



L250H

VOLVO WHEEL LOADERS 73,600-86,000 lbs (33.4-39.0 t) 389 hp (290 kW)



A passion for performance.

At Volvo Construction Equipment, we're not just coming along for the ride. Developing products and services that raise productivity – we are confident we can lower costs and increase profits for customers around the globe. Part of the Volvo Group, we are passionate about innovative solutions to help you work smarter – not harder.



Doing more with less is a trademark of Volvo Construction Equipment. High productivity has long been married to low energy consumption, ease of use and durability. When it comes to lowering life-cycle costs, Volvo is in a class of its own.

Designed to fit your needs.

There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology – but it doesn't always have to. Some of our best ideas have been simple, based on a clear and deep understanding of our customers' working lives.





You learn a lot in 180 years.

Over the years, Volvo has advanced solutions that have revolutionized the use of construction equipment. No other name speaks Safety louder than Volvo. Protecting operators, those around them and minimizing our environmental impact are traditional values that continue to shape our product design philosophy.

We're on your side.

We back the Volvo brand with the best people. Volvo is truly a global enterprise, one that is on standby to support customers quickly and efficiently – wherever they are.

We have a passion for performance.













Volvo Trucks

Renault Trucks























Mack Trucks UD Trucks











Volvo Financial Services



An efficient operation.

Innovation is at the core of Volvo Construction Equipment. That's why our engineers are developing clever innovations to make equipment more fuel efficient while reducing emissions and environmental impact. OptiShift technology – a unique technical advancement which reduces fuel consumption by up to 18% and increases performance in wheel loaders – is just one example of this.

Reverse By Braking (RBB)

The Volvo patented RBB function senses the loader's direction and slows the machine down automatically by applying the service brakes when the operator changes direction between forward and reverse or the other way around. This increases fuel efficiency and improves operator comfort. RBB is ideal for short cycle or truck loading applications.

Intelligent hydraulics

Volvo's load-sensing hydraulics supply power to the hydraulic functions on demand, lowering fuel consumption. The powerful system ensures fast response for shorter cycle times while delivering smooth operation through superior control of both the load and the attachment.



Eco pedal

Volvo's unique eco pedal applies mechanical push-back force when the accelerator is used excessively and engine rpm is about to exceed the economic operating range. This encourages the operator to ease off the throttle, reducing fuel consumption.

Fully loaded.

The new L250H from Volvo is a high production machine designed to increase your productivity and profitability in applications including quarry, aggregates, mining and heavy infrastructure. Experience short cycle times, high breakout force and excellent controllability with this heavy-duty machine.

Z-bar linkage

Volvo's proven Z-bar linkage provides high breakout force for strong, powerful digging. The high lift capacity enables fully loaded buckets to be elevated to maximum height. Fast hydraulic speeds deliver quick load cycles, increasing productivity even in the toughest environments.



Boom Suspension System

The optional Boom Suspension System (BSS) boosts productivity by up to 20% by absorbing shock and reducing the bouncing and bucket spillage that occurs when operating on rough ground. This enables faster and more comfortable work cycles and increases machine life.





Heavy-duty for tough applications

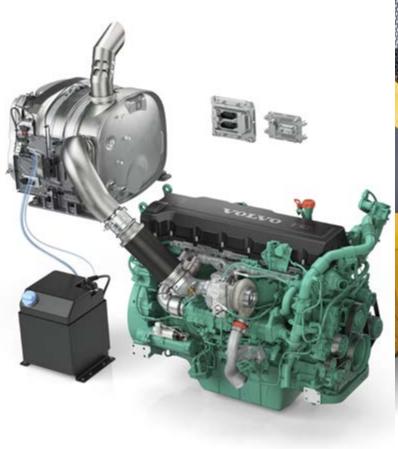
If you're looking for a strong, durable and reliable wheel loader to handle heavy-duty applications then look no further than the L250H. Powered by a premium Volvo Tier 4 Final/Stage IV engine, this robust machine provides the strength and reliability you need to optimize your operation.

Volvo engine

Featuring advanced technology and built on decades of experience, the powerful Volvo Tier 4 Final/Stage IV engine delivers high performance and low fuel consumption. During the fully automatic regeneration process, particulate matter collected in the DPF is burnt off without interrupting operation, performance or productivity.

