VOLVO



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 seat - 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 30º or 70º 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 & 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, 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 CO_2 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.

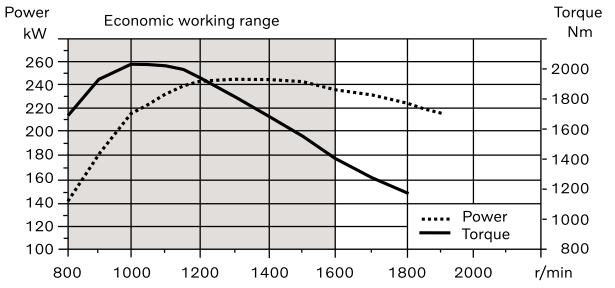
A comprehensive range of attachments designed to work in perfect harmony provide the ideal match of machine and attachment to succeed across applications including rehandling, log loading, slag handling, block handling and more.

Volvo L180 in detail

Engine

V-ACT Stage 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	251
	hp	341
ISO 9249, SAE J1349 net	kW	250
	hp	340
Max. torque at	r/min	1 000
ECE R120 net	Nm	2 071
ISO 9249, SAE J1349 net	Nm	2 065
Economic working range	r/min	800 - 1 600
Displacement	l	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	l	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 CO_2-eq.

Emergency exit: Use emergency hammer to break window

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

Sound Level

Sound pressure level in cab according to ISO 6396		
L_{pA}	dB	70
External sound level according to ISO 6395		
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	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	6.4
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 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.

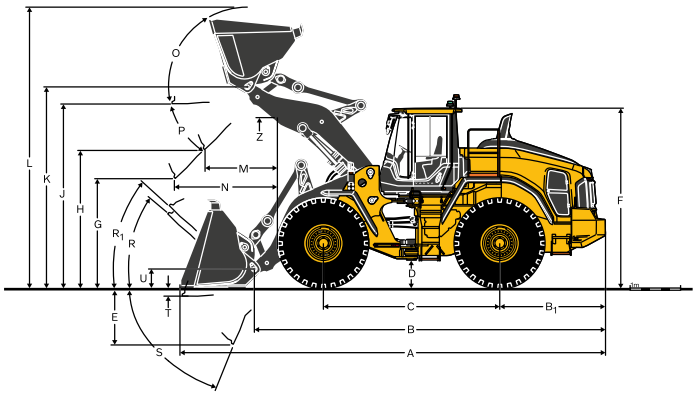
Fuel tank	l	366
DEF/AdBlue® tank	l	31
Engine coolant	l	55
Hydraulic oil tank	l	156
Transmission oil	l	48
Engine oil	l	50
Axle oil front	l	46
Axle oil rear	l	55

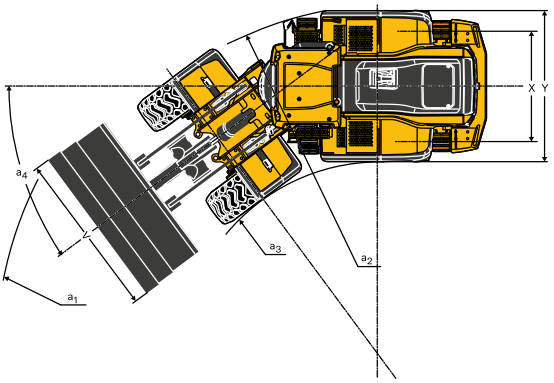
Lift Arm System

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

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

Specifications





DIMENSIONS

Tires: 26.5 R25 L3.

