

V O L V O



Volvo Wheel Loaders 12.7-15.5 t 170 hp

**L70H**

Volvo Construction Equipment

# L70H

**Leave the heavy-duty work for the L70H, designed to do more, be more comfortable and help you increase your productivity.**



# Designed to do more

Hard work has never felt so easy. H-Series wheel loaders are built with an industry-leading, strong frame, which, combined with the ideally-matched genuine Volvo drivetrain, achieves long-lasting performance. And with the help of a range of smart apps you can boost the efficiency of your operation from the comfort of the cab.



## Loaded with versatility

- Torque Parallel linkage
- Volvo attachment bracket
- Range of purpose-built attachments
- Rehandling bucket
- 3rd and 4th hydraulic functions



## Keep it moving

- Quick hydraulic oil fill thanks to new mounted nipple
- Improved cooling capacity
- Strong frame and central hinge
- Optional delayed engine shutdown
- Optional external axle cooling



## Safety as standard

- Anti-slip steps and strategically placed handrails
- Orange seatbelt
- Redesigned side mirrors
- Rear-view camera



## Strong and stable

- Optimized loading unit weight, heavyduty counterweight for greater stability
- Standard electro-servo controls
- Bucket leveling function



## Increased productivity

- Optional lock-up converter
- Rimpull control
- Smart Control
- Smooth Control
- Eco pedal



## Greater access

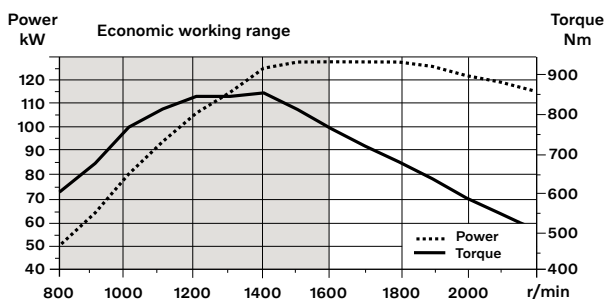
- Cooler installation slides out for easier cleaning
- Repositioned fill spouts for transmission and engine oil
- Ground-level access to service points
- Electronically-operated engine hood

# Volvo L70H in detail

## Engine

6-cylinder, 6 liters inline turbocharged diesel engine with an advanced fuel injection system with the common rail. Fuel is distributed under high pressure from a high-pressure accumulator, the rail. One belt driven high pressure pump deliver the fuel to the rail and then further on via high-pressure pipes to the electronically operated fuel injectors. Engine meets Stage V emission legislation.

Engine	Volvo	D6J
Max. power at	r/min	1 500 - 1 800
ISO 14396 gross	kW	127
	hp	170
ISO 9249, SAE J1349 net	kW	127
	hp	170
Max. torque at	r/min	1 400
ISO 14396 gross	Nm	850
ISO 9249, SAE J1349 net	Nm	850
Economic working range	r/min	800 - 1 600
Displacement	l	5.7



## Electrical system

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

Batteries	V	2 x 12
Battery capacity	Ah	2 x 110
Cold cranking capacity, approx	A	680
Alternator rating	W/A	3 135/80
Starter motor output	kW	5.5

## Brake system

**Service brake:** Volvo dual-circuit system with outboard mounted, hydraulically operated, fully sealed and circulating oil cooled wet disc brakes. Four operator selectable transmission disengagement settings while braking.

**Parking brake:** Dry disc brake mounted on the transmission output shaft. Applied by spring force, electro-hydraulically released with a switch on the instrument panel.

**Secondary brake:** Dual brake circuits with rechargeable accumulators.

**Standard:** The brake system complies with the requirements of ISO 3450, 71/320/EEC

Number of brake discs per wheel		1
Accumulators	l	2 x 0.5+1 x 1.0
Accumulators for parking brake	l	1 x 1.0

## Lift Arm System

Torque parallel linkage (TP-linkage) with high breakout torque and parallel lift-arm action.

Lift cylinders		2
Cylinder bore	mm	110
Piston rod diameter	mm	70
Stroke	mm	756
Tilt cylinder		1
Cylinder bore	mm	160
Piston rod diameter	mm	90
Stroke	mm	432

## Steering System

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

**Steering cylinders:** Two double-acting cylinders.

Steering cylinders		2
Cylinder bore	mm	70
Rod diameter	mm	45
Stroke	mm	386
Working pressure	MPa	21
Maximum flow	l/min	60
Maximum articulation	± °	40

## Cab

**Instrumentation:** All important information is centrally located in the operator's field of vision. Display for Contronic monitoring system.

