

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

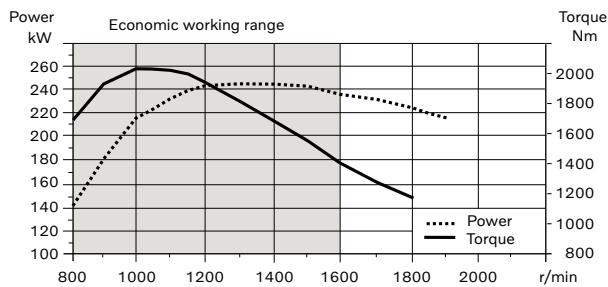
Engine

V-ACT Stage 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	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	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: Contrinsic 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	3640 / 130
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 Contrinsic.

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 Contrinsic 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
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Flow	l/min	252
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at	MPa	10
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engine speed	rpm	1 900
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Working pressure maximum, pump 2 for steering-, brake-, pilot- and working hydraulic system	MPa	31
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Flow	l/min	202
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at	MPa	10
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engine speed	rpm	1 900
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Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	25
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Flow	l/min	83
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at	MPa	10
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engine speed	rpm	1 900
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Pilot system, working pressure	MPa	3.5
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Cycle times

Lift	s	6.4
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Tilt	s	1.8
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Lower, empty	s	3.3
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Total cycle time	s	11.5
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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
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Cylinder bore	mm	100
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Rod diameter	mm	60
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Stroke	mm	525
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Working pressure	MPa	21
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Maximum flow	l/min	202
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Maximum articulation	±°	37
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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
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DEF/AdBlue® tank	lit	31
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Engine coolant	lit	55
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Hydraulic oil tank	lit	156
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Transmission oil	lit	48
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Engine oil	lit	50
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Axle oil front	lit	46
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Axle oil rear	lit	55
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Lift Arm System

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

Lift cylinders		2
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Lift cylinder bore	mm	180
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Lift cylinder piston rod diameter	mm	90
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Lift cylinder stroke	mm	806
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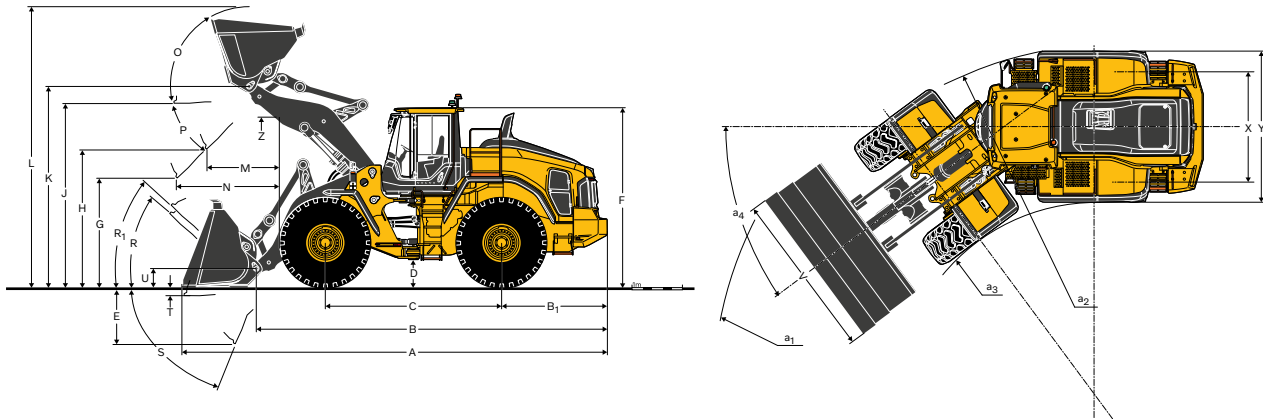
Tilt cylinder		1
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Tilt cylinder bore	mm	240
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Tilt cylinder piston rod diameter	mm	120
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Tilt cylinder stroke	mm	480
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Specifications



DIMENSIONS

Tires: 26.5 R25 L3.

	Unit	L180	
		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

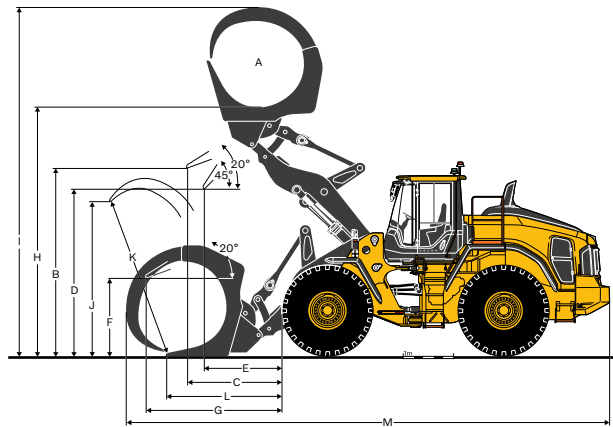
Grapples:

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	L180
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

L180

		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

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
 8-inch dynamic instrument cluster display
 Fuel consumption
 Diesel Exhaust Fluid/AdBlue consumption
 Ambient temperature

STANDARD EQUIPMENT

Dynamic Instrument Cluster

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

STANDARD EQUIPMENT
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)
12.8-inch High Definition vertical Co-Pilot display
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

STANDARD EQUIPMENT
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
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.

V O L V O