

Volvo Wheel Loaders 31.2-33.1 t 375 hp

L220

L220

Powerful and efficient, the L220 boosts productivity in rehandling, quarrying and material handling. Smart technology and durability you can count on.





Fast cycle times

- Second generation load sensing hydraulics
- Automatic traction control
- Bucket leveling function
- Entirely Volvo powertrain
- Reduced steps between gears for faster acceleration and smooth operation.
- Volvo Torque Parallel Linkage
- Volvo Attachment



Efficient and profitable operations

- Powerful and efficient engine
- Second generation OptiShift
- Reverse By Braking
- Smart control with reduced fuel consumption
- Attachment optimization
- External dry P-Brake, which eliminates drag losses
- Auto bucket fill
- Compatible with HVO

Powerful, efficient and high-performance loading

From rehandling and quarrying to bulk material handling, the Volvo L220 Wheel Loader is designed to deliver unmatched efficiency and power. Featuring faster cycle times, an unrivalled operator environment, and Volvo quality, durability and safety you can depend on, this is a machine which delivers maximum uptime and performance in the toughest of conditions. What's more, a host of Volvo solutions including Load Assist, On-Board Weighing and Load Ticket further help optimize every load, ensuring maximum efficiency and profitability in your operations.

The operator's choice



- Interactive, integrated Volvo Co-Pilot display
- Dynamic instrument cluster
- Comfort Drive Control (CDC)
- Customizable operator settings

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A new level in cab comfort

- Most comfortable and quietest cab on the market
- Enhanced storage options
- New armrest, new cupholder and USB chargers
- Extensive range of seats including premium seats with heating and cooling functionality..

Durable by design



- A durability leader in its class
- Outstanding uptime
- Volvo-renowned quality runs throughout every component
- Strong frame structure and robust axles, ideally matched to the Volvo powertrain
- Self-cleaning hydraulically driven cooling fan
- Outboard mounted brakes
- Front and rear axles are cooled by the oil circulation.



Industry leading serviceability

- \bullet Cab can be tilted to either a 30^{o} or 70^{o} angle
- Electronically operated engine hood
- Captive oil filters, captive fuel filters with electric pump, optional fast fuel fill
- Optional fast fuel fill
- Service light under the grille
- Brake wear indicators

Ultimate performance across a range of segments



- Rehandling
- Block handling
- Log loading
- Slag handling
- Quarry / Aggregate
- Waste & Recyling
- And more...



Safety inside and out

- Excellent in-cab visibility and field of vision
- High definition rear view camera integrated in the Volvo Co-Pilot display
- Volvo Smart View with 360°
- Collison Mitigation System
- Battery disconnect/service switch with lockout/tagout
- Radar detect system
- Orange handrails
- Remote door opening
- Enhanced LED lighting packages
- New service platform

Loaders and beyond



- Load Assist with On Board Weighing
- Load Ticket
- Connected Map with Performance Indicator
- Operator Coaching
- CareTrack telematics system

Fast cycle times

Achieve fast cycle times with second generation load sensing hydraulics.

The second generation load sensing hydraulics are designed to enhance the responsiveness of the hydraulic system and improve the lifting and lowering speed of the boom.

Boost productivity further with the bucket leveling

Fuel efficiency, lower emissions

Do more with less fuel, thanks to the industry-renowned fuel efficiency of Volvo Wheel Loaders.

Contributing to the fuel-efficient performance is Smart Control, powerful engine, second generation OptiShift, attachment optimization and external dry P-Brake, which eliminates drag losses.

What's more, the renewable synthetic diesel fuel, HVO (Hydro-treated Vegetable Oils), has been approved for use in Volvo Construction Equipment diesel engines with the potential to reduce CO2 emissions by up to 90%.



Intuitive operator interface

Operators can stay in-the-know and focused on the task at hand thanks to all essential in-cab information conveniently displayed on just two screens.

The interactive, integrated Volvo Co-Pilot display offers easy control over essential functions such as media, camera settings, climate control and machine status.

This is combined with the dynamic instrument cluster, positioned in front of the steering wheel, which provides essential vehicle data at a glance.

Durable by design

A durability leader in its class, Volvo Wheel Loaders deliver outstanding uptime.

Volvo-renowned quality runs throughout every component, including a strong frame structure and robust axles, ideally matched to the Volvo powertrain.

