



Volvo Wheel Loaders 50.0-56.3 t 532 hp

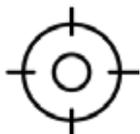
L350H

Volvo Construction Equipment

L350H



Better, faster, stronger



Built for demanding jobs

- Reinforced upper center hinge bearing
- Updated frames to accommodate new Volvo transmission and axles
- Heavy-duty axles with fully floating shafts planetary hub reduction
- Proven Z-bar lifting arm with double sealing on each of the pins
- Range of Volvo Attachments



Faster and more fuel efficient

- Up to 10% more productive with new lift/tilt cylinders and increased hydraulic working pressure
- Up to 15% greater fuel efficiency thanks to 3rd generation OptiShift
- Increased tractive force up to 22%, depending on machine gear and engaged speed
- Optimized gear shifting ratio
- Rimpull control
- Compatible with HVO alternative fuel



Operator in focus

- Remote-controlled door opening
- Choice of seats available with a 3-point seatbelt
- Secondary steering system
- Comfort Drive Control lever steering
- Choice of three hydraulic modes
- Bucket leveling function
- Electrically adjusted heated rearview mirrors (Option)
- Rearview camera, radar detect system (Option)



Load Assist

- Suite of apps accessed from the 10" Volvo Co-Pilot display
- On-Board Weighing
 - Operator Coaching
 - Tire Pressure Monitoring System



More uptime

- 4 000-hour (or 18 months) axle oil change intervals, made possible by the external axle oil cooler with filtration
- Engine side hood panels, easily accessed cooling package
- Breather filters
- Maintenance-free rear axle trunnion bearings
- Automatic lubrication system (Option)



Volvo Services: boost your profits

- Productivity and Fuel Efficiency Reports
- ActiveCare
- Operator Training Program
- Volvo Site Simulation
- Maintenance and Repair agreements
- Genuine Volvo Parts

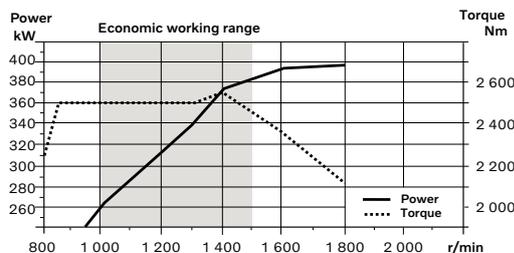
Volvo L350H in detail

Engine

Engine: V-ACT Stage III A/Tier 3, 16 liter, 6-cylinder in-line turbocharged, air-to-air intercooler diesel engine with double rockers and Internal Exhaust Gas Recirculation (I-EGR). One-piece cylinder head with four valves per cylinder and one overhead camshaft. The engine has wet replaceable cylinder liners and replaceable valve guides and valve seats. Mechanically actuated electronically controlled unit injectors. The throttle application is transmitted electrically from the throttle pedal.

Air cleaning: Three stage cyclone pre-cleaner - primary filter - secondary filter.
Cooling system: Hydrostatic, electronically controlled fan and intercooler of the air-to-air type.

Engine	Volvo	D16E
Max. power at	rpm	1 700 - 1 800
ECE R120 net	kW	397
	hp	532
ISO 9249, SAE J1349 net	kW	395
	hp	530
Max. torque at	rpm	1 400
ECE R120 net	Nm	2 550
ISO 9249, SAE J1349 net	Nm	2 547
Economic working range	rpm	1 000 - 1 500
Displacement	lit	16.1



Electrical System

Central warning system: Contrinsic electrical system with central warning light and buzzer for following functions: - Serious engine malfunction - Low steering system pressure - Overspeed warning engine - Interruption in communication (computer error)

Central warning light and buzzer with 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 crankcase pressure - Low transmission oil pressure - High transmission oil temperature - Low brake pressure - Engaged parking brake - Brake charging failure - 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	3 640 / 130
Starter motor output	kW	7

Drivetrain

Torque converter: 3-element, 1-stage, 2-phase torque converter with Lock-Up function.

Transmission: Volvo countershaft transmission with Electronic Controlled Modulation (ECM) for fast and smooth shifting of 4 gears forward and reverse. Volvo Automatic Power Shift (APS) gear shifting system with fully automatic shifting 1-4 and mode selector with 4 different gear shifting programs, including AUTO mode. Also equipped with Rimpull control to avoid wheel spin and optimize bucket filling.

Axles: Fully floating axle shafts with double planetary-type heavy duty hub reductions. Fixed front axle and oscillating rear axle.