Reversible cooling fan

The hydraulically-driven, electronically controlled cooling fan regulates the temperature of the vital components. It increases the revs only when needed – reducing fuel consumption and noise. The reversible functionality – which blows air in the opposite direction – allows for self-cleaning of the cooling units.





Axle oil cooling

Both the front and the rear axle has an axle oil circulation feature which allows for better cooling.

Smart service access.

At Volvo we know that on site, time means money. That's why the L250H is fitted with a tilting cab – a feature which significantly improves service and maintenance access to give you more uptime. This is just one example of the many time-saving features Volvo incorporates into its machines. Trust Volvo to maintain your uptime.

Maintenance-free batteries

Two heavy-duty, maintenance-free 12V batteries in series provide a 24V electrical system. The batteries are located in a well-sealed compartment on the right side of the machine.

Lubrication system

The optional, automatic lubrication system controls greasing when the machine is in operation, resulting in more uptime and reduced maintenance. The operator can alter the amount of grease needed to suit the application.



Maintenance-free rear axle cradles/trunnions

The rear axle is supported on maintenance-free cradles and includes lubricated for life bearings and bushings – reducing overall service cost, increasing machine uptime and ensuring long life.

Engine access

Electrically activated, the wide-opening engine hood allows quick and easy service access to the engine and components for maximum uptime.





Volvo cab

Volvo's industry-leading, certified ROPS/ FOPS cab features ergonomically placed controls, low internal noise levels, vibration protection and ample storage space.



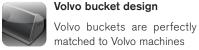
OptiShift

Volvo's OptiShift technology reduces fuel consumption by up to 18%, increases

operator comfort and reduces stress in the drivetrain.

Z-bar linkage

Volvo's proven Z-bar linkage provides high breakout and lifting force.



Volvo bucket design

matched to Volvo machines - together they work in harmony as one solid, reliable unit to deliver maximum productivity.



The BSS boosts productivity by up to 20% by absorbing shock and reducing the bouncing and bucket spillage that occurs when operating at speed in rough terrain.

Intelligent hydraulics

Volvo's load-sensing hydraulics supply power to the hydraulic functions according to demand, lowering fuel consumption.



Powertrain

The ideally-matched, all-Volvo powertrain has been built to work together in perfect

balance - ensuring optimized performance.



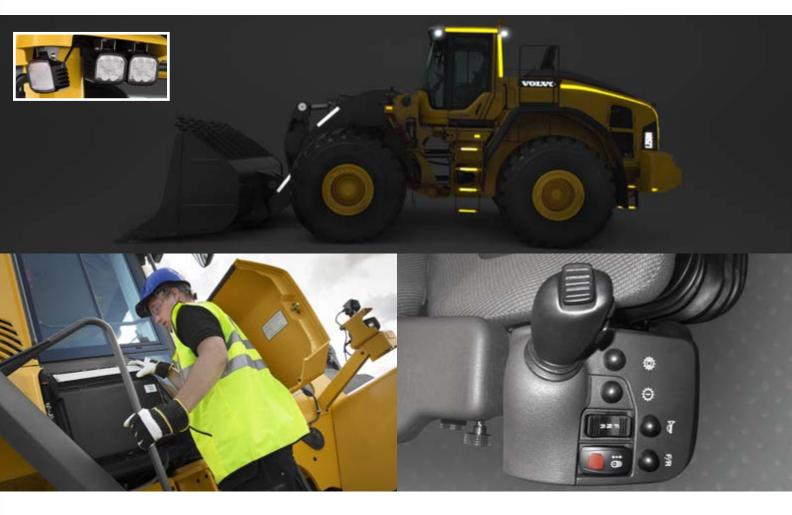


Comfort increases productivity.

Spacious, comfortable, safe and quiet – those are just some of the words that describe Volvo's industry-leading cab. With ideally located controls, a comfortable seat and ample space for storage, it's no wonder that operators feel content and productive throughout the shift in a Volvo.

