

V O L V O



Volvo Wheel Loaders 34-39 t 416 hp

# L260

Volvo Construction Equipment

# L260

**A leader in its class, the L260 is primed for productivity in rehandling, quarrying and mining projects.**



## **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.
- Z-Bar 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

# Make light work of big projects

Take productivity to the next level in large-scale rehandling, quarrying and mining projects thanks to the perfect combination of power, performance and intelligent solutions. Designed to deliver faster cycle times, maximum payload and unrivalled operator comfort, the L260 has Volvo quality running throughout every detail – delivering durability and safety you can count on. Combine that with a range of Volvo smart solutions including Load Assist, On-Board Weighing and Load Ticket, and the L260 is primed to deliver outstanding results.

## The operator's choice



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

## 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



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

## Ultimate performance across a range of segments



- Quarry / Aggregate
- Rehandling
- Block handling
- Tunneling
- Mining
- Slag handling
- Waste & Recycling
- 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°
- Collision 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 function which automatically returns the bucket to level from both dump and curl positions, enhancing operator performance.

## 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 CO<sub>2</sub> 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 an 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 L260 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 working with rock bucket, side-dump bucket, general purpose bucket, slag handling, rehandling, light material buckets and more.



# Volvo L260 in detail

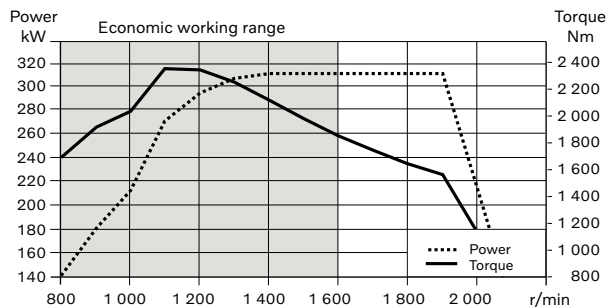
## Engine

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	1 400 - 1 900
ECE R120 net	kW	310
	hp	422
ISO 9249, SAE J1349 net	kW	309
	hp	420
Max. torque at	r/min	1 100
ECE R120 net	Nm	2 343
ISO 9249, SAE J1349 net	Nm	2 328
Economic working range	r/min	800 - 1 600
Displacement	l	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	HTL310
Torque multiplication, stall ratio		2.02:1
<b>Maximum speed, forward/reverse</b>		
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		29.5R25 L4
Front axle/rear axle		AWB 50B / 41
Rear axle oscillation	± °	15
Ground clearance	mm	540
at oscillation	°	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	A	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 fully hydraulic operated, fully sealed oil circulation-cooled wet disc brakes. The operator can select automatic declutch of the transmission when braking by a switch on the instrument panel.

**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 front/rear		2/1
Accumulators	l	2 x 1.0 + 1 x 0.5
Accumulators for parking brake	l	1 x 0.5

## 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 suspension and retractable seatbelt. The seat is mounted on a bracket on the rear cab wall. The forces from the retractable seatbelt are absorbed by the seat rails.

**Standard:** 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 CO<sub>2</sub>-eq

Ventilation	m <sup>3</sup> /min	9
Heating capacity	kW	16
Air conditioning (optional)	kW	7.5

## Sound Level

Sound pressure level in cab according to ISO 6396

L <sub>pA</sub>	dB	70
External sound level according to ISO 6395		
L <sub>WA</sub>	dB	109

## 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.  
**Lift function:** The valve has three positions; raise, hold and lower 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 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	29.0 ± 0.5
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	31.0 ± 0.5
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	25.0 ± 0.5
Flow	l/min	83
at	MPa	10
engine speed	r/min	1 900
Pilot system, working pressure	MPa	3.2 - 4.0
<b>Cycle times</b>		
Lift	s	7.1
Tilt	s	1.9
Lower, empty	s	4.1
Total cycle time	s	13.1