Optional: Limited-slip differentials in front and rear axle.

Transmission	HTL 500	
Torque multiplication, stall ratio	2.45	
Maximum speed, forward/reverse		
1st gear	km/h	6.9
2nd gear	km/h	12.2
3rd gear	km/h	21.9
4th gear	km/h	37.7
Measured with tires	35/65 R33 L4	
Front axle/rear axle	Volvo AHW 91/AHW 91	
Rear axle oscillation	±°	12
Ground clearance at oscillation	mm	550
	°	12

Steering System

Steering system: Load-sensing hydrostatic articulated steering with an accumulator system and a non-pressurized tank.

System supply: The steering system has priority feed from a load-sensing axial piston pump with variable displacement.

CDC: Speed dependent electro-hydraulic power steering system with closed center hydrostatic back-up and end-stroke damping.

Steering cylinders	2	
Cylinder bore	mm	110
Rod diameter	mm	70
Stroke	mm	595
Working pressure	MPa	27
Maximum flow	l/min	370
Maximum articulation	±°	37

Service Refill

Service accessibility: Large, easy-to-open service doors with gas struts. Swing-out radiator grill. Fluid filters and component breather 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	540
Engine coolant	lit	73
Hydraulic oil tank	lit	365
Transmission oil	lit	134
Engine oil	lit	55
Axle oil front	lit	140
Axle oil rear	lit	146

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 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	27
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Flow	l/min	343
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at	MPa	10
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engine speed	rpm	1 800
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Working pressure maximum, pump 2 for steering-, brake-, pilot- and working hydraulic system	MPa	29
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Flow	l/min	400
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at	MPa	10
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engine speed	rpm	1 800
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Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	26
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Flow	l/min	84
------	-------	----

at	MPa	10
----	-----	----

engine speed	rpm	1 800
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Cycle times

Lift	s	7.1
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Tilt	s	1.9
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Lower, empty	s	4.3
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Total cycle time	s	13.3
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Raise and tilt cycle times with load according to ISO 14397 and SAE J818

Lift Arm System

Z-bar linkage system with high breakout forces. The lift arms are single plate construction with a high-strength steel cast cross tube. The single bell crank and bucket link are nodular iron castings.

Lift cylinders		2
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Lift cylinder bore	mm	190
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Lift cylinder piston rod diameter	mm	110
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Lift cylinder stroke	mm	1 264
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Tilt cylinder		1
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Tilt cylinder bore	mm	250
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Tilt cylinder piston rod diameter	mm	120
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Tilt cylinder stroke	mm	728
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Brake System

Service brake: Service brakes are dual circuit all-hydraulic multidisc brakes with nitrogen-charged accumulators and automatic slack adjusters. Outboard-mounted oil-cooled, wet disc brakes at each wheel. Transmission disengagement during braking can be preselected in Contronic.

Parking brake: 3 calliper (dry) spring applied, electro hydraulically released via a switch on dash board. Applies automatically when the key is turned off.

Secondary brake: Dual circuit axle-by-axle system. Actuated by service brake pedal. Low pressure alarm. Dead engine braking capability provided by three nitrogen charged accumulators.

Standard: The brake system complies with the requirements of ISO 3450:1996.

Number of brake discs per wheel front/rear		10/10
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Accumulators	lit	9 x 1.0
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Accumulators for parking brake	lit	1 x 1.0
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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' 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
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Heating capacity	kW	16
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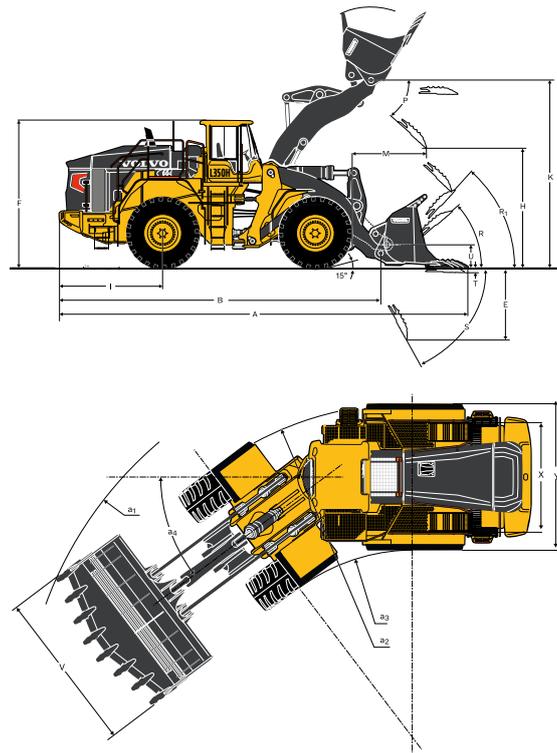
Air conditioning	kW	8
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Sound Level