Visibility

Volvo offers a variety of options to improve safety and visibility when working in the dark. This includes reflectors which follow the contour of the machine, LED entrance lights which illuminate the cab for safe entry and exit and additional LED work lamps which increase visibility around the machine.



Cab air filter

The cab air intake is located high on the machine, where air is cleanest. The easy-to-replace pre-filter separates coarser dust and particles before the air passes through the main filter and finally enters the cab. Volvo's industry-leading design allows 90% of the cab air to be recirculated through the main filter for continuous dust removal.

Single lever control (option)

For ease of operation, the optional, multi-functional joystick gives the operator simultaneous and precise control of the hydraulic functions.

Adding value to your business.

Being a Volvo customer means having a complete set of services at your fingertips. Volvo can offer you a long-term partnership, protect your revenue and provide a full range of customer solutions using high quality parts, delivered by passionate people. Volvo is committed to increasing the positive return on your investment and maximizing uptime.



Complete Solutions

Volvo has the right solution for you. So why not let us provide all your needs throughout the whole life cycle of your

machine? By listening to your requirements, we can reduce your total cost of ownership and increase your revenue.



Genuine Volvo Parts

Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. Parts are extensively tested and approved because every part is vital for uptime and performance. Only by using Genuine Volvo Parts, can you be sure that your machine retains the renowned Volvo quality.

Service Network

In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

The power of CareTrack.

Care Track is the Volvo Construction Equipment telematics system that gives you access to a wide range of machine monitoring information designed to save you time and money. With Care Track you can reduce fuel costs, optimize machine and operator performance and pro-actively manage service and maintenance to maximize uptime. Stay connected to your machines via remote monitoring and experience new levels of control and efficiency with Care Track.

Save time

Pro-actively manage your machines and increase your uptime by planning service and maintenance requirements in advance with CareTrack. The system strengthens the relationship between dealer and customer, helping you to maximize machine availability and avoid potential problems. Through CareTrack it's possible for your local Volvo dealer to troubleshoot faults remotely – minimizing service time.



Keeping track of your machines with CareTrack allows you to optimize productivity and save money. Through operational reports you can identify excessive idle time – information that gives you the power to reduce fuel consumption, non-productive machine hours and service costs.



"CareTrack really helps us with our downtime. It alerts us via email directly to critical personnel's phones so they can respond immediately. A lot of times we will know of those alerts even before the operator does."

Don Morgan, Vice President

Morgan Contractors Inc., Clarkesville, Tennessee, U.S.A.



Infinite opportunities

CareTrack presents infinite opportunities to help you get the most out of your machine. From fuel consumption data to location and machine usage reports, the system gives you access to a wealth of information – allowing you to take actions that will have a noticeable impact on your business. Begin by making a few simple changes and then discover specific functionalities to unlock further savings.



Volvo L250H in detail.

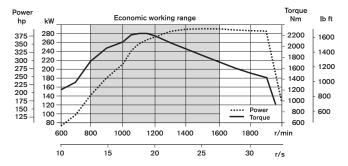
Engine

V-ACT Stage IV/Tier 4F 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 applications is transmitted electrically 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			D13J
Max power at	r/s (r/min)		25.0 (1,500)
SAE J1995 gross	kW / hp		291 (395)
ISO 9249, SAE J1349 net	kW / hp		290 (389)
Max torque at	r/s (r/min)		18.3 (1,100)
SAE J1995 gross	Nm lbf-ft	2 231	1,645
ISO 9249, SAE J1349 net	Nm lbf-ft	2 2 1 6	1,634
Economic working range	r/min		800 - 1,600
Displacement	l in ³	12.8	782



Brake system

Service brake: Volvo dual-circuit system. Outboard-mounted fully hydraulic operated, fully sealed oil circulation-cooled wet disc brakes. Parking brake: Fully sealed, wet multi-disc brake built into the transmission. Applied by spring force, electro-hydraulic release. 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.