The hydraulically driven cooling fan regulates component temperature and can be automatically reversed to permit self-cleaning of the cooling units.

For long service life, the brakes are outboard mounted and the front and rear axles are cooled by the oil circulation.

Safety first

Excellent in-cab visibility and field of vision is complemented by a host of safety-enhancing features including high definition rear view camera integrated in the Volvo Co-Pilot display, Collision Mitigation System and radar detect system that provides visual and audible alerts when encountering unseen objects.

Orange handrails and steps improve visibility for operators and maintenance staff, while automatic door opening allows the door to be opened with the key or button.

Ultimate performance across a range of applications

Get ready to achieve maximum results across a wide range of applications in the Volvo L220 thanks to a range of options and attachments which equip the machine to take on the unique challenges and requirements of your segment.

A comprehensive range of attachments designed to work in perfect harmony provide the ideal match of machine and attachment to succeed across applications including rehandling, log loading, slag handling, block handling and more.



Volvo L220 in detail

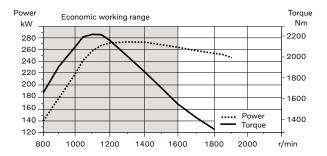
Engine

V-ACT Stage V, 13-liter, 6-cylinder straight turbocharged diesel engine with 4 valves per cylinder, overhead camshaft, and electronically controlled unit injectors. The engine has wet replaceable cylinder liners and replaceable valve guides and valve seats. The throttle application is transmitted electrically either from the throttle pedal or the optional hand throttle.

Air cleaning: 2 stages.

Cooling system: Hydrostatic, electronically controlled fan and intercooler of the air-to-air type.

Engine	Volvo	D13J
Max. power at	r/min	1 300 - 1 400
ECE R120 net	kW	280
	hp	381
ISO 9249, SAE J1349 net	kW	279
	hp	379
Max. torque at	r/min	1 100
ECE R120 net	Nm	2 276
ISO 9249, SAE J1349 net	Nm	2 265
Economic working range	r/min	800 - 1 600
Displacement	- 1	12.8



Drivetrain

Torque converter: Single-stage torque converter with lockup. Transmission: The electronically controlled Volvo countershaft transmission features the Full Automatic Power Shift (FAPS) function, which offers fully automatic shifting in all four forward gears and from the second to the fourth gear in reverse. It is complemented by a mode selector with four gear-shifting programs. The Rimpull Control function helps prevent wheel spin and optimizes bucket filling. The single lever control and the Pulse Width Modulation (PWM) valves ensure effortless, fast, and smooth shifting, providing higher precision and reliability. Axles: Volvo's fully floating drive shafts with planetary hub reductions and cast iron axle housing. The axles are now equipped with the innovative Automatic Traction Control (ATC) system, which enhances traction capability significantly. This system automatically engages a 100% differential lock, providing superior grip and stability. The ATC is standard on the front axle, ensuring optimal performance in challenging conditions, and is available as an optional feature for the rear axle, offering additional flexibility and control.

Transmission	Volvo	HTL 310
Torque multiplication, stall ratio		2.02:1
Maximum speed, forward/reverse		
1st gear	km/h	6.7 / 6.6
2nd gear	km/h	11.6 / 11.4
3rd gear	km/h	21.7 / 21.4
4th gear	km/h	36.5/36.1
Measured with tires		29.5 R25 L4
Front axle/rear axle		Volvo/AWB 50/41
Rear axle oscillation	±°	15
Ground clearance	mm	600
at oscillation	0	15

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	Α	1 000
Alternator rating	W/A	2 280 / 80
Starter motor output	kW	7

Brake system

Service brake: Volvo dual-circuit system with nitrogen charged accumulators. Outboard mounted hydraulically operated, fully sealed oil circulation-cooled wet disc brakes. The operator can select automatic disengagement of the transmission when braking using Contronic. 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

Number of brake discs per wheel front/rear	2/1
Accumulators	I 2 x 1.0 + 1 x 0.5

Cab

Ventilation

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 residence.

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.

m³/min

Emergency exit: Use emergency hammer to break window

	,	
Heating capacity	kW	16
Air conditioning (optional)	kW	7.5
Sound Level		
Sound pressure level in cab according to ISO 639	16	
L_pA	dB	70
External sound level according to ISO 6395		
L _{WA}	dB	109

Hydraulic System

System supply: Two load-sensing axial piston pumps with variable displacement. The steering function always has priority.