Sound level in cab according to ISO 6396 - L _{pA}	dB	72
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External sound level (ISO 6395 and EU Noise Directive 2000/14/EC) - L _{WA}	dB	111
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Specifications

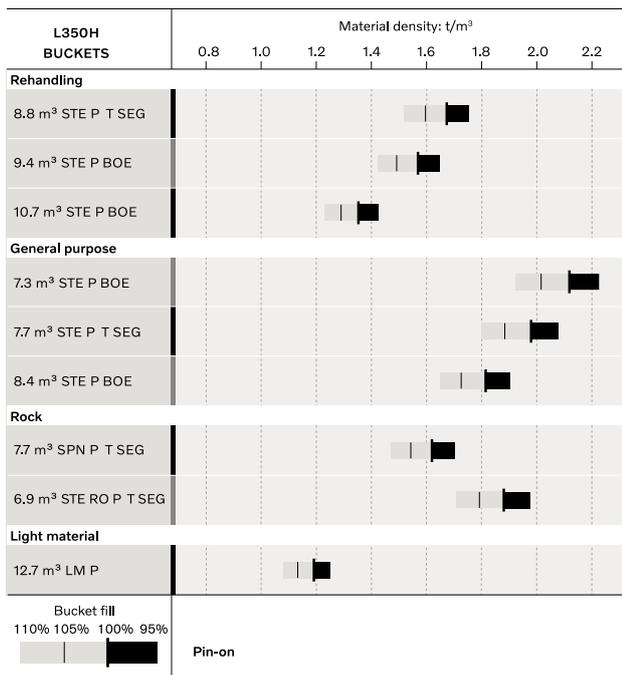


Tires: 875/65 R33 Goodyear RL-5K*** L5

		Standard boom	Long boom
B	mm	9 130	9 560
C	mm	4 300	4 300
D	mm	550	550
F	mm	4 180	4 180
F ₁	mm	4 000	4 000
F ₂	mm	3 460	3 460
G	mm	2 135	2 134
I	mm	2 910	3 110
J	mm	4 920	5 390
K	mm	5 340	5 810
O	°	60	58
P _{max}	°	46	45
R	°	44	45
R ₁ *	°	48	50
S	°	66	72
T	mm	130	130
U	mm	620	750
X	mm	2 720	2 720
Y	mm	3 630	3 630
Z	mm	4 470	4 890
a ₂	mm	8 480	8 480
a ₃	mm	4 610	4 610
a ₄	±°	37	37

*Carry position SAE

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



How to read bucket fill factor

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/m³
Earth	110-115	1.4-1.6
Clay	110-120	1.4-1.6
Sand	100-110	1.6-1.9
Gravel	100-110	1.7-1.9
Rock	75-100	1.5-1.9

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

Supplemental Operating Data

	Width over tires	Ground clearance	Operating weight	Static tipping load, full turn	
				Standard boom	Long boom
	mm	mm	kg	kg	kg
35/65 R33 Michelin XMine D2** L5	+20	-20	-220	-220	-200
35/65 R33 Bridgestone VSDL IDU** L5	-20	-10	-240	-220	-200
35/65 R33 Bridgestone VSNT** L4	0	-20	-800	-520	-470
36/65 R33 Michelin GTXL*** L4	0	-40	-1 350	-880	-790