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

**Operator's seat:** Operator's seat with adjustable air suspension and retractable seatbelt. The seat is mounted on a bracket on the rear cab wall and floor. The forces from the retractable seatbelt are absorbed by the seat rails.

**Standards:** The cab is tested and approved according to ROPS (ISO 3471, SAE J1040), FOPS (ISO 3449). The cab meets with requirements according to SAE J386 ("Operator Restraint System"). Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO<sub>2</sub>-eq.

Emergency exit: Use emergency hammer to break window

Ventilation	m <sup>3</sup> /min	9
Heating capacity	kW	16
Air conditioning (optional)	kW	7.5

## Sound Level

Sound pressure level in cab according to ISO 6396

L <sub>PA</sub>	dB	68
External sound level according to ISO 6395		
L <sub>WA</sub>	dB	105

## Service Refill

**Service accessibility:** Large, electrically operated easy-to-open hood covering whole engine compartment. Fluid filters and component breather air filters are located from ground level access and promote long service intervals. Machine contronics have possibility to monitor, log and analyze data to facilitate troubleshooting. A quick-fit adapter on the hydraulic tank provides faster hydraulic oil fill.

Fuel tank	l	222
DEF/AdBlue® tank	l	20
Engine coolant	l	30
Hydraulic oil tank	l	90
Transmission oil (non lock-up)	l	21
Transmission oil (lock-up)	l	22
Engine oil	l	20
Axle oil front	l	35
Axle oil rear	l	27



### Hydraulic system

Closed center load sensing hydraulic system with non pressurised hydraulic tank and pilot operated control valves.

**System supply:** Variable displacement axial piston pump supply the hydraulic system.

**Valves:** The central valve distributes pressure and flow out to the cooling fan, steering, brake, pilot and hydraulic system. Steering system gets priority over others.

**Lift function:** The valve has four positions; raise, hold, lower and float position. Automatic boom kickout position can be set to any position between maximum reach and full lifting height.

**Tilt function:** The valve has three functions; rollback, hold and dump.

Automatic tilt out/tilt in 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 2 for steering-, brake-, pilot- and working hydraulic system	MPa	26
Flow	l/min	154
at	MPa	10
engine speed	r/min	1 900
Working pressure maximum, pump 3 for brake- and cooling fan system	MPa	21
Flow	l/min	33
at	MPa	10
engine speed	r/min	1 900
Pilot system, working pressure	MPa	3.5
Cycle times		
Lift	s	5.5
Tilt	s	2.1
Lower, empty	s	2.9
Total cycle time	s	10.5

### Drivetrain

**Torque converter:** Single-stage

**Transmission:** Volvo countershaft transmission with single lever control. Fast and smooth shifting of gears with Pulse Width Modulation (PWM) valve.

**Transmission:** 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:** Volvo fully floating axle shafts with planetary hub reductions and cast steel axle housing. Fixed front axle and oscillating rear axle. 100% differential lock on the front axle.

Transmission	Volvo	HTE 125C Non Lock-up / HTE 125 Lock-up
Torque multiplication, stall ratio		2.5:1 Non Lock-up / 2.59:1 Lock-up
<b>Maximum speed</b>		
1st gear	km/h	Converter 7.5 / Lock-up 7.5
2nd gear	km/h	Converter 15 / Lock-up 15
3rd gear	km/h	Converter 29 / Lock-up 30
4th gear	km/h	Converter 46 / Lock-up 50
4th gear: Shown in speedometer and limited by ECU		
Measured with tires		20.5R25
Front axle/rear axle		AWB 25/AWB 20
Rear axle oscillation	± °	13
Ground clearance	mm	470
at oscillation	°	13



# Specifications

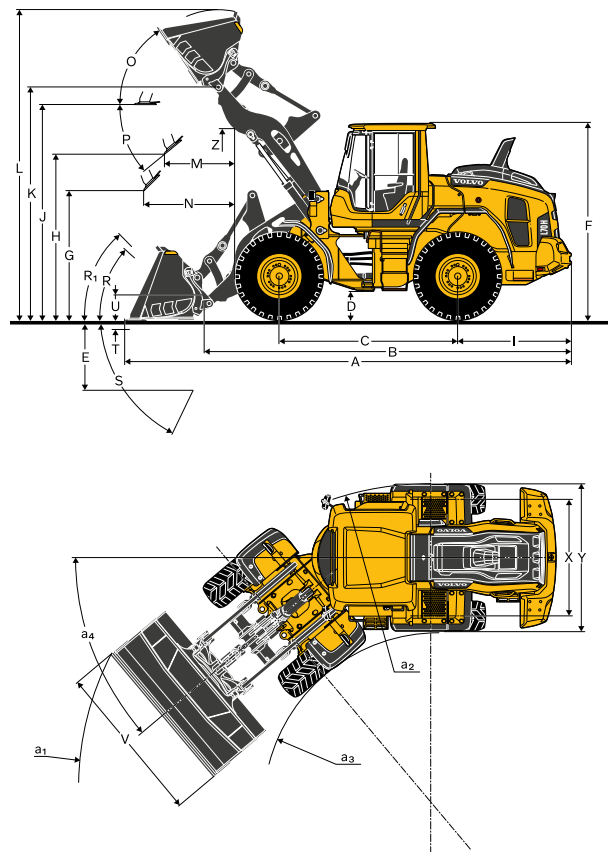
## Tires 20.5 R25 L3

		L70H	
		Standard boom	Long boom
B	mm	6 080	6 560
C	mm	3 000	3 000
D	mm	450	450
F	mm	3 280	3 280
G	mm	2 134	2 134
I	mm	1 905	1 905
J	mm	3 580	4 050
K	mm	3 870	4 350
O	°	56	52
P <sub>max</sub>	°	46	45
R	°	43	44
R <sub>1</sub> *	°	48	49
S	°	68	73
T	mm	106	112
U	mm	450	500
X	mm	1 930	1 930
Y	mm	2 460	2 460
Z	mm	3 160	3 500
a <sub>2</sub>	mm	5 350	5 350
a <sub>3</sub>	mm	2 890	2 890
a <sub>4</sub>	±°	40	40

\* Carry position SAE

\*\*Calculated with additional protective guarding

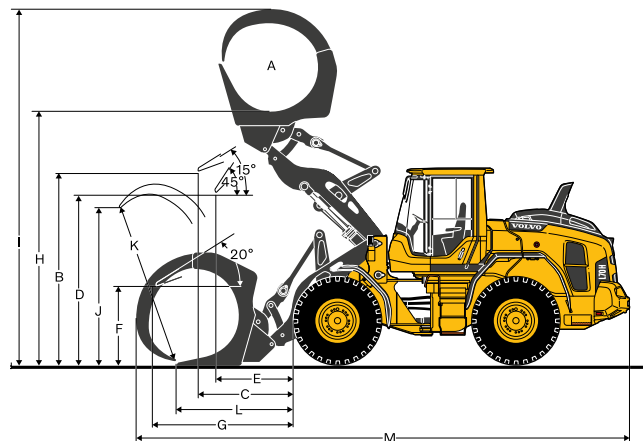
Where applicable, specifications and dimensions are according to ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 14397, SAE J818



## Tires: 20.5R25 L3

		L70H
SAE-Load	kg	3 990
Operating weight without load*	kg	14 585
Grapple sales code		80 153
A	m <sup>2</sup>	1.5
B	mm	3 380
C	mm	1 594
D	mm	2 870
E	mm	1 265
F	mm	1 502
G	mm	2 442
H	mm	4 378
I	mm	6 027
J	mm	2 141
K	mm	2 365
L	mm	1 800
M	mm	7 996

