

V O L V O



Volvo Wheel Loaders 27.0-28.4 t 337 hp

L180

Volvo Construction Equipment

L180

Boost productivity and efficiency in rehandling, material handling, earthmoving and more. Faster cycle times, intelligent solutions, robust performance.



Fast cycle times



- Second generation load sensing hydraulics
- One of the highest hinge pin height in its class
- Increased hydraulic pump flow
- Bucket leveling function
- Entirely Volvo powertrain
- Reduced steps between gears for faster acceleration and smooth operation
- Volvo Torque Parallel Linkage
- Volvo Attachments

Efficient and profitable operations



- Powerful and efficient engine
- Second generation OptiShift
- Direct lock-up gear change
- 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

Boost productivity and efficiency with every load

Designed for maximum performance in a variety of segments including rehandling, material handling and earthmoving applications, the Volvo L180 Wheel Loader is your trusted partner for efficiency and reliability – building on a history of more than 70-years of Volvo Wheel Loader innovation. Engineered for fast cycle times, superior operator comfort and robust durability; take your productivity to the next level with intelligent features like Load Assist, On-Board Weighing, and Load Ticket, ensuring precision, uptime, and profitability.

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



- Rehandling
- Block handling
- Log loading
- Slag handling
- Quarry / Aggregate
- 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, and one of the highest hinge pin heights in its class for increased dump clearance.

An increased hydraulic pump capacity and flow is 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, direct lock-up gear change, 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 L180 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 L180 in detail

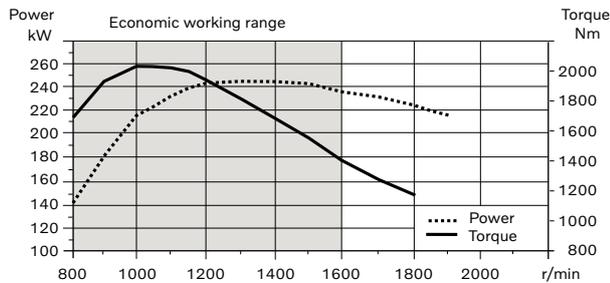
Engine

V-ACT Stage II, 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	D13F
Max. power at	rpm	1 300 - 1 400
ECE R120 net	kW	251
	hp	341
ISO 9249, SAE J1349 net	kW	250
	hp	340
Max. torque at	rpm	1 000
ECE R120 net	Nm	2 071
ISO 9249, SAE J1349 net	Nm	2 065
Economic working range	rpm	800 - 1 600
Displacement	lit	12.8



Drivetrain

Torque converter: The single-stage torque converter with lockup and direct lockup shifting between gears provides seamless transitions and enhanced performance.

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 fixed front axle features a 100% differential lock, while the oscillating rear axle offers an optional limited-slip differential.

Transmission	Volvo HTL 223
Torque multiplication, stall ratio	2.09:1

Maximum speed, forward/reverse

1st Gear	km/h	6.1
2nd Gear	km/h	12.6
3rd Gear	km/h	23.5
4th Gear	km/h	38
Measured with tires		26.5 R25 L3

Front axle/rear axle	Volvo/AWB	40B/40B
Rear axle oscillation	±°	15
Ground clearance	mm	490
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 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 3450.

Number of brake discs per wheel front/rear	1/1
Accumulators	lit 2 x 1.0 + 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 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	m ³ /min	9
Heating capacity	kW	16
Air conditioning (optional)	kW	7.5

Sound level

Sound level in cab according to ISO 6396 - L _{pA}	dB	70
External sound level (ISO 6395 and EU Noise Directive 2000/14/EC) - L _{WA}	dB	108

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 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	rpm	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	rpm	1 900
Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	25
Flow	l/min	83
at	MPa	10
engine speed	rpm	1 900
Pilot system, working pressure	MPa	35
Cycle times		
Lift	s	6.4
Tilt	s	1.8
Lower, empty	s	3.3
Total cycle time	s	11.5

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	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.