Specifications

L350H

		REHANDLING ⁽¹⁾			GENERAL PURPOSE ⁽²⁾			ROCK ⁽²⁾		LIGHT MATERIAL ⁽³⁾
										
Standard boom		WLA86884	WLA86885	WLA86896	WLA87151	WLA87152	WLA87153	WLA87493	WLA87491	WLA83019
		8.8 m ³ STE P BOE	9.4 m ³ STE P BOE	10.7 m ³ STE P BOE	7.3 m ³ STE P BOE	7.7 m ³ STE P T SEG	8.4 m ³ STE P BOE	6.9 m ³ STE P T SEG	7.7 m ³ SPN P T SEG	12.7 m ³ LM P BOE
Volume, heaped ISO/SAE	m ³	8.8	9.4	10.7	7.3	7.7	8.4	6.9	7.7	12.7
Volume at 110% fill factor	m ³	9.7	10.3	11.8	8.0	8.5	9.2	7.6	8.5	14.0
Static tipping load, straight	kg	43 190	42 840	42 250	39 720	39 290	39 170	39 530	38 160	37 570
at 35° turn	kg	38 350	38 000	37 440	35 420	35 000	34 890	35 240	33 910	33 360
at full turn	kg	37 790	37 450	36 890	34 930	34 510	34 410	34 750	33 420	32 890
Breakout force	kN	404	391	363	464	439	429	454	347	388
A Overall length	mm	11 100	11 170	11 330	10 840	11 220	10 980	11 150	11 690	11 170
E Digging depth, max dump (S)	mm	1 710	1 760	1 910	1 470	1 800	1 590	1 740	2 210	1 780
H ⁽⁴⁾ Dump clearance	mm	3 690	3 650	3 530	3 880	3 620	3 780	3 660	3 310	3 630
L Overall operating height	mm	7 300	7 390	7 540	7 120	7 180	7 290	7 310	7 410	7 670
M ⁽⁴⁾ Dump reach	mm	1 830	1 880	1 980	1 650	1 890	1 750	1 850	2 250	1 890
N ⁽⁴⁾ Reach at 45° discharge, pos. G	mm	2 700	2 740	2 810	2 580	2 750	2 650	2 720	2 990	2 700
V Bucket width	mm	3 970	3 970	3 970	3 970	3 970	3 970	3 970	4 110	4 500
a ₁ Outer clearance circle (diameter)	mm	18 350	18 390	18 480	18 210	18 420	18 290	18 380	18 800	18 860
Operating weight without load	kg	53 320	53 470	53 790	51 160	51 420	51 450	51 350	52 120	51 520

(1) Calculated with 35/65 R33 Bridgestone VSNT L4 tires and Rehandling counterweight.

(2) Calculated with 875/65 R33 Goodyear RL-5K*** L5 tires.

(3) Calculated with 35/65 R33 Bridgestone VSNT L4 tires.

(4) 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.

L350H

Long boom		REHANDLING ⁽¹⁾			GENERAL PURPOSE ⁽²⁾			ROCK ⁽²⁾		LIGHT MATERIAL ⁽³⁾
										
		WLA86884	WLA86885	WLA86896	WLA87151	WLA87152	WLA87153	WLA87493	WLA87491	WLA83019
		8.8 m ³ STE P BOE	9.4 m ³ STE P BOE	10.7 m ³ STE P BOE	7.3 m ³ STE P BOE	7.7 m ³ STE PT SEG	8.4 m ³ STE P BOE	6.9 m ³ STE PT SEG	7.7 m ³ SPN PT SEG	12.7 m ³ LM P BOE
Volume, heaped ISO/SAE	m ³	8.8	9.4	10.7	7.3	7.7	8.4	6.9	7.7	12.7
Volume at 110% fill factor	m ³	9.7	10.3	11.8	8.0	8.5	9.2	7.6	8.5	14.0
Static tipping load, straight	kg	37 640	37 370	36 800	37 360	36 960	36 860	37 180	35 900	35 360
at 35° turn	kg	33 300	33 040	32 490	33 190	32 790	32 700	33 010	31 760	31 260
at full turn	kg	32 810	32 550	32 000	32 720	32 320	32 230	32 540	31 280	30 800
Breakout force	kN	367	354	330	421	399	390	413	316	352
E Overall length	mm	11 520	11 590	11 750	11 250	11 630	11 400	11 570	12 110	11 590
H ⁽⁴⁾ Digging depth, max dump (S)	mm	1 770	1 840	1 980	1 530	1 870	1 650	1 810	2 300	1 850
L Dump clearance	mm	4 160	4 110	4 000	4 350	4 090	4 250	4 130	3 780	4 120
M ⁽⁴⁾ Overall operating height	mm	7 770	7 850	8 010	7 590	7 650	7 760	7 780	7 880	8 140
N ⁽⁴⁾ Dump reach	mm	1 830	1 880	1 990	1 660	1 900	1 760	1 860	2 260	1 920
V Reach at 45° discharge, pos. G	mm	3 060	3 090	3 160	2 930	3 110	3 000	3 070	3 360	3 050
a ₁ Bucket width	mm	3 970	3 970	3 970	3 970	3 970	3 970	3 970	4 110	4 500
a ₁ Outer clearance circle (diameter)	mm	18 690	18 740	18 830	18 550	18 770	18 630	18 720	19 160	19 200
Operating weight without load	kg	53 560	53 720	54 040	52 790	53 060	53 080	52 980	53 750	53 160

(1) Calculated with 35/65 R33 Bridgestone VSNT L4 tires and Rehandling counterweight.

(2) Calculated with 875/65 R33 Goodyear RL-5K*** L5 tires and Long Boom counterweight.

(3) Calculated with 35/65 R33 Bridgestone VSNT L4 tires, and Long Boom counterweight,

(4) 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.

Equipment

STANDARD EQUIPMENT

Engine

Three stage air cleaner, pre-cleaner, primary and secondary filter

Indicator glass for coolant level

Preheating of induction air

Fuel pre-filter with water trap

Fuel filter

Crankcase breather oil trap

Drivetrain

Automatic Power Shift (APS) with operator controlled transmission disengagement when braking and mode selector with AUTO mode

Fully automatic gear shifting, 1-4

Pulse Width Modulation (PWM) controlled gear shifting

Torque converter with Lock-Up

Automatic Lock-Up shifting, 2-4 (gear selector in 4), 2 (gear selector in 2) and 1 (gear selector in 1)

Forward and reverse switch by hydraulic lever console

Rimpull control

Axle oil cooler

Indicator glass for transmission oil level

Electrical system

24 V, pre-wired for optional accessories

Alternator 24V/ 80A

Battery disconnect switch with removable key

Fuel gauge

Hour meter

Electric horn

Instrument cluster:

Fuel level

Transmission temperature

Coolant temperature

Instrument lighting

Lighting:

Twin halogen front headlights with high and low beams

Parking lights

Double brake and tail lights

Turn signals with flashing hazard light function

Work lamp, front on cab, 2 Halogen lamps, std

Work lamp, rear in grille, 4 Halogen lamps, std

STANDARD EQUIPMENT

Contronic monitoring system

Monitoring and logging of machine data

Contronic display

Fuel consumption

Ambient temperature

Clock

Brake test

Test function for warning and indicator lights

Warning and indicator lights:

Battery charging

Parking brake

Warning and display message:

Engine coolant temperature

Charge-air temperature

Engine oil temperature

Engine oil pressure

Transmission oil temperature

Transmission oil pressure

Hydraulic oil temperature

Brake pressure

Parking brake applied

Parking brake NOT applied

Brake charging

Overspeed at direction change

Axle oil temperature

Steering pressure

Crankcase pressure

Level warnings:

Low fuel level

Engine oil level

Engine coolant level

Transmission oil level

Hydraulic oil level

Washer fluid level

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

Keypad, background lit

Start interlock when gear is engaged

STANDARD EQUIPMENT

Hydraulic System

Main valve, double-acting 2-spool with electric pilots

Variable displacement axial piston pumps (3) for:

Steering system, working hydraulics

Secondary steering with automatic test function

Working hydraulics, brakes

Cooling fan, brakes

Electric-hydraulic servo control

Electric level lock

Boom kick-out, automatic, adjustable from cab

Return-to-dig, automatic, adjustable from cab

Bucket positioner, automatic, adjustable from cab

Double-acting hydraulic cylinders with end-damping

Indicator glass for hydraulic oil level

Hydraulic oil cooler

Brake system

Wet oil circulation-cooled disc brakes on all four wheels

Dual brake circuits

Dual brake pedals

Secondary brake system

Parking brake, electric-hydraulic

Brake wear indicators

Cab

ROPS (ISO 3471), FOPS (ISO 3449)

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 climate control (ACC)

Floor mat

Interior light

Rear view mirror, interior

Dual exterior rear-view mirrors

Sliding window, right side

Tinted safety glass

Seat-mounted adjustable lever console, working hydraulics

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 platforms with slip protected surfaces on front and rear fenders

Comfort Drive Control (CDC)

Remote door opener

STANDARD EQUIPMENT

Service and Maintenance

Engine oil remote drain and fill

Transmission oil remote drain and fill

Grouped lubrication points, ground accessible

Pressure check connections: transmission and hydraulic, quick-connect, grouped on console for easy access

Quick-fit hydraulic oil fill

Tool box, lockable

Wheel nut wrench kit

External equipment

Fenders, front with rubber extensions

Viscous cab mounts

Rubber engine and transmission mounts

Lifting eyes

Easy-to-open side panels with gas struts

Frame, joint lock

Vandalism lock prepared for:

Batteries

Engine compartment

Radiator

Tie-down eyes

Recovery eyes

Tow hitch

Equipment

OPTIONAL EQUIPMENT

Engine

Air pre-cleaner, oil-bath type

Air pre-cleaner, cyclone type

Cooling package: Radiator and charge air cooler, corrosion-protected

Engine block heater, 230 V

Engine block heater, 120V, USA

Engine auto shutdown

Volvo Engine Brake system - VEB

Hand throttle control

Fuel fill strainer

Fast fill fuel system

Fuel heater

Reversible cooling fan

Max. fan speed, hot climate

Drivetrain

Limited Slip, front and rear axle

Limited Slip, rear axle

Transmission oil heater

Speed limiter, 20 km/h

Speed limiter, 30 km/h

Electrical system

Travel lights:

Cab heater, power outlet 240V

Warning beacon LED

Warning beacon LED automatic

LED Economy package

LED Feature Package

LED Power Package

LED working lights, attachments

Halogen Economy package

Halogen Feature package

Halogen working lights, attachments

Warning beacon(flasher), LED

Reverse warning light, Strobe

Reverse alarm, audible, multi-frequency (white noise)

Reverse alarm, audible

Seatbelt indicator, external

Jump start connector, ISO type

Emergency stop

Electrical distribution unit 24 volt

Alternator 120 amp, heavy-duty

Anti-theft device

Max Boom height

Can Bus Interface

Delayed Engine Shutdown

Co Pilot available

Rearview camera in Co pilot

OnBoard Weighing

Tire Pressure Monitoring System

Connected Map

OPTIONAL EQUIPMENT

Hydraulic System

Boom suspension system with single-acting lift function

Arctic kit, pilot hoses, brake accumulators and hydraulic oil

Hydraulic 2 functions, Single lever control

Hydraulic 3 functions, Single lever control

3rd electro-hydraulic function

3rd electro-hydraulic function for long boom

Attachment bracket

Separate attachment locking

Biodegradable hydraulic fluid

Fire-resistant hydraulic fluid

Hot climate hydraulic fluid

Mineral oil for cold climate

Cab

Radio with Bluetooth/USB/AUX

DAB Radio

Radio installation kit incl. 11 A, 12 V outlet, left side

Radio installation kit incl. 11 A, 12 V outlet, right side

Rear-view camera incl. monitor, colour

Forward camera, colour

Rear-view mirrors, electrically adjustable and heated

Asbestos dust protection filter

Carbon filter

Automatic climate control panel, with Fahrenheit scale

Lunchbox holder

Universal key EU

Universal key US

Steering wheel knob

Sun blind, rear window

Sun blind, side windows

Timer cab heating

Window sliding, door

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

Parking brake alarm, audible for air susp seats

Operator's seat, Premium Comfort

Operator's seat, Premium Comfort ISRI 3-point seat belt

Operator's seat, (air seat std) 3-point seat belt and CDC

Ashtray

Anchorage for Operator's manual

Forward view mirror

OPTIONAL EQUIPMENT
Service and Maintenance
Tool kit
Automatic lubrication system
Automatic lubrication system for long boom
Refill pump for automatic lubrication system
Oil sampling valve
Protective equipment
Guards for front headlights
Tail light guards, heavy-duty
Guards for tail lights, heavy-duty
Guards for rear work lights
Radiator grille guard
Cab roof, heavy duty
Windows, side and rear guards
Windshield guard
Belly guard, front
Belly guard, rear
Fire extinguisher
Bracket for fire extinguisher
External equipment
Long boom
Fire suppression system
Other equipment
Counterweight, re-handling
Counterweight, signal painted, chevrons
Logger version
Block handler kit
Block handler kit, heavy-duty
CE-marking
Decals, USA
Sound decal, EU
Cleaner kit, with air blow gun (Stage V)
Reflecting stickers (stripes), machine contour Cab
Option for machines without dinitrol
CareTrack

OPTIONAL EQUIPMENT
Tires and Rims
35/65 R33 (875/65 R33):
L4
L5
Rims, 33-28.00/3,5:
Five piece, heavy-duty
Attachments
Buckets (pin-on):
Rock, straight edge
Rock, spade nose
Rock, side-dump, spade nose
General purpose, straight edge
Rehandling bucket, straight edge
Light material, straight edge
Wear parts:
Adapters for teeth, weld-on
Teeth
Segments, bolt-on
Edge savers, bolt-on (reversible)
Block handling equipment (hook-on):
Rock bucket, spade nose
Stone fork
Breaker tine
Rake





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