distribution unit 24 volt		
	Load Assist		
	Radar detect system		
	Collision Mitigation System		
	Forward camera		
	Dual forward cameras		
	Parking brake alarm, audible for air susp seats		
	Jump start connector, ISO-Type		
	Max Boom height		
	Can Bus Interface		
	Delayed Engine Shutdown		
	Co-Pilot available		
	Rearview camera in Co-Pilot		
	OnBoard Weighing		
	OnBoard Weighing Task Mode		
	Tire pressure monitoring system		

Connected Map Operator Coaching Start Operator Coaching Advanced

Hydraulic system Boom suspension system Separate attachment locking Arctic kit, attachment locking hoses Boom cylinder hose and tube guards Hydraulic fluid, biodegradable, Volvo Hydraulic fluid, fire-resistant Hydraulic fluid, for hot climate Hydraulic 3rd function Hydraulic 3rd-4th function

Hydraulic constant flow control with detent for 3rd function

Single lever control, hydraulics 2 functions Single lever control, hydraulics 3 functions Single lever control, hydraulics 4 functions

OPTIONAL EQUIPMENT	OPTIONAL EQUIPMENT
Cab	Protective equipment
Anchorage for Operator's manual	Belly guard front
Automatic Climate Control, ACC	Belly guard rear
ACC control panel, with Fahrenheit scale	Cover plate, heavy-duty, front frame
Asbestos dust protection filter	Cover plate, rear frame
Ashtray	Cover plate, front/rear axle
Cab air pre-cleaner, cyclone type	Cab roof, heavy-duty
Carbon filter	Guards for front headlights
Cover plate, under cab	Guards for radiator grill
Lunch box holder	Guards for tail lights
Volvo Armrest, operator's seat, left	Windows, side and rear guards
Operator's seat, Mechanical ISRI, 2pt seat belt	Windshield guard
Operator's seat, Volvo Air Suspension, Heavy Duty, 2pt seat belt	Wheel/axle seal guards
Operator's seat, Volvo Air Suspension, 2pt seat belt	Corrosion protection, painting of machine
Operator's seat, Volvo Air Suspension, 3pt seat belt	Corrosion protection, painting of attachment bracket
Operator's seat, Comfort ISRI, 2pt seat belt	Bucket Teeth protection
Operator's seat, Comfort ISRI, 3pt seat belt	External equipment
Operator's seat, Premium ISRI, 2pt seat belt	Cab ladder, rubber-suspended
Operator's seat, Premium ISRI, 3pt seat belt	Deleted front mudguards & wideners rear
Radio installation kit incl. 12 volt outlet, left side	Handles on counterweight
Radio installation kit incl. 12 volt outlet, right side	Fire suppression system
Radio (with AUX, Bluetooth and USB connection) DAB Radio	Mudguards, full cover, rear for 80-series tires
Subwoofer	Mudguards, full cover, rear for 65-series tires
	Long boom Tow hitch
Steering wheel knob	
Sun blinds, rear windows	Other equipment
Sun blinds, side windows	CE-marking
Timer cab heating	Comfort Drive Control (CDC)
Window, sliding, door	Counterweight, logging
Universal door/ignition key	Counterweight, signal painted, chevrons
Remote door opener	Sound decal, EU
Forward view mirrors	Sound decal, USA
Cab heater power outlet 240 V	Reflecting stickers (decals), machine contour
Cab, Hot applications. Roof, steel	Reflecting stickers (stripes), machine contour Cab
Fire extinguisher cab	Option for machines without dinitrol
Outside steel protection cab	Noise reduction kit, exterior
Rear view mirrors long arm, cab	Sign, slow moving vehicle
Reinforced windshield, flat	Sign, 50 km/h
Service and maintenance	Agriculture package
Automatic lubrication system	Log Loader package
Automatic lubrication system for long boom	Rehandling package
Grease nipple guards	Scrap Handler package
Oil sampling valve	Waste Handler package
Refill pump for grease to lube system	Attachments
Tool kit	Buckets:
Wheel nut wrench kit	Rock straight or spade nose
CareTrack, GSM, GSM/Satellite	General purpose Rehandling
Telematics, Subscription	Light material
	High tip
	Grading
	Wear parts:
	Bolt-on and weld-on bucket teeth Segments
	Segments Cutting edge in three sections, bolt-on
	Fork equipment
	Material handling arm

- Snow plows Spreading bucket
- Sweepers

Log grapples

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.

VOLVO