Valves: Double-acting 2-spool valve. The main valve is electro operated.

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 ediugately to the total position. 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 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	29
Flow	l/min	252
at	MPa	10
engine speed	r/min	1 900
Working pressure maximum, pump 2 for steering-, brake-, pilot- and working hydraulic system	MPa	31
Flow	l/min	202
at	MPa	10
engine speed	r/min	1 900
Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	25
Flow	l/min	83
at	MPa	10
engine speed	r/min	1 900
Pilot system, working pressure	MPa	3.5
Cycle times		
Lift	s	6.8
Tilt	s	1.6
Lower, empty	S	3.2
Total cycle time	s	11.6

Steering system

Steering system: Load-sensing hydrostatic articulated steering. System supply: The steering system has priority feed from a loadsensing axial piston pump with variable displacement.

Steering cylinders: Two double-acting cylinders.

Steering cylinders		2
Cylinder bore	mm	100
Rod diameter	mm	60
Stroke	mm	525
Working pressure	MPa	21
Maximum flow	l/min	202
Maximum articulation	±°	37

Service Refill

Service accessibility: Large, easy-to-open hood covering whole engine compartment, electrically operated. Fluid filters and component breather air filters promote long service intervals. A quick-fit adapter on the hydraulic tank provides faster hydraulic oil fill. Possibility to monitor, log and analyze data to facilitate troubleshooting.

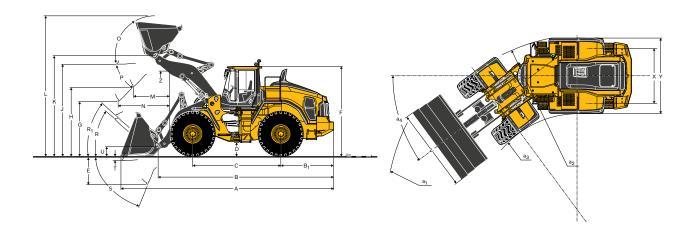
Fuel tank	I	366
DEF/AdBlue® tank	1	31
Engine coolant	1	55
Hydraulic oil tank	1	226
Transmission oil	I	48
Engine oil	1	50
Axle oil front	I	77
Axle oil rear	1	71

Lift Arm System

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

Lift cylinders		2
Cylinder bore	mm	190
Piston rod diameter	mm	90
Stroke	mm	768
Tilt cylinder		1
Cylinder bore	mm	250
Piston rod diameter	mm	120
Stroke	mm	455

Specifications



DIMENSIONS

Tires: 29.5 R25 L3 Tire deflection: standard

			L220K			
		Unit	Standard boom	Long boom		
В	Overall length w/o bucket / attachm. bracket	mm	7 490	7 810		
В1	Rear overhang	mm	2 240	2 240		
С	Wheel base	mm	3 700	3 700		
D	Ground clearance	mm	520	510		
F	Height to top of ROPS	mm	3 710	3 710		
G	Specific height for reach (N)	mm	2 132	2 133		
J	Lift height under level bucket	mm	4 230	4 590		
K	Height to hinge pin	mm	4 640	5 010		
0	Rollback angle, max., fully raised	o	56	56		
P_{max}	Dump angle, max., fully raised	0	48	48		
R	Rollback angle, max., at ground level	0	43	44		
R ₁ *	Rollback angle at SAE carry position	0	47	49		
S	Digging angle, max.	o	65	63		
Т	Digging depth	mm	125	131		
U	Hinge pin height at carrying position	mm	590	670		
Χ	Track width	mm	2 400	2 400		
Υ	Machine width over tire	mm	3 150	3 150		
Z	Max. load-over height	mm	4 040	4 370		
a₂	Turning radius outer circle	mm	7 100	7 100		
аз	Turning radius inner circle	mm	3 960	3 960		
a4	Max. articulation	±°	37	37		