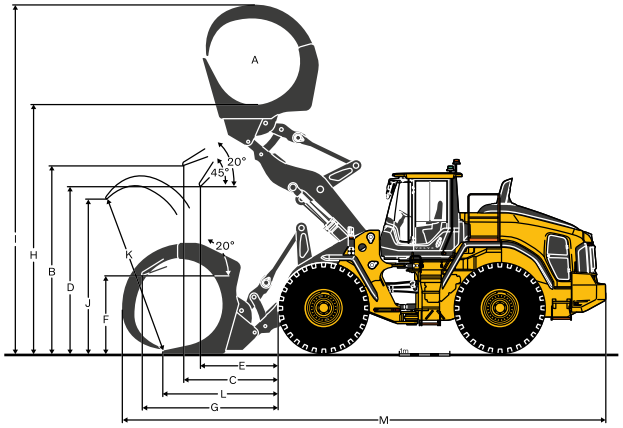
		Unit	L180K	
			Standard boom	Long boom
B	Overall length w/o bucket / attachm. bracket	mm	7 200	7 630
B_1	Rear overhang	mm	2 240	2 240
C	Wheel base	mm	3 550	3 550
D	Ground clearance	mm	490	480
F	Height to top of ROPS	mm	3 590	3 580
G	Specific height for reach (N)	mm	2 134	2 134
J	Lift height under level 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	m²	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 m³ STE P BOE	**5.2 m³ STE P BOE**	**5.5 m³ STE P BOE**	**5.8 m³ STE H BOE**	**4.4 m³ STE P T SEG**	**4.6 m³ STE P T SEG**	**4.8 m³ STE P BOE**	**4.2 m³ SPN P T SEG**	**7.8 m³ LM P BOE**	-
Volume, heaped ISO/ SAE		m³	4.8	5.2	5.5	5.8	4.4	4.6	4.8	4.2	7.8	-
Volume at 110% fill factor		m³	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.

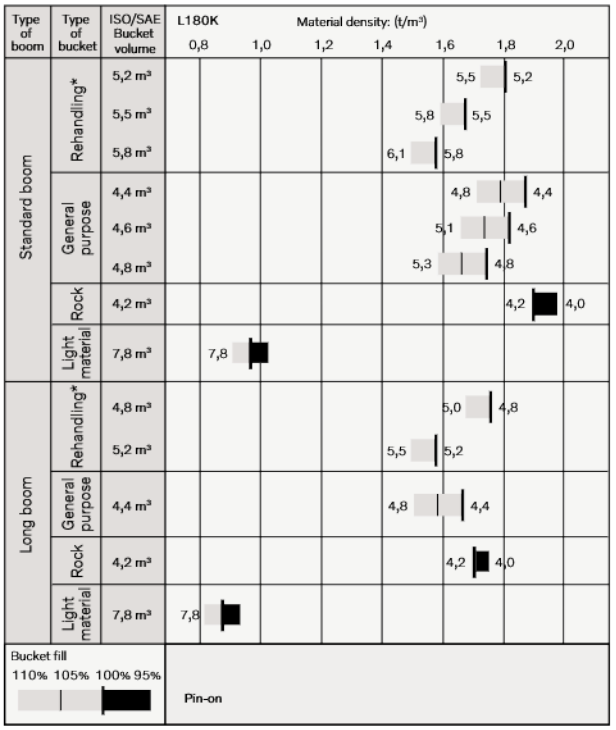
Note: This only applies to genuine Volvo attachments.

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/m³	ISO/SAE bucket volume, m³	Actual volume, m³
Earth/Clay	~ 110		~ 1.7 ~ 1.6 ~ 1.5	4.4 4.6 4.8	~ 4.8 ~ 5.1 ~ 5.3
Sand/ Gravel	~ 105		~ 1.7 ~ 1.6 ~ 1.5	4.4 4.6 4.8	~ 4.6 ~ 4.8 ~ 5.1
Aggregate	~ 100		~ 1.8 ~ 1.7 ~ 1.6	5.2 5.5 5.8	~ 5.2 ~ 5.5 ~ 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.



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

- 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% hydraulic diff lock. Rear, conventional.
- Optishift with Lock-up, RBB
- Lock-up first gear

Electrical system

- 24V, pre-wired for optional accessories
- 12.8-inch High Definition vertical Co-Pilot display
- 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

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

OPTIONAL EQUIPMENT

Wheel/Tires

- 26.5 R25
- 775/65 R29
- 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
- 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.

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