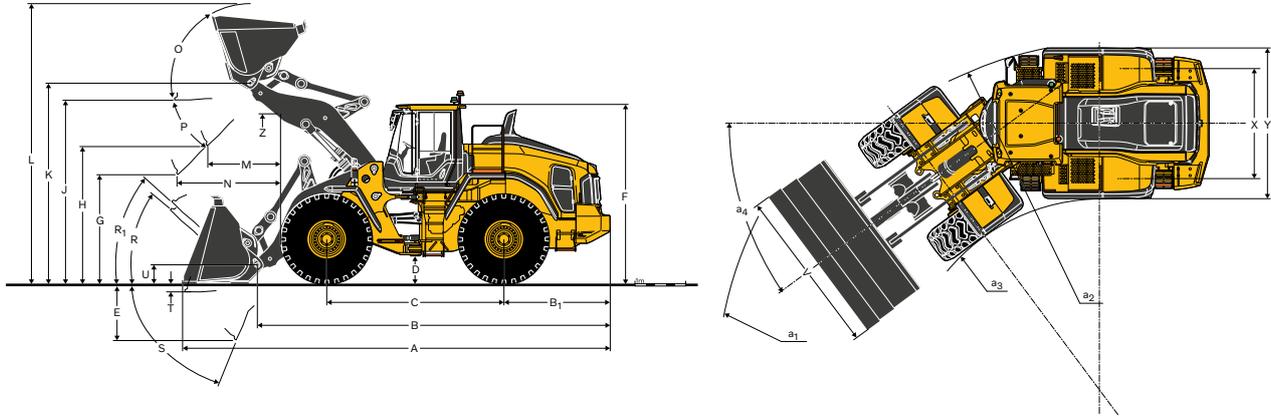
Fuel tank	lit	366
Engine coolant	lit	55
Hydraulic oil tank	lit	156
Transmission oil	lit	48
Engine oil	lit	50
Axle oil front	lit	46
Axle oil rear	lit	55

Lift Arm System

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

Lift cylinders		2
Lift Cylinder bore	mm	180
Lift Cylinder Piston rod diameter	mm	90
Lift Cylinder Stroke	mm	806
Tilt cylinder		1
Tilt Cylinder bore	mm	240
Tilt Cylinder Piston rod diameter	mm	120
Tilt Cylinder Stroke	mm	480

Specifications



DIMENSIONS

Tires: 26.5 R25 L3

	Unit	L180K	
		Standard boom	Long boom
B Overall length w/o bucket / attachm. bracket	mm	7 200	7 630
B ₁ Rear overhang	mm	2 240	2 240
C Wheel base	mm	3 550	3 550
D Ground clearance	mm	490	480
F Height to top of ROPS	mm	3 590	3 580
G Specific height for reach (N)	mm	2 134	2 134
J Lift height under level bucket	mm	4 170	4 680
K Height to hinge pin	mm	4 590	5 090
O Rollback angle, max., fully raised	°	57	55
P _{max} Dump angle, max., fully raised	°	46	46
R Rollback angle, max., at ground level	°	44	48
R ₁ * Rollback angle at SAE carry position	°	48	53
S Digging angle, max.	°	71	63
T Digging depth	mm	134	216
U Hinge pin height at carrying position	mm	570	660
X Track width	mm	2 280	2 280
Y Machine width over tire	mm	2 960	2 960
Z Max. load-over height	mm	3 810	4 170
a ₂ Turning radius outer circle	mm	6 790	6 790
a ₃ Turning radius inner circle	mm	3 820	3 820
a ₄ Max. articulation	±°	37	37

* Carry position SAE

Bucket: WLA87118 4.8 m³ GP STE BOE

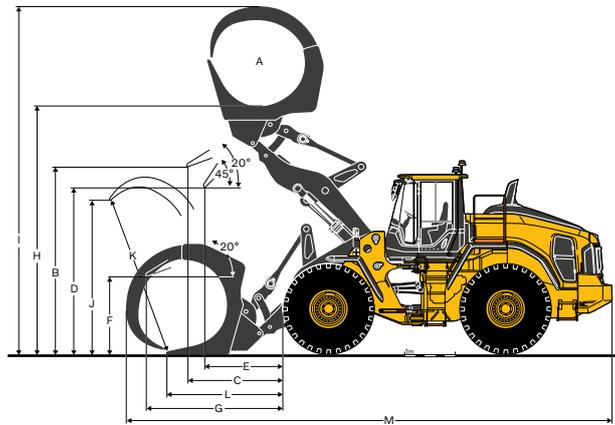
Grapples:

Sales code: WLA80027

Operating weight (incl. logging cw 1 140 kg): 29 200 kg

Operating load: 8 710 kg

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



DIMENSIONS

Tires: 775/65 R29 L3

		Unit	L180K
A	Grapple area	m ²	3.5
B	Dumping clearance at max. HPH, dump 20°	mm	3 980
C	Dumping reach at max. HPH, dump 20°	mm	2 030
D	Dumping clearance at max. HPH, dump 45°	mm	3 270
E	Dumping reach at max. HPH, dump 45°	mm	1 600
F	Dumping clearance at parallel lifting arm pos.	mm	1 700
G	Dumping reach at parallel lifting arm pos.	mm	3 040
H	Max. dumping clearance	mm	5 290
I	Overall operating height	mm	7 730
J	Height upper clamp at K	mm	3 370
K	Max. opening width	mm	3 720
L	Reach at ground position	mm	2 410
M	Overall machine length	mm	9 990

Specifications

L180K

		REHANDLING ⁽¹⁾				GENERAL PURPOSE			ROCK ⁽²⁾	LIGHT MATERIAL	LONG BOOM
											-
Tires 26.5 R25 L3		WLA86752	WLA86754	WLA86755	WLA86757	WLA87106	WLA87113	WLA87118	WLA87518	WLA92117	-
		4.8 m ³ STE P BOE	5.2 m ³ STE P BOE	5.5 m ³ STE P BOE	5.8 m ³ STE H BOE	4.4 m ³ STE P T SEG	4.6 m ³ STE P T SEG	4.8 m ³ STE P BOE	4.2 m ³ SPN P T SEG	7.8 m ³ LM P BOE	-
Volume, heaped ISO/SAE	m ³	4.8	5.2	5.5	5.8	4.4	4.6	4.8	4.2	7.8	-
Volume at 110% fill factor	m ³	5.3	5.7	6.1	6.4	4.8	5.1	5.3	4.6	8.6	-
Static tipping load, straight	kg	23 820	23 710	23 540	22 600	21 720	21 650	21 650	22 760	20 650	-3 810
at 35° turn	kg	21 170	21 050	20 890	20 010	19 320	19 250	19 250	20 190	18 300	-3 480
at full turn	kg	20 860	20 750	20 590	19 710	19 050	18 970	18 980	19 900	18 030	-3 440
Breakout force	kN	225	224	216	199	236	232	226	212	174	+4.0
A Overall length	mm	8 900	8 900	8 970	9 110	9 010	9 040	8 890	9 190	9 360	+470
E Digging depth, max dump (S)	mm	1 430	1 430	1 490	1 620	1 530	1 560	1 420	1 690	1 860	+30
H ⁽³⁾ Dump clearance	mm	3 180	3 170	3 130	3 110	3 100	3 080	3 180	2 990	2 850	+510
L Overall operating height	mm	6 220	6 210	6 280	6 380	6 220	6 260	6 290	6 350	6 420	+510
M ⁽³⁾ Dump reach	mm	1 210	1 210	1 260	1 450	1 300	1 320	1 200	1 410	1 540	-20
N ⁽³⁾ Reach at 45° discharge, pos. G	mm	1 960	1 960	1 990	2 040	2 010	2 020	1 960	2 080	2 050	+410
V Bucket width	mm	3 200	3 400	3 400	3 400	3 200	3 200	3 200	3 230	3 400	0
a ₁ Outer clearance circle (diameter)	mm	15 040	15 230	15 260	15 330	15 110	15 120	15 040	15 240	15 480	+340
Operating weight without load	kg	28 550	28 640	28 750	29 160	27 390	27 450	27 440	29 190	27 880	+310

⁽¹⁾ Measured with additional counterweight.