## Steering system

**Steering system:** Load-sensing, hydrostatic articulated steering.  
**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	90
Rod diameter	mm	60
Stroke	mm	525
Working pressure	MPa	26
Maximum flow	l/min	202
Maximum articulation	± °	37

## Service Refill

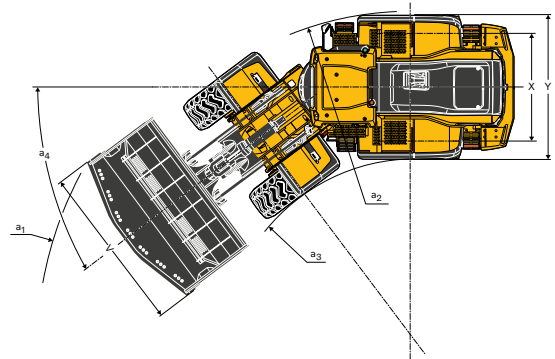
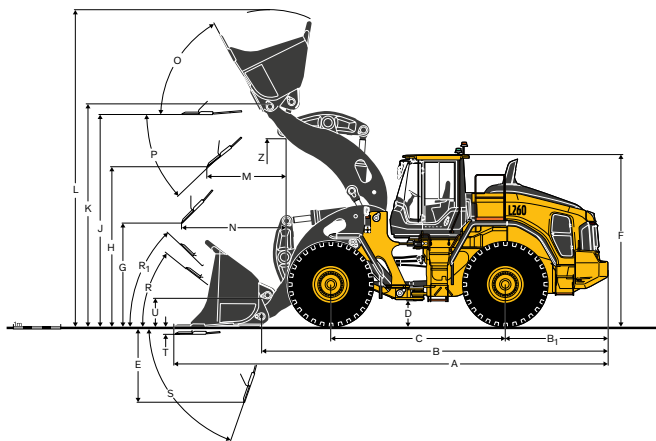
**Service accessibility:** Large, easy-to-open hood covering whole engine compartment, electrically operated. Fluid filters and component breather air filters promote long service intervals. A quick-fit adapter on the hydraulic tank provides faster hydraulic oil fill. Possibility to monitor, log and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

Fuel tank	l	366
DEF/AdBlue® tank	l	31
Engine coolant	l	55
Hydraulic oil tank	l	226
Transmission oil	l	48
Engine oil	l	50
Axle oil front	l	78
Axle oil rear	l	80

## Lift Arm System

	Z-bar	
Lift cylinders		2
Cylinder bore	mm	190
Piston rod diameter	mm	110
Stroke	mm	873
Tilt cylinder		1
Cylinder bore	mm	220
Piston rod diameter	mm	120
Stroke	mm	570

# Specifications



## DIMENSIONS

Tires : 875/65 R29 L3

	Unit	L260K	
		Standard boom	Long boom
B Overall length w/o bucket / attachm. bracket	mm	7 590	7 860
B <sub>1</sub> Rear overhang	mm	2 240	2 240
C Wheel base	mm	3 800	3 800
D Ground clearance	mm	540	530
F Height to top of ROPS	mm	3 730	3 730
G Specific height for reach (N)	mm	2 134	2 133
J Lift height under level bucket	mm	4 410	4 760
K Height to hinge pin	mm	4 640	5 000
O Rollback angle, max., fully raised	°	62	57
P <sub>max</sub> Dump angle, max., fully raised	°	39	42
R Rollback angle, max., at ground level	°	39	42
R <sub>1</sub> * Rollback angle at SAE carry position	°	47	50
S Digging angle, max.	°	70	77
T Digging depth	mm	67	137
U Hinge pin height at carrying position	mm	490	580
X Track width	mm	2 400	2 400
Y Machine width over tire	mm	3 260	3 260
Z Max. load-over height	mm	3 860	4 250
a <sub>2</sub> Turning radius outer circle	mm	7 310	7 310
a <sub>3</sub> Turning radius inner circle	mm	4 050	4 050
a <sub>4</sub> Max. articulation	±°	37	37










\* Carry position SAE

Bucket: WLA86782 7.3 m³ STE FF P BOE

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



**L260K**

Tires 875/65 R29 L3		REHANDLING <sup>(1)</sup>				GENERAL PURPOSE <sup>(2)</sup>			ROCK <sup>(3)</sup>	LIGHT MATERIAL <sup>(2)</sup>	LONG BOOM <sup>(1)</sup>
											-
		WLA86764	WLA86765	WLA86782	WLA87146	WLA87150	WLA87533	WLA87532	WLA87534	WLA54067748	-
		6.9 m <sup>3</sup> STE P BOE	7.3 m <sup>3</sup> STE P BOE	7.3 m <sup>3</sup> STE FF P BOE	6.4 m <sup>3</sup> STE P BOE	6.8 m <sup>3</sup> STE P T SEG	5.9 m <sup>3</sup> STE RO P T SEG	5.5 m <sup>3</sup> SPN P T SEG	6.4 m <sup>3</sup> SPN P T SEG	10.2 m <sup>3</sup> LM P BOE	-
Volume, heaped ISO/SAE	m <sup>3</sup>	6.9	7.3	7.3	6.4	6.8	5.9	5.5	6.4	10.2	-
Volume at 110% fill factor	m <sup>3</sup>	7.6	8.0	8.0	7.0	7.5	6.5	6.1	7.0	11.2	-
Static tipping load, straight	kg	28 870	28 630	28 890	27 140	26 790	27 690	27 290	26 760	25 270	-3 480
at 35° turn	kg	25 690	25 440	25 690	24 160	23 800	24 660	24 250	23 740	22 350	-3 170
at full turn	kg	25 320	25 080	25 330	23 820	23 460	24 310	23 900	23 400	22 020	-3140
Breakout force	kN	290	283	284	304	300	301	263	244	229	-25.3
A Overall length	mm	9 420	9 470	9 430	9 350	9 640	9 620	9 890	10 050	9 890	+320
E Digging depth, max dump (S)	mm	1 680	1 720	1 710	1 620	1 880	1 850	2 100	2 240	2 140	+100
H <sup>(4)</sup> Dump clearance	mm	3 260	3 230	3 260	3 300	3 110	3 140	2 970	2 870	3 060	+290
L Overall operating height	mm	6 610	6 650	6 640	6 450	6 480	6 570	6 490	6 630	6 850	+350
M <sup>(4)</sup> Dump reach	mm	1 650	1 680	1 710	1 610	1 800	1 760	1 970	2 070	2 150	-110
N <sup>(4)</sup> Reach at 45° discharge, pos. G	mm	2 320	2 340	2 220	2 300	2 400	2 370	2 490	2 540	2 470	+260
V Bucket width	mm	3 580	3 650	3 650	3 580	3 650	3 650	3 650	3 650	3 700	0
a <sub>1</sub> Outer clearance circle (diameter)	mm	16 230	16 320	16 290	16 190	16 410	16 410	16 570	16 660	16 580	+220
Operating weight without load	kg	35 260	35 420	35 230	33 870	34 100	35 460	35 730	35 990	34 920	+480

<sup>(1)</sup> Measured with additional counterweight and 875/65 R29 L3 tires.

<sup>(2)</sup> Measured with 29.5 R25 L4 tires.

<sup>(3)</sup> Measured with 29.5 R25 L5 tires.

<sup>(4)</sup> 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.

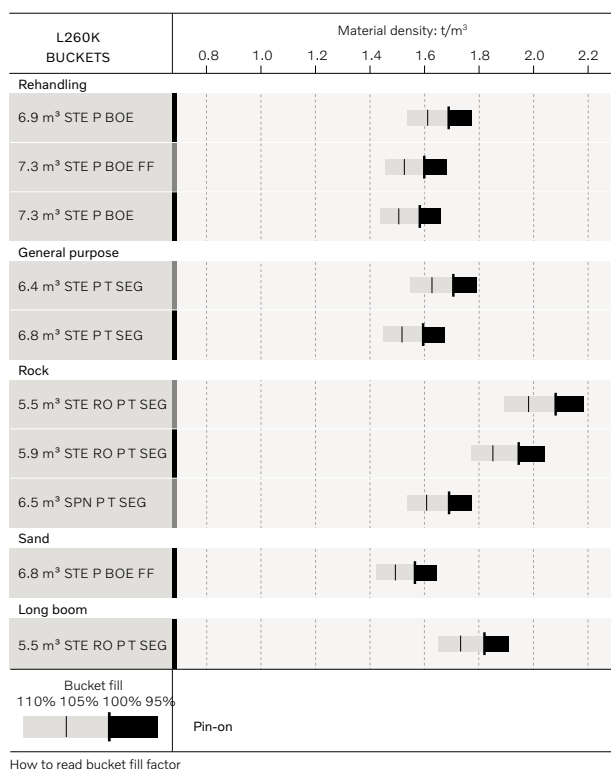
# Specifications

## Bucket Selection Chart

The volume handled varies with the bucket fill and is often greater than indicated by the bucket's ISO/SAE volume. The table shows optimum bucket choice with regard to the material density.

Material	Bucket fill, %	Material density, t/m <sup>3</sup>
Earth	110 - 115	1.4 - 1.6
Clay	110 - 120	1.4 - 1.6
Sand	100 - 110	1.6 - 1.9
Gravel	100 - 110	1.7 - 1.9
Rock	75 - 100	1.5 - 1.9

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 875/65 R29 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	-90	-50	+10	-90	-50	+10
Ground clearance	mm	+20	+20	-30	+20	+20	0
Tipping load, full turn	kg	-50	+720	-30	-30	+660	+170
Operating weight	kg	-230	+840	+70	-230	+840	+70



# Equipment

## STANDARD EQUIPMENT

### Engine

Exhaust after-treatment system
Two stage air 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
Smart control
Indicator glass for transmission oil level
Differentials: Front, 100% diff lock with Automatic Traction Control. Rear, conventional.
OptiShift transmission 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:

Fuel 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
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
Fuel filter, extra
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
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 services enabled
Site Operations
Connected Map
Load Ticket
File Upload
Performance indicators
Task Manager
Media player

### Hydraulic System

Boom suspension system
Boom cylinder hose and tube guards
Hydraulic fluid, biodegradable, Volvo
Hydraulic fluid, fire-resistant
Hydraulic fluid, for hot climate
Mineral oil for cold climate
Hydraulic 3rd function
Single lever control, hydraulics 2 functions
Single lever control, hydraulics 3 functions

### Brake system

Oil cooler and filter front & rear axle
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OPTIONAL EQUIPMENT
<b>Cab</b>
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
<b>Service and Maintenance</b>
Automatic lubrication system
Cleaner kit, with air blow gun
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
<b>Wheel/Tires</b>
29.5 R25
875/65 R29

OPTIONAL EQUIPMENT
<b>Protective equipment</b>
Belly guard front
Belly guard rear
Belly guard rear, oil pan
Center hinge and rear frame guard
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
<b>External equipment</b>
Cab ladder, rubber-suspended
Handles on counterweight
Deleted front mudguards
Fire suppression system
Fire extinguisher
Fire extinguisher , two pieces
Mudguards, full cover, front and rear
Mudguards, full cover wideners and prot. Included
Long boom
Tow hitch
<b>Other equipment</b>
CE-marking
Comfort Drive Control (CDC)
Counterweight, re-handling
Counterweight, signal painted, chevrons
Sound decal, EU
Sound decal, USA
Noise reduction kit, exterior
Rock Loader package
Rehandler package
Slag Handler package
<b>Attachments</b>
Buckets:
Rock straight or spade nose
General purpose
Rehandling
Side dump
Light material
Wear parts:
Bolt-on and weld-on bucket teeth
Segments
Cutting edge in three sections, bolt-on

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**