

V O L V O



Volvo Wheel Loaders 12.7-15.5 t / 28,000-34,170 lb 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
- Standard delayed engine shutdown
- Optional external axle cooling
- Optional Load Assist Tire Pressure monitoring

Safety as standard



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

Strong and stable



- Optimized loading unit weight, heavy-duty counterweight for greater stability
- Standard electro-servo controls
- Auto Bucket leveling function
- Lifetime Frame warranty

Increased productivity



- Optional lock-up converter
- Rimpull control
- Smart Control
- Smooth Control
- Eco pedal
- Load Assist On-Board Weighing hardware- Standard
- Load Assist Operator Coaching - Standard



Greater access

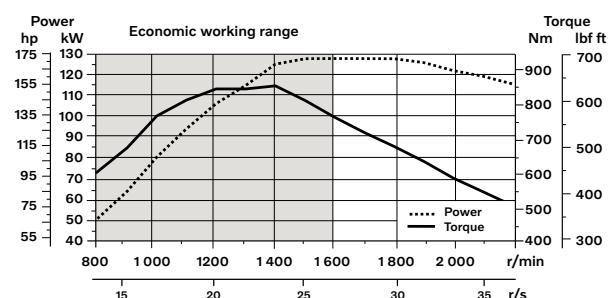
- Cooler installation slides out for easier cleaning
- Repositioned fill spouts for transmission and engine oil
- Ground-level access to service points
- Electronically-operated engine hood

Volvo L70H in detail

Engine

6-cylinder, 6 liter 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 Tier 4f / EU Stage V emission legislation.

Engine	Volvo	D6J
Max. power at	rpm (rps)	1,500 - 1,800 (25-30)
ISO 14396 gross	kW (hp)	127 (170)
ISO 9249, SAE J1349 net	kW (hp)	127 (170)
Max. torque at	rpm (rps)	1,400 (23.3)
ISO 14396 gross	Nm (lbf ft)	850 (627)
ISO 9249, SAE J1349 net	Nm (lbf ft)	850 (627)
Economic working range	rpm (rps)	800 - 1,600 (13.3 - 26.7)
Displacement	lit (in³)	5.7 (348)



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	1,000
Alternator rating	W/A	3,640 / 130
Starter motor output	kW	55

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	lit (gal.) 2 x 0.5 + 1 x 1.0 (2 x 0.13 + 1 x 0.26)
Accumulators for parking brake	lit (gal.) 1 x 1.0 (1 x 0.26)

Lift Arm System

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

Lift cylinders	2
Lift cylinder bore	mm (in) 110 (4.3)
Lift cylinder piston rod diameter	mm (in) 70 (2.8)
Lift cylinder stroke	mm (in) 756 (29.8)
Tilt cylinder	1
Tilt cylinder bore	mm (in) 160 (6.3)
Tilt cylinder piston rod diameter	mm (in) 90 (3.5)
Tilt cylinder stroke	mm (in) 432 (17.1)

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 (in) 70 (2.8)
Rod diameter	mm (in) 45 (1.8)
Stroke	mm (in) 386 (15.2)
Working pressure	MPa (bar) 21 (210)
Maximum flow	l/min (gal/min) 60 (15.9)
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 CO₂-eq.

Emergency exit: Use emergency hammer to break window

Ventilation	m ³ /min (yd ³ /min)	9 (11.8)
Heating capacity	kW	16
Air conditioning (optional)	kW	7.5

Sound Level

Sound level in cab according to ISO 6396 - L _{PA}	dB	68
External sound level (ISO 6395 and EU Noise Directive 2000/14/EC) - L _{WA}	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 contrronics 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	lit (gal.)	222 (58.6)
DEF/AdBlue® tank	lit (gal.)	20 (5.3)
Engine coolant	lit (gal.)	30 (7.9)
Hydraulic oil tank	lit (gal.)	90 (23.8)
Transmission oil (non lock-up)	lit (gal.)	21 (5.5)
Transmission oil (lock-up)	lit (gal.)	22 (5.8)
Engine oil	lit (gal.)	20 (5.2)
Axle oil front	lit (gal.)	35 (9.2)
Axle oil rear	lit (gal.)	27 (7.1)

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 (bar) 26 (260)

Flow	l/min (gal/min)	154 (40.7)
at	MPa (bar)	10 (100)
engine speed	rpm (rps)	1,900 (31.7)

Working pressure maximum, pump 3 for brake- and cooling fan system

MPa (bar) 21 (210)

Flow	l/min (gal/min)	33 (8.7)
at	MPa (bar)	10 (100)
engine speed	rpm (rps)	1,900 (31.7)

Pilot system, working pressure

MPa (bar) 3.5 (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.

HTE 125C
Non Lock-up /
HTE 125
Lock-up

Transmission

Torque multiplication, stall ratio	2.5:1 Non Lock-up / 2.59:1 Lock-up
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Maximum speed, forward/reverse

1st gear - Converter	km/h (mph)	7.5 (4.6)
1st gear - Lock-up	km/h (mph)	7.5 (4.6)
2nd gear - Converter	km/h (mph)	15 (9.3)
2nd gear - Lock-up	km/h (mph)	15 (9.3)
3rd gear - Converter	km/h (mph)	29 (18)
3rd gear - Lock-up	km/h (mph)	30 (18.6)
4th gear - Converter	km/h (mph)	46 (28.6)
4th gear - Lock-up	km/h (mph)	50 (31.1)

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 (in) 470 (18.5)

at oscillation ° 13



Specifications

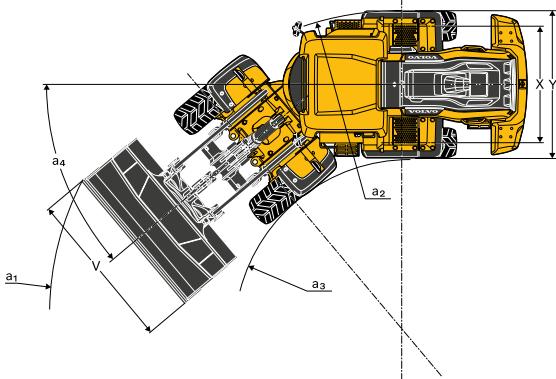