⁽²⁾ Measured with 26.5 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.

Note: This only applies to genuine Volvo attachments.

Bucket Selection Chart

The chosen bucket is determined by the density of the material and the expected bucket fill factor. The actual bucket volume is often larger than the rated capacity, due to the features of the TP linkage, including an open bucket design, good rollback angles in all positions and good bucket filling performance. The example represents a standard boom configuration. Example: Sand and gravel. Fill factor ~ 105%. Density 1.6 t/m³. Result: The 4.6 m³ bucket carries 4.8 m³. For optimum stability always consult the bucket selection chart.

Material	Bucket fill, %		Material density, t/m ³	ISO/SAE bucket volume, m ³	Actual volume, m ³
Earth/Clay	~ 110		~ 1.7	4.4	~ 4.8
		~ 1.6	4.6	~ 5.1	
		~ 1.5	4.8	~ 5.3	
Sand/Gravel	~ 105		~ 1.7	4.4	~ 4.6
		~ 1.6	4.6	~ 4.8	
		~ 1.5	4.8	~ 5.1	
Aggregate	~ 100		~ 1.8	5.2	~ 5.2
		~ 1.7	5.5	~ 5.5	
		~ 1.6	5.8	~ 5.8	
Rock	≤ 100		~ 1.7	4.3	~ 4.3

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

Type of boom	Type of bucket	ISO/SAE Bucket volume	Material density: (t/m ³)							
			0,8	1,0	1,2	1,4	1,6	1,8	2,0	
Standard boom	Rehandling*	5,2 m ³						5,5	5,2	
		5,5 m ³					5,8	5,5		
		5,8 m ³				6,1	5,8			
	General purpose	4,4 m ³						4,8	4,4	
		4,6 m ³					5,1	4,6		
		4,8 m ³					5,3	4,8		
Rock	4,2 m ³						4,2	4,0		
Light material	7,8 m ³	7,8								
Long boom	Rehandling*	4,8 m ³						5,0	4,8	
		5,2 m ³					5,5	5,2		
	General purpose	4,4 m ³						4,8	4,4	
		4,2 m ³							4,2	4,0
	Rock	4,2 m ³							4,2	4,0
	Light material	7,8 m ³	7,8							

Bucket fill
110% 105% 100% 95%



Pin-on

How to read bucket fill factor

* Including counterweight

SUPPLEMENTAL OPERATING DATA

Tires 26.5 R25 L3	Unit	Standard boom			Long boom		
		26.5 R25 L4	26.5 R25 L5	775/65 R29 L3	26.5 R25 L4	26.5 R25 L5	775/65 R29 L3
Width over tires	mm	+10	+30	+170	+10	+30	+170
Ground clearance	mm	+20	+30	+10	+20	+30	+10
Tipping load, full turn	kg	+350	+800	+590	+300	+670	+510
Operating weight	kg	+490	+1 470	+770	+490	+1 470	+770

Equipment

STANDARD EQUIPMENT

Engine

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% hydraulic diff lock. Rear, conventional.

Optishift with Lock-up, RBB

Direct lock-up shifting

Lock-up first gear

Electrical system

24 V, pre-wired for optional accessories

Alternator 24 V / 130 A / 3 479 W

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)

STANDARD EQUIPMENT

Dynamic Instrument Cluster

8-inch dynamic instrument cluster display

Fuel consumption

Ambient temperature

Clock

Warning and indicator lights:

Battery charging

Parking brake

Warning and display message:

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

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

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, 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

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

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

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 230 V / 110 V
 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

Wheels and tires

26.5 R25
 775/65 R29
 875/65 R29

Drivetrain

Diff lock front 100%, Limited Slip 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
 Dual LED reversing strobe lights
 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 rear view camera
 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

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
 Stainless steel, brake lines

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 240 V
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
Corrosion protection, painting of attachment bracket
Option for machines without dinitrol
Bucket Teeth protection

OPTIONAL EQUIPMENT
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
Reflecting stickers (decals), machine contour and cab
Noise reduction kit, exterior
Block Handler package
Log Loader package
Rehandler package
3-Pass 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