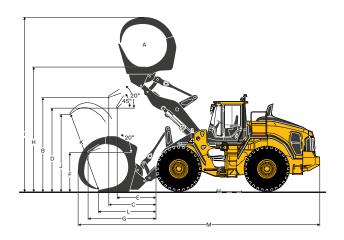
^{*} Carry position SAE

Bucket: WLA87132 5.2 m³ GP STE P BOE

Sales code: WLA80852

Operating weight (incl. logging cw 870 kg): 33 800 kg Operating load: 10 080 kg

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



DIMENSIONS		
ires: 875/65 R29 L4		
	Unit	L220K
A Grapple Area	m²	4.0
B Dumping clearance at max. HPH, dump 20°	mm	3 900
C Dumping reach at max. HPH, dump 20°	mm	2 270
D Dumping clearance at max. HPH, dump 45°	mm	3 140
E Dumping reach at max. HPH, dump 45°	mm	1 780
F Dumping clearance at parallel lifting arm pos.	mm	1 620
G Dumping reach at parallel lifting arm pos.	mm	3 230
H Max. dumping clearance	mm	5 330
Overall operating height	mm	7 700
J Height upper clamp at K	mm	3 620
Max. opening width	mm	3 940
L Reach at ground position	mm	2 650
M Overall machine length	mm	10 410

Specifications

L220K											
Tires 29.5 R25 L3		REHANDLING (1)		GENERAL PURPOSE			ROCK (2)	LIGHT MATERIAL	LONG BOOM		
											-
		WLA86759	WLA86760	WLA86761	WLA86758	WLA87132	WLA87135	WLA87137	WLA87526	WLA93450	-
		5.6 m³ STE P BOE	5.9 m³ STE P BOE	6.3 m³ STE P BOE	6.3 m³ STE H BOE	5.2 m³ STE P BOE	5.6 m³ STE P T SEG	6.0 m³ STE P T SEG	5.0 m³ SPN P T SEG	8.2 m³ LM P BOE	-
Volume, heaped ISO/ SAE	m³	5.6	5.9	6.3	6.3	5.2	5.6	6.0	5.0	8.2	-
Volume at 110% fill factor	m³	6.2	6.5	6.9	6.9	5.7	6.2	6.6	5.5	9.0	-
Static tipping load, straight	kg	25 150	24 990	24 810	23 950	23 770	23 410	23 540	24 370	22 740	-2 830
at 35° turn	kg	22 340	22 190	22 020	21 210	21 150	20 790	20 900	21 660	20 160	-2 600
at full turn	kg	22 020	21 870	21 700	20 900	20 850	20 500	20 600	21 360	19 860	-2 580
Breakout force	kN	229	223	215	205	241	233	236	194	191	+3.3
A Overall length	mm	9 270	9 320	9 390	9 480	9 180	9 480	9 450	9 740	9 590	+310
E Digging depth, max dump (S)	mm	1 470	1 510	1 570	1 650	1 400	1 650	1 630	1 860	1 750	-20
H ⁽³⁾ Dump clearance	mm	3 160	3 130	3 080	3 080	3 220	3 020	3 040	2 870	2 910	+360
L Overall operating height	mm	6 360	6 410	6 470	6 520	6 370	6 440	6 590	6 350	6 450	+360
M ⁽³⁾ Dump reach	mm	1 400	1 430	1 480	1 610	1 340	1 540	1 520	1 730	1 610	-30
N ⁽³⁾ Reach at 45° discharge, pos. G	mm	2 100	2 120	2 150	2 190	2 070	2 180	2 170	2 300	2 180	+270
V Bucket width	mm	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 430	3 700	0
Outer clearance circle (diameter)	mm	15 810	15 830	15 870	15 920	15 760	15 920	15 910	16 120	16 250	+260
Operating weight without load	kg	32 480	32 580	32 690	33 100	31 550	31 810	31 920	33 850	32 120	+380

 $^{^{} ext{\scriptsize{(1)}}}$ Measured with additional counterweight.

Note: This only applies to genuine Volvo attachments.

⁽²⁾ Measured with 29.5 R25 L5 tires.

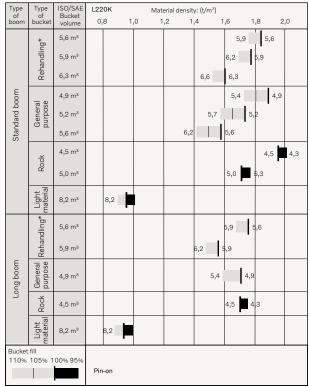
 $^{^{(3)}}$ Measured to the tip of the bucket teeth or bolt-on edge. Dump height to bucket edge measured at 45° dump angle.