\* Calculated with additional protective guarding



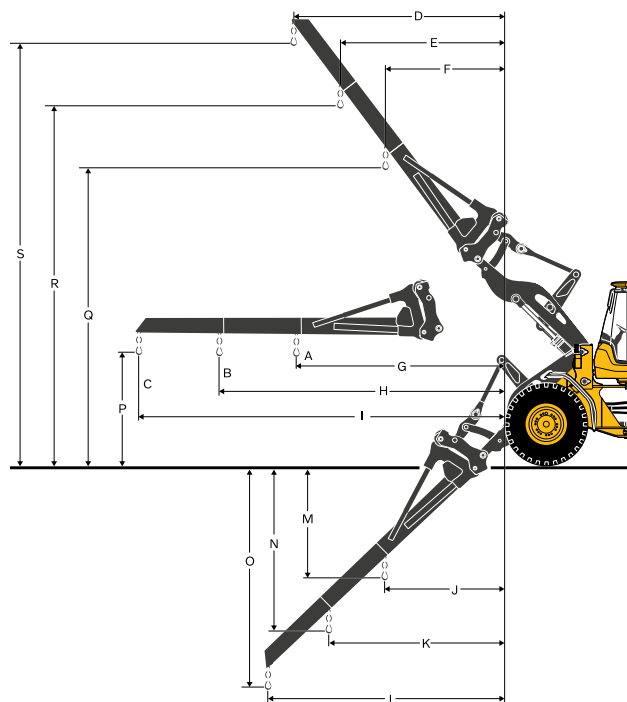
**Tires: 20.5R25 L3**

		<b>L70H</b>
Material handling arm sales code		92007
A*	kg	2 150
B*	kg	1 710
C*	kg	1 400
Static tipping load, straight	kg	3 583
35deg. Turn	kg	3 222
at full turn	kg	3 116
D	mm	2 716
E	mm	2 106
F	mm	1 549
G	mm	3 323
H	mm	4 358
I	mm	5 492
J	mm	1 269
K	mm	1 744
L	mm	2 266
M	mm	2 176
N	mm	3 095
O	mm	4 102
P	mm	1 523
Q	mm	5 302
R	mm	6 174
S	mm	7 129
Operating weight without load	kg	13 451

\* Op. load at full turn + tipping position

Tipping loads calculated for max. arm length

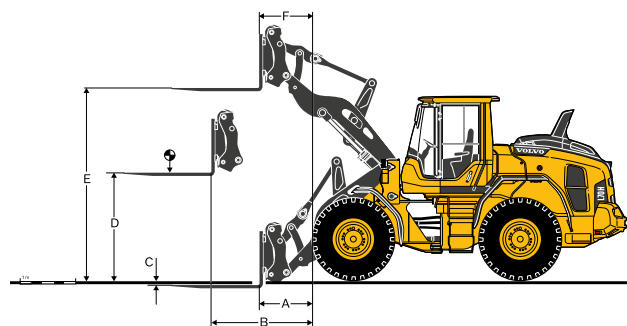
\*\*Calculated with additional protective guarding


**Tires: 20.5R25 L3**

		<b>L70H</b>
Fork frame sales code		83768
Fork tines sales code (R/L)		80042/80044
Static tipping load, straight	kg	7 576
35deg. Turn	kg	6 809
at full turn	kg	6 584
at load center distance*	mm	600
A	mm	841
B	mm	1 616
C	mm	-52
D	mm	1 859
E	mm	3 736
F	mm	767
Operating weight without load	kg	13 531










\* Firm and level ground

\*\*Calculated with additional protective guarding



# Specifications

## L70H\*

Tires 20.5 R25 L3		REHANDLING <sup>(1)</sup>		GENERAL PURPOSE				GRADING	LIGHT MATERIAL		LONG BOOM <sup>(3)</sup>
											
		WLA54427161	WLA54427160	WLA86401	WLA86404	WLA86418	WLA86407	WLA92477	WLA80562	WLA80634	-
		2.7 m <sup>3</sup> STE P BOE	2.7 m <sup>3</sup> STE H BOE	2.0 m <sup>3</sup> STE H T	2.3 m <sup>3</sup> STE H BOE	2.4 m <sup>3</sup> STE P BOE	2.4 m <sup>3</sup> STE H BOE	2.2 m <sup>3</sup> GRB H BOE	3.4 m <sup>3</sup> LM H BOE	6.4 m <sup>3</sup> LM H BOE	2.4 m <sup>3</sup> STE P BOE
Volume, heaped ISO/SAE	m <sup>3</sup>	2.7	2.7	2.3	2.0	2.4	2.4	2.2	3.4	6.4	-
Volume at 110% fill factor	m <sup>3</sup>	3.0	3.0	2.5	2.2	2.6	2.6	2.4	3.7	7.0	-
Static tipping load, straight	kg	10 340	9 740	9 430	9 690	10 020	9 430	7 710	9 020	8 580	-1 850
at 35° turn	kg	9 230	8 660	8 420	8 670	8 970	8 420	6 850	8 030	7 570	-1 690
at full turn	kg	8 900	8 340	8 120	8 370	8 670	8 120	6 600	7 740	7 270	-1 660
Breakout force	kN	90.2	82.4	89.6	98.1	96.6	87.7	62.8	71.9	54.0	-1.8
A Overall length	mm	7 510	7 630	7 490	7 550	7 410	7 530	7 960	7 790	8 340	+460
E Digging depth, max dump (S)	mm	1 200	1 310	1 190	1 240	1 120	1 220	1 680	1 480	1 970	+20
H <sup>(2)</sup> Dump clearance	mm	2 730	2 660	2 750	2 710	2 800	2 730	2 350	2 520	2 140	+490
L Overall operating height	mm	5 290	5 360	5 160	5 100	5 120	5 190	4 710	5 440	5 780	+470
M <sup>(2)</sup> Dump reach	mm	1 140	1 220	1 140	1 180	1 080	1 160	1 350	1 340	1 730	-20
N <sup>(2)</sup> Reach at 45° discharge, pos. G	mm	1 630	1 670	1 650	1 660	1 610	1 660	1 570	1 680	1 730	+400
V Bucket width	mm	2 750	2 750	2 650	2 650	2 650	2 650	2 650	2 650	2 750	0
a <sub>1</sub> Outer clearance circle (diameter)	mm	12 070	12 120	11 950	11 990	11 910	11 970	12 480	12 140	12 600	+540
Operating weight without load	kg	14 090	14 350	13 750	13 660	13 510	13 770	14 010	13 960	14 500	+260

(1) Measured with additional counterweight.

(2) 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.

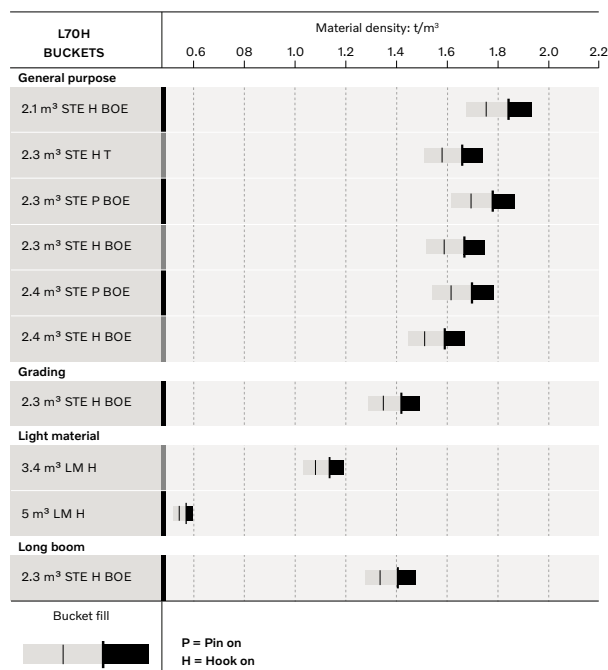
### Bucket Selection Chart

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 1.65 t/m<sup>3</sup>.

**Result:** The 1.9 m<sup>3</sup> bucket carries 2.0 m<sup>3</sup>. For optimal stability always consult the bucket selection chart.

Material	Bucket fill, %	Material density, t/m <sup>3</sup>	ISO/SAE bucket volume, m <sup>3</sup>	Actual volume, m <sup>3</sup>
Earth/Clay	~ 110	~ 1.55	2.1	2.3
		~ 1.45	2.3	2.6
		~ 1.40	2.4	2.6
Sand/Gravel	~ 105	~ 1.60	2.1	2.2
		~ 1.50	2.3	2.4
		~ 1.45	2.4	2.5
Aggregate	~ 100	~ 1.80	2.1	2.1
		~ 1.70	2.3	2.3
		~ 1.60	2.4	2.4
Rock	≤100	~ 1.70	1.6	1.6



How to read bucket fill factor

### Supplemental Operating Data

		Standard boom		Long boom
Tires 20.5 R25 L3		20.5 R25 L2 *	600/65 R25 L3	600/65 R25 L3
Width over tires	mm	+10	+100	+100
Ground clearance	mm	0	-20	-20
Tipping load, full turn	kg	+40	-50	-40
Operating weight	kg	+90	+10	+10

\* Snow tires



# Equipment

## STANDARD EQUIPMENT

### Engine

Exhaust after-treatment system
3-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
Crank case breather oil trap
Exhaust heat ventilation

### Wheels and tires

20.5R25
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### Drivetrain

Automatic Power Shift
Fully automatic gear shifting, 1-4
PWM-controlled gear shifting
Forward and reverse switch by hydraulic lever console
Rimpull control
Indicator glass for transmission oil level
Differentials: Front, 100% hydraulic diff lock. Rear, conventional

### Electrical system

24 V, pre-wired for optional accessories
Alternator 80A/3135W
Battery disconnect switch
Maintenance-free batteries
Battery box, steel
Fuel gauge
Electric horn
Instrument cluster:
Fuel level
Diesel Exhaust Fluid/AdBlue 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
Halogen work lights (2 front and 2 rear)

## STANDARD EQUIPMENT

### Contronic monitoring system

Contronic display
Fuel consumption
Diesel Exhaust Fluid/AdBlue consumption
Ambient temperature
Clock
Test function for warning and indicator lights
Brake test
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
Crank case pressure
Attachment lock open
Level warnings:
Fuel level
Diesel Exhaust Fluid/AdBlue 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 crank case pressure
High charge air temperature
Engine shutdown to idle in case of malfunction indication:
High transmission oil temperature
Slip in transmission clutches
Key pad, background lit
Start interlock when gear is engaged

### Hydraulic system

Main valve, double acting 2-spool with hydraulic pilots
Variable displacement axial piston pumps (2) for:
Working hydraulics, pilot hydraulics, steering system, brakes
Cooling fan, brakes
Hydraulic control levers
Mechanical 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, electrical-hydraulic
Brake wear indicators
Outboard mounted circulating oil cooled wet disc brakes on all four wheels

# Equipment

## STANDARD EQUIPMENT

### Cab

ROPS (ISO 3471), FOPS (ISO 3449)
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
Dual interior lights
Interior rearview mirrors
Dual exterior rearview mirrors
Sliding window, right side
Tinted safety 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
Foot step, left side (toolbox lockable included)

### Service and maintenance

Engine oil remote drain and fill
Transmission oil remote drain and fill
Sliding hydraulic oil cooler and AC-condenser
Lubrication manifolds, ground accessible
Pressure test ports: transmission and hydraulic, quick connects
Service platforms with anti-slip surfaces
Quick-fit hydraulic oil fill
CareTrack
Telematics, 6 -year subscription
Toolbox, lockable

### External equipment

Basic fenders, front and rear
Viscous cab mounts
Rubber engine and transmission mounts
Engine hood, electronically openable
Frame, joint lock
Vandalism lock for engine compartment
Lifting eyes
Tie down eyes
Tow hitch
Counterweight, pre-drilled for optional guards

## OPTIONAL EQUIPMENT

### Engine

Air pre-cleaner, cyclone type
Air pre-cleaner, oil-bath type
Air pre-cleaner, turbo type
Engine auto shut down
Engine block heater, 120V / 230V
Fuel heater
Fuel fill strainer
Hand throttle control
Max. fan speed, hot climate
Reversible cooling fan

### Drivetrain

Lock-up torque converter
Rear axle with limited slip
Speed limiter, 20 km/h
Speed limiter, 30 km/h
Speed limiter, 40 km/h

## OPTIONAL EQUIPMENT

### Hydraulic system

Arctic kit: Attachment locking, pilot hoses and hydraulic oil
Attachment bracket, cast, visibility-optimized
Attachment bracket, side-tilting
Separate attachment locking, long boom
Separate attachment locking, standard boom
Single acting lifting function
Boom suspension system
HD load-sensing hydraulics, pump kit included
Hydraulic fluid, biodegradable, Volvo
Hydraulic fluid, fire resistant
Hydraulic fluid, for hot climate
Detent for 3rd hydraulic function
Adjustable flow for 3rd hydraulic function
Hydraulic, 2 functions Electro-servo, std/long boom
Hydraulic, 3 functions Electro-servo, std/long boom
Hydraulic, 4 functions Electro-servo, std/long boom
Single lever control, 2 funct Electro-servo, std/long boom
Single lever control, 3 funct Electro-servo, std/long boom
Single lever control, 4 funct Electro-servo, std/long boom

### Brake system

Stainless steel, brake lines
Axle oil cooler
Parking brake alarm, audible

### Cab

ACC control panel, with Fahrenheit scale
Anchorage for Operator's manual
Asbestos dust protection filter
Automatic Climate Control, ACC
Automatic Climate Control, ACC, corrosion protection condenser
Cab air pre-cleaner, cyclone type
Carbon filter - cab
Remote door opener
Lunch box holder
Operator's seat, Volvo air-suspended, heavy-duty, high back, heated
Operator's seat, Volvo air-susp, 3-point seatbelt
Operator's seat, ISRI, heated, high back
Operator's seat, ISRI, low back
Operator's seat, Premium Comfort ISRI
Operator's seat, Premium Comfort ISRI 3-point seat belt
Armrest, operator's seat, ISRI, left only
Armrest, operator's seat, Volvo, left
Safety belt, 3" (75mm) width
Safety belt warning
Radio installation kit including 12 volt outlet, left-side
Radio installation kit including 12 volt outlet, right-side
Radio installation kit, 12V, for USA
Radio with AUX, Bluetooth and USB connection
DAB Radio
Subwoofer
Forward view mirror
Rear view mirrors, el.adjusted and heated
Rear view mirrors, long arm right
Rear view mirrors, el.adjusted and heated, long arm right
Steering wheel knob
Sun blinds, rear windows
Sun blinds, side windows
Timer cab heating
Universal door/ignition key
Window, sliding, door
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
Oil sampling valve
Refill pump for automatic lubrication system
Tool kit
Wheel nut wrench kit

OPTIONAL EQUIPMENT
<b>Electrical</b>
Battery disconnect switch, additional in cab
Anti-theft device
Headlights, assym. left
Headlights, assym. right LED
Headlights, assym. left LED
Emergency stop
License plate holder, lighting
Reduced function working lights when reverse gear activated
Side marker lamps
Forward camera, colour
Rear view camera including monitor, colour
Rear view mirrors, long arm, right side
Rearview mirrors, adjustable, el. heated
Reverse alarm
Reverse lights
Reversing warning light
Reverse warning light, strobe lightning
Warning beacon (flasher), LED automatic
Warning beacon (flasher), LED
Seatbelt indicator, external
Working lights, attachments, 1 LED
Warning beacon LED
Warning beacon LED automatic
LED Head Light
LED tail light
LED working lights, attachments
LED working lights on cab, front and rear
LED working lights on cab, front, 2 alt. 4 LED lamps
LED working lights on cab, rear, 2 alt. 4 LED lamps
LED working lights, rear in grille, 2 LED lamps
LED working lights, front above head lamps, 2 LED lamps
LED work lights, side on cab, 4 LED lamps
LED light packages
Working lights halogen, attachments
Working lights on cab halogen, front and rear
Working lights on cab halogen, rear
Co Pilot available
Rearview camera in Co pilot
Max Boom height
Can Bus Interface
Delayed Engine Shutdown
<b>Protective equipment</b>
Anti-theft device
Bellyguard front
Bellyguard rear
Boom cylinder hose and tube guards
Cab roof, heavy duty
Center hinge and rear frame guard
Corrosion protection, painting of machine
Cover plate front frame, heavy-duty
Cover plate, under cab
Cover plates rear frame
Guards for front headlights
Grease nipple guards
Guards for radiator grill
Guards for tail lights, heavy-duty
Wheel/axle seal guards
Window guards, side and rear
Windshield guard

OPTIONAL EQUIPMENT
<b>External equipment</b>
Deleted front mudguards
Fire extinguisher
Bracket for fire extinguisher
Fire suppression system
Mudguards, full cover, rear for 80-series tires
Mudflap kit for mudguards, full cover for 80-series tires
Mudguards, full cover, rear and front/rear for 65-series tires
Mudflap kit for mudguards, full cover for 65-series tires
Footsteps front frame
Footsteps, right-hand side
Flexible rear step
Cab ladder, rubber suspended
<b>Other equipment</b>
CareTrack, GSM/Satellite
CE-marking
Comfort Drive Control (CDC) Electro-servo
Secondary steering
Counterweight, logging
Counterweight, signal painted, chevrons
Option for machines without dinitrol
Noise reduction kit, EU excluding decal
Sign, 50 km/h
Sign, slow moving vehicle
<b>Tires and Rims</b>
20.5R25
600/65R25
620/75R26 Agriculture application only
750/65R26 Agriculture application only
<b>Attachments</b>
Buckets:
Straight
Spade nose
High tipping
Light material
Grading
Wear parts:
Bolt-on edge
Bolt-on or weld-on bucket teeth
Segments
Log grapples
Fork equipment
Material handling arm
Snow blade
Broom
Sand spreading bucket
Bale clamp
Drum rotator

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**