Accumulators I US gal $2 \times 1.0 + 1 \times 0.5$ $2 \times 0.26 + 1 \times 0.13$ Number of brake discs per wheel (front)

Electrical system

Central warning system: Contronic system including central warning light and buzzer for following functions: - Serious engine fault - Low steering system pressure - Over speed warning engine - Interruption in communication (computer fault) Central warning light and buzzer with the gear engaged for the following functions. - Low engine oil pressure - High engine oil temperature - High charge air temperature - Low coolant level - High coolant temperature - High crank case pressure - Low transmission oil pressure - High transmission oil temperature - Low brake pressure - Engaged parking brake - Fault on brake charging - Low hydraulic oil level - High hydraulic oil temperature - Overspeeding in engaged gear - High brake cooling oil temperature front and rear axles.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	2 x 170
Cold cranking capacity, approx.	Α	1,000
Alternator rating	W/A	2,280 / 80
Starter motor output	kW	7
Drivetrain		

Torque converter: Single-stage with Lock-Up.

Transmission: Volvo countershaft transmission with Fast and smooth shifting of gears with Pulse Width Modulation (PWM) valve. Torque converter with lockup.

Transmission: Volvo Automatic Power Shift (APS) with fully automatic shifting 1-4 and mode selector with 4 different gear shifting programs.

Axles: Volvo fully floating axle shafts with planetary hub reductions and nodular iron axle housing. Fixed front axle and oscillating rear axle. STD 100% differential lock available when needed on the front axle.

Transmission		Volvo H	HTL307		
Torque multiplicatio			2,094:1		
	1st gear	km/h	mph	7	4.3
Maximum speed,	2nd gear	km/h	mph	11.5	7.1
forward/reverse	3rd gear	km/h	mph	24.5	15.2
	4th gear*	km/h	mph	38	23.6
Measured with tires	3			29,5	R25 L4
Front axle/rear axle				AWB 50)B / 41
Rear axle oscillation	n ±		0		15
Ground clearance a	at 15° osc.	mm	in	600	23.6

*) limited by ECU

Cab

Instrumentation: All important information is visible in the monitoring system display in the operator's field of vision.

Heater and defroster: Heater coil with filtered fresh air and fan with auto and 11 speeds. Defroster vents for all window areas.

Operator's seat: Operator's seat with adjustable suspension and retractable seat belt.

Standard: The cab is tested and approved according to ROPS (ISO 3471), FOPS (ISO 3449). The cab meets with requirements according to ISO 6055 (Operator overhead protection - Industrial trucks) and SAE J386 ("Operator Restraint System").

Sound level in cab according to ISO 6396/SAE J2105										
LpA			70							
External sound level according to ISO 6395/SAE J2104										
LwA	dB(A)									
Ventilation	m³/min	yd³/min	9	11.8						
Heating capacity		kW		16						
Air conditioning (optional)		kW		7.5						
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.

Cylinder bore	mm	in	100	3.9
Piston rod diameter	mm	in	60	2.4
Stroke	mm	in	525	20.7
Working pressure	MPa	bar	21 ± 0.35	210 ± 3.5
Maximum flow	l/min	gal/min	202	53.4
Maximum articulation		±°		37

Service

Service accessibility: Large, easy-to-open hood covering the whole engine department, electrically operated. Fluid filters and component breather air filters promote long service intervals. Possibility to monitor, log and analyze data to facilitate troubleshooting.

Fuel Tank	- 1	gal	366	96.7
DEF Tank	I	gal	31	8.2
Engine coolant	- 1	gal	55	14.5
Hydraulic oil tank	- 1	gal	226	59.7
Transmission oil	- 1	gal	48	12.7
Engine oil	I	gal	50	13.2
Axle oil front/rear	1	gal	78 / 80	20.6 / 21.1

Lift arm system			
Z-bar			
Cylinders lift			2
Cylinder bore	mm	190	7.5
Piston rod diameter	mm	100	3.9
Stroke	mm	873	34.4
Cylinder tilt			1
Cylinder bore	mm	220	8.7
Piston rod diameter	mm	120	4.7
Stroke	mm	570	22.4
Hydraulic system			

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

Valves: Double-acting 2-spool valve. The main valve is controlled by a 2-spool pilot valve.