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 5.2 m³ bucket carries 5.5 m³. For optimum stability always consult the bucket selection chart.

Material	Bucket	t fill, %	Material density, t/m³	ISO/SAE bucket volume, m³	Actual volume, m³
Earth/Clay	~ 110		~ 1.6 ~ 1.5 ~ 1.4	4.9 5.2 5.4	~ 5.4 ~ 5.7 ~ 5.9
Sand/ Gravel	~ 105	\bigcirc	~ 1.7 ~ 1.6 ~ 1.5	4.9 5.2 5.4	~ 5.1 ~ 5.5 ~ 5.7
Aggregate	~ 100	\bigcirc	~ 1.8 ~ 1.7 ~ 1.6	5.6 5.9 6.3	~ 5.6 ~ 5.9 ~ 6.3
Rock	≤100		~ 1.7	4.5	~ 4.5

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

* Including counterweight

SUPPLEMENTAL OPERATING DATA										
Tires 29.5 R25 L3	Unit	Standard boom			Long boom					
		29.5 R25 L4	29.5 R25 L5	875/65 R29 L4	29.5 R25 L4	29.5 R25 L5	875/65 R29 L4			
Width over tires	mm	+20	+60	+120	+20	+60	+120			
Ground clearance	mm	+30	+50	-10	+30	+50	-10			
Tipping load, full turn	kg	+500	+1 290	+560	+460	+1 190	+510			
Operating weight	kg	+710	+1 780	+1 010	+720	+1 790	+1 020			

Equipment

STANDARD EQUIPMENT

Engine

Exhaust after-treatment system

Two stage air cleaner, primary and secondary filter

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

Smart control

Indicator glass for transmission oil level

Differentials: Front, 100% diff lock with Automatic Traction Control. Rear, conventional.

Optishift with Lock-up, RBB

Lock-up first gear

Electrical system

24V, pre-wired for optional accessories

Alternator 24V/130A/3479W

Battery disconnect (service) switch

Electric horn

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)

Dual LED reversing strobe lights

STANDARD EQUIPMENT

Dynamic Instrument Cluster

8-inch dynamic instrument cluster display

Fuel consumption

Diesel Exhaust Fluid/AdBlue consumption

Ambient temperature

Clock

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:

uel level

Diesel Exhaust Fluid/AdBlue level

Engine oil level

Engine coolant level

Transmission oil level

Hydraulic oil level

Washer fluid level

Climate control temperature and fan speed

Speed indicator

Engine revolutions per minute indicator

Engine torque reduction in case of malfunction indication:

High engine coolant temperature

High engine oil temperature Low engine oil pressure

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

Start interlock when gear is engaged

Integrated Volvo Co-Pilot

12.8-inch High Definition vertical Co-Pilot display

Machine integration

Machine information

Machine settings

Service information

Service mode

Smart View with rear view camera

Climate controls

Radio and media (with Bluetooth and USB connection)

Load Assist portfolio

Operator Coaching Start

Toolbox applications

Remote support

Help center (digital operator's manual)

STANDARD EQUIPMENT

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

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

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, 24V power outlet

Lockable door

Cab heating with fresh air inlet and defroster

Fresh air inlet with two filters

Automatic heat control

Floor mat

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 wipers front and rear

Interval function for front and rear wipers

STANDARD EQUIPMENT

Service and Maintenance

Engine oil remote drain and fill

Volvo High Performance oil filters with 1,000 hours service interval

Transmission oil remote drain and fill

Quick-fit transmission oil change

Lubrication manifolds, ground accessible

Pressure check connections: transmission and hydraulic, quick-connects

Quick-fit hydraulic oil fill

Service platform on the front frame

Tool box, lockable

External equipment

Orange hand rails

Fenders, front and rear

Reflecting stickers (decals), machine contour and cab

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

Equipment

OPTIONAL EQUIPMENT

Engine

Air pre-cleaner, cyclone type

Air pre-cleaner, oil-bath type

Air pre-cleaner, turbo type II

Air pre-cleaner, turbo type III

Engine auto shutdown

Engine delayed shutdown

Engine block heater 230V/110V

Fuel fill strainer

Fuel heater

Hand throttle control

Max. fan speed, hot climate

Radiator, corrosion-protected

Reversible cooling fan

Reversible cooling fan and axle oil cooler

Drivetrain

Automatic Traction Control 100% diff lock, front & rear

Speed limiter

Wheel/axle seal guards

Electrical system

Anti-theft device

Emergency stop

Locking device, Tag out Lock out

License plate holder, lighting

Rear view mirrors, Long arm

Rear view mirrors, adjustable, el.heated, Long arm

Reduced function working lights, reverse gear activated

Reverse alarm, audible

Reverse alarm, white noise

Seatbelt indicator, external

Shortened headlight support brackets

Side marker lamps

Site services enabled

Warning beacon LED

Warning beacon LED automatic

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

LED Intense package

Headlights, assymetric Left, LED

Headlights, assymetric Right, LED

Working lights, attachments, LED

Electrical distribution unit 24 volt

Parking brake alarm, audible for air susp seats

Jump start connector, ISO-Type

Max Boom height

Can Bus Interface

OPTIONAL EQUIPMENT

Integrated Volvo Co-Pilot

Tire pressure monitoring system

Handsfree telephone

Smart View

Smart View with 360°

Smart View with radar detect system

Forward camera

Dual forward cameras

Collision Mitigation System

Load Assist portfolio

Load Assist OBW

Load Assist Task Modes

Operator Coaching Advanced

Site Operations

Connected Map

Load Ticket

File Upload

Performance indicators

Task Manager

Media player

Hydraulic System

Boom suspension system

Separate attachment locking

Arctic kit, for 3rd function

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
Single lever control, hydraulics 2 functions

Single lever control, hydraulics 3 functions

Single lever control, hydraulics 4 functions

Brake system

Oil cooler and filter front & rear axle

OPTIONAL EQUIPMENT

Cab

Anchorage for Operator's manual

Automatic Climate Control, ACC

ACC control panel, with Fahrenheit scale

Asbestos dust protection filter

Ashtray

Cab air pre-cleaner, cyclone type

Carbon filter

Cover plate, under cab

Lunch box holder

Volvo Armrest, operator's seat, left

Operator's seat, Mechanical ISRI, 2pt seat belt

Operator's seat, Volvo Air Suspension, Heavy Duty, 2pt seat belt

Operator's seat, Volvo Air Suspension, 2pt seat belt

Operator's seat, Volvo Air Suspension, 3pt seat belt

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

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

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

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

Subwoofer

Steering wheel knob

Sun blinds, rear windows

Sun blinds, side windows

Timer cab heating

Window, sliding, door

Universal door/ignition key

Remote door opener

Forward view mirrors

Cab heater power outlet 240V

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

Grease nipple guards

Oil sampling valve

Quick engine oil change

Refill pump for grease to lube system

Tool kit

Wheel nut wrench kit

CareTrack, GSM, GSM/Satellite

Telematics, Subscription

Belly guard front

Belly guard rear

Cover plate, heavy-duty, front frame

Cover plate, rear frame

Cab roof, heavy-duty

Guards for front headlights

Guards for radiator grill

Guards for tail lights

Windows, side and rear guards

Windshield guard

Corrosion protection, painting of machine

Option for machines without dinitrol

OPTIONAL EQUIPMENT

Wheel/Tires

29.5 R25

875/65 R29

External equipment

Cab ladder, rubber-suspended

Escape Ladder, left fender

Handles on counterweight

Deleted front mudguards

Fire suppression system

Mudguards, full cover, front and rear for 80-series tires

Mudguards, full cover, front and rear for 65-series tires

Long boom

Tow hitch

Other equipment

CE-marking

Comfort Drive Control (CDC)

Counterweight, logging

Counterweight, signal painted, chevrons

Sound decal, EU

Sound decal, USA

Noise reduction kit, exterior

Block Handler package

Log Loader package

Rehandler package

Scrap Handler package

Slag Handler package

Waste Handler package

Attachments

Buckets:

Rock straight or spade nose

General purpose Rehandling

Side dump

Light material

High tip

Refuse

Wear parts:

Bolt-on and weld-on bucket teeth

Segments

Cutting edge in three sections, bolt-on

Fork equipment

Material handling arm

Log grapples Log pusher

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