Lift function: The valve has three positions; raise, hold and lower position. Inductive/magnetic automatic boom kickout can be switched on and off and is adjustable by the operator in cab 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	MPa	bar	29.0 ± 0.5	290 ± 5
Flow	l/min	gal/min	252	66.6
at	MPa	bar	10	100
engine speed		r/s(r/min)		32 (1,900)
Working pressure maximum, pump 2	MPa	bar	31.0 ± 0.5	310 ± 5
Flow	l/min	gal/min	202	53.4
at	MPa	bar	10	100
engine speed		r/s(r/min)		32 (1,900)
Working pressure maximum, pump 3	MPa	bar	25.0 ± 0.5	250 ± 5
Flow	l/min	gal/min	83	21.9
at	MPa	bar	10	100
engine speed		r/s(r/min)		32 (1,900)
Pilot system	MPa	bar	3.2 - 4.0	32 - 40
Cycle times				
Lift		S		7.1
Tilt		S		1.9
Lower, empty		s		4.1
Total cycle time		S		13.1

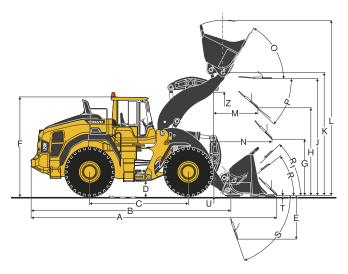
Specifications.

Tires L250H: 29.5 R25 L4 (Tire deflection: Standard)

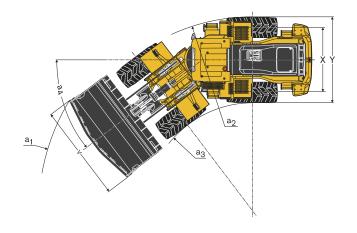
11100		-0.0	Standa	rd boom	Lon	g boom
Α	mm	in	9 490	373.6	9 800	385.8
В	mm	in	7 530	296.5	7 800	307.1
С	mm	in	3 750	147.6	3 750	147.6
D	mm	in	540	21.3	540	21.3
Е	mm	in	1 790	70.5	1 890	74.4
F	mm	in	3 740	147.2	3 730	146.9
F,	mm	in	3 630	142.9	3 630	142.9
F ₂	mm	in	2 850	112.2	2 840	111.8
G	mm	in	2 132	83.9	2 133	84.0
Н	mm	in	3 140	123.6	3 490	137.4
J	mm	in	4 340	170.9	4 700	185.0
K	mm	in	4 640	182.7	5 000	196.9
L	mm	in	6 330	249.2	6 680	263.0
M	mm	in	1 670	65.7	1 640	64.6
N	mm	in	2 340	92.1	2 610	102.8
0		0		62		57
P_2		0		45		45
Р		0		47		47
R		٥		41		43
R ₁		0		48		51
S		٥		75		81
S ₁		0		42		46
T	mm	in	129	5.1	197	7.8
U*	mm	in	540	21.3	620	24.4
V	mm	in	3 580	140.9	3 580	140.9
Χ	mm	in	2 400	94.5	2 400	94.5
Υ	mm	in	3 170	124.8	3 170	124.8
Z	mm	in	3 940	155.1	4 150	163.4
a ₁	mm	in	15 860	624.4	16 060	632.3
a_2	mm	in	7 110	279.9	7 110	279.9
a ₃	mm	in	3 950	155.5	3 950	155.5
a_4		0		37		37
* Carry p	osition SA	λE				

* Carry position SAE

Bucket: 5.7 m³ (7.5 yd³) STE P T SEG



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



L250H

Tires 29.5 R25 L4			F	REHAN	IDLING	à		GEN	ERAL	PURP	OSE				ROC	K***				HT ERIAL		NG OM*
			J								J											
			ST	yd³)	(9.0 STI	m ³ yd ³) E P DE	(7.5 ST	m³ yd³) E P EG	ST	yd³)	ST	yd³)	(7.2 ST	m³ yd³) E P EG	5.5 (7.2 SPI T S	yd³) N P	(7.2 SP	m³ yd³) N P iEG		2 m³ 3 yd³) 1 P		
Volume, heaped ISO/SAE	m ³	yd ³	6.1	8.0	6.9	9.0	5.7	7.5	6.4	8.4	6.4	8.4	5.5	7.2	5.5	7.2	6.0	7.8	10.2	13.3	-	-
Volume at 110% fill factor	m ³	yd^3	6.7	8.8	7.6	9.9	6.3	8.2	7.0	9.2	7.0	9.2	6.1	8.0	6.1	8.0	6.6	8.6	11.2	14.6	-	-
Static tipping load, straight	kg	lb	27 590	60,826	27 260	60,098	25 640	56,527	25 370	55,931	25 601	56,441	26 310	58,004	25 790	56,857	25 350	55,887	24 680	54,410	-3 050	-6,724
at 35° turn	kg	lb	24 520	54,057	24 200	53,352	22 760	50,177	22 500	49,604	22 733	50,118	23 390	51,566	22 860	50,398	22 440	49,472	21 810	48,083	-2 760	-6,085
at full turn	kg	lb	24 170	53,286	23 860	52,602	22 440	49,472	22 180	48,899	22 406	49,398	23 060	50,839	22 530	49,670	22 110	48,744	21 490	47,377	-2 740	-6,041
Breakout force	kN	lbf	311.8	70,095	291.0	65,419	323.4	72,703	298.7	67,150	303.9	68,319	330.9	74,389	277.1	62,295	265.2	59,619	251.9	56,629	-28	-6,295
Α	mm	in	9 230	363.4	9 350	368.1	9 490	373.6	9 600	378.0	9 280	365.4	9 410	370.5	9 740	383.5	9 840	387.4	9 610	378.3	310	12.2
E	mm	in	1 560	61.4	1 670	65.7	1 790	70.5	1 890	74.4	1 600	63.0	1 710	67.3	2 020	79.5	2 1 1 0	83.1	1 930	76.0	100	3.9
H**)	mm	in	3 320	130.7	3 230	127.2	3 140	123.6	3 060	120.5	3 280	129.1	3 200	126.0	2 980	117.3	2 910	114.6	3 010	118.5	350	13.8
L	mm	in	6 490	255.5	6 610	260.2	6 330	249.2	6 440	253.5	6 440	253.5	6 680	263.0	6 680	263.0	6 740	265.4	7 030	276.8	350	13.8
M**)	mm	in	1 520	59.8	1 610	63.4	1 670	65.7	1 750	68.9	1 550	61.0	1 620	63.8	1 860	73.2	1 930	76.0	1 770	69.7	-30	-1.2
N**)	mm	in	2 270	89.4	2 320	91.3	2 340	92.1	2 390	94.1	2 290	90.2	2 320	91.3	2 460	96.9	2 490	98.0	2 390	94.1	270	10.6
V	mm	in	3 580	140.9	3 580	140.9	3 580	140.9	3 580	140.9	3 580	140.9	3 580	140.9	3 580	140.9	3 580	140.9	3 700	145.7	-	-
a ₁ clearance circle	mm	in	15 740	619.7	15 800	622.0	15 860	624.4	15 910	626.4	15 760	620.5	15 830	623.2	16 000	629.9	16 040	631.5	16 060	632.3	-	-
Operating weight	kg	lb	34 560	76,192	34 720	76,544	33 980	74,913	34 120	75,222	33 970	74,891	34 900	76,941	35 280	77,779	35 250	77,713	34 790	76,699	-80	-176

Note: This only applies to genuine Volvo attachments.

*) Measured with 5.7 m³ (7.5 yd³) GP STE P T SEG bucket Note: This or *†) Measured to the tip of the bucket teeth or bolt-on edge.

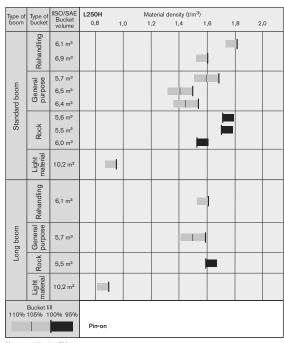
Dump height to bucket edge measured at 45° dump angle. (Spade nose buckets at 42°.) ***) Measured with 29.5 R25 L5 tire

Bucket Selection Chart

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

Material	Bucket fill, %	Material density, t/m ³	Material density, lb/yd³
Earth	110 - 115	1.4 - 1.6	2,360 - 2,697
Clay	110 - 120	1.4 - 1.6	2,360 - 2,697
Sand	100 - 110	1.6 - 1.9	2,697 - 3,203
Gravel	100 - 110	1.7 - 1.9	2,865 - 3,203
Rock	75 - 100	1.5 - 1.9	2,528 - 3,203

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



How to read bucket fill factor

Supplemental Operating Data

			Standard b	oom						
Tires 29.5 R25 L4			29.5 R25	L5	875/65R2	9 L3/L4	29.5 R	25 L5	875/65R2	29 L3/L4
Width over tires	mm	in	35	1.4	95	3.7	35	1.4	95	3.7
Ground clearance	mm	in	40	1.6	-10	-0.4	40	1.6	-20	-0.8
Tipping load, full turn	kg	lb	1 010	2,227	180	397	930	2,050	180	397
Operating weight	kg	lb	1 490	3,284	650	1,433	1 500	3,307	650	1,433

Equipment.

STANDARD EQUIPMENT

Service and maintenance

Engine oil remote drain and fill

Lubrication manifolds, ground accessible

Pressure check connections: transmission and hydraulic, quick connects

Tool box, lockable

CareTrack

Telematics, 3 Year Subscription

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

Crankcase breather oil trap

Exhaust heat insulation

Exterior radiator air intake protection

Electrical system

24 V, pre wired for optional accessories

Alternator 24 V/ 80 A

Battery disconnect switch with removable key

Fuel gauge

Hour meter

Electric horn

Instrument cluster:

Fuel level

Transmission temperature

Coolant temperature

Instrument 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)

Contronic monitoring system

Monitoring and logging of machine data

Contronic display

Fuel consumption

Ambient temperature

Clock

Test function for warning and indicator lights

Test function, sound level at max fan speed

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

Level warnings: Fuel level

22

Engine oil level

Engine coolant level

Transmission oil level

Hydraulic oil level

Washer fluid level

Engine torque reduction in case of malfunction

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

High transmission oil temperature

Slip in transmission clutches

Keypad, background lit

Start interlock when gear is engaged

Drivetrain

Automatic Power Shift

Fully automatic gearshifting, 1 4

PWM controlled gearshifting
Forward and reverse switch by hydraulic lever

Indicator glass for transmission oil level

Differentials: Front, 100% hydraulic diff lock. Rear, conventional

OptiShift

Brake system

Dual brake circuits

Dual brake pedals

Secondary brake system

Parking brake, electrical hydraulic

Brake wear indicators

ROPS (ISO 3471), FOPS (ISO 3449)

Tiltable Cab

Single key kit door/start

Acoustic inner lining

Ashtray

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

Dual interior lights

Interior mirror on the left and reverse camera moni-

Dual exterior rear view mirrors

Sliding window, right side

Tinted safety glass

Retractable seat belt (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

Hydraulic system

Main valve, double acting 2 spool with hydraulic

Variable displacement axial piston pumps (3) for:

1 Working hydraulic system

2 Working hydraulic system, Steering and Brake

3 Cooling fan and Brake system

Electro-hydraulic servo controls

Electric level lock

Boom kick out, automatic

Bucket positioner, automatic Double acting hydraulic cylinders

Indicator glass for hydraulic oil level

Hydraulic oil cooler

External equipment

Fenders, front and rear

Viscous cab mounts Rubber engine and transmission mounts

Easy to open engine hood

Frame, joint lock

Vandalism lock prepared for

Engine compartment

Radiator grille

Lifting eyes

Tie down eyes

Tow hitch

Counterweight, pre drilled for optional guards

OPTIONAL EQUIPMENT

Service and maintenance

Automatic lubrication system Automatic lubrication system for long boom

Grease nipple guards

Oil sampling valve Refill pump for grease to lube system

Tool kit

Cleaner kit, with air blow gun

Wheel nut wrench kit

Air pre-cleaner, cyclone type

Air pre-cleaner, oil-bath type Air pre-cleaner, turbo type

Radiator corrosion protection

Reversible cooling fan and axle oil cooler

Radiator and hydraulic oil cooler, corr. prot.

Engine block heater 230 V/110 V

Fuel fill strainer Hand throttle control

Max. fan speed, hot climate

Reversible cooling fan

Fuel filter, extra Fuel heater

OPTIONAL EQUIPMENT

Electrical system

Alternator 120 amp, heavy-duty

Anti-theft device

Headlights, assym. left

License plate holder, lighting

Rear view camera incl. monitor, color

Rear-view mirrors, adjustable, el. heated

Rear view mirrors, Long arm

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

Reduced function working lights, reverse gear activated

Reverse alarm

Reverse warning light, strobe lighting Shortened headlight support brackets

Side marker lamps

Rotating beacon

Working lights, attachments

Working lights front, high intensity discharge (HID)

Working lights front, on cab, dual

Working lights front, extra

Working lights front, extra, 2 LED lamps

Work lamp, front on cab, 2 LED lamps

Work lamp, front on cab, 4 LED lamps

Work lamp, rear on cab, 2 LED lamps Work lamp, rear on cab, 4 LED lamps

Without work lamp side on cab, std

Work lamp, side on cab, 1 LED lamp

Work lamp, side on cab, 4 LED lamps

Work lamp, rear in grille, 2 LED lamps Work lamp, rear in grille, 4 LED lamps

Work lamp, front above head lamps, 2 LED lamps

Tail Lights LED

Cab

Anchorage for Operator's manual

Automatic Climate Control, ACC

ACC control panel, with Fahrenheit scale

Asbestos dust protection filter

Cab air pre-cleaner, cyclone type

Carbon filter

Cab roof, heavy-duty

Cover plate, under cab

Lunch box holder

Operator's seat, Volvo air susp, heavy-duty, high back, heat, Elservo, not for CDC

Operator's seat, Volvo air susp, heavy-duty,high back,heat, Elservo, for CDC

Armrest, operator's seat, Volvo, left only

Armrest, operator's seat, ISRI, left only

Operator's seat, ISRI, air susp, heat, high back

Radio installation kit incl. 11 amp 12 volt outlet, left side

Radio installation kit incl. 11 amp 12 volt outlet,

Radio installation kit incl. 20 amp 12 volt outlet

Radio with CD-player

Remote door opener

Seat belt, width 75 mm (3")

Steering wheel knob

Sun blinds, rear windows

Sun blinds, side windows

Timer cab heating

Window, sliding, door Universal door/ignition key

Front view mirror

Drivetrain

Diff lock front 100%, Limited Slip rear

Speed limiter, 20 km/h (12.4 mph)

Speed limiter, 30 km/h (18.6 mph)

Speed limiter, 40 km/h (24.8 mph)

Brake system

Oil cooler and filter front & rear axle

Stainless steel, brake lines

Wheel/axle seal guards

Hydraulic system

Boom suspension system

Arctic kit, pilot hoses and brake accum. incl. hydr.

Boom cylinder hose and tube guards

Boom cylinder hose and tube guards for long boom

Hydraulic fluid, biodegradable, Volvo

Hydraulic fluid, fire-resistant

Hydraulic fluid, for hot climate

Electro-hydraulic function, 3rd

Electro-hydraulic function, 3rd for long boom

Electro-hydraulic servo controls for long boom

External equipment

Cab ladder, rubber-suspended

Deleted front mudguards

Mudguard widener, front/rear for 80-series tires

Mudguard widener, front/rear for 65-series tires

Fire suppression system

Mudguards, full cover, rear for 80-series tires

Mudguards, full cover, rear for 65-series tires Long boom

Protective equipment

Belly guard front

Belly guard rear

Belly guard rear, oil pan

Cover plate, heavy-duty, front 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

Bucket Teeth protection

Other equipment

CE-marking

Reflecting stickers (decals), machine contour

Reflecting stickers (stripes), machine contour Cab

Comfort Drive Control (CDC)

Counterweight, re-handling Counterweight, signal painted, chevrons

Secondary steering with automatic test function

Sound decal, EU

Year of manufacturing plate

Sign 50 Km/h

Sign, slow moving vehicle

CareTrack, GSM

CareTrack, GSM/Satellite Tires

29.5 R25

875/65 R29

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Comfort Drive Control (CDC)



Auto-lube



Front / Rear-view

camera



Fire suppressions system



Seat options



Boom Suspension System (BSS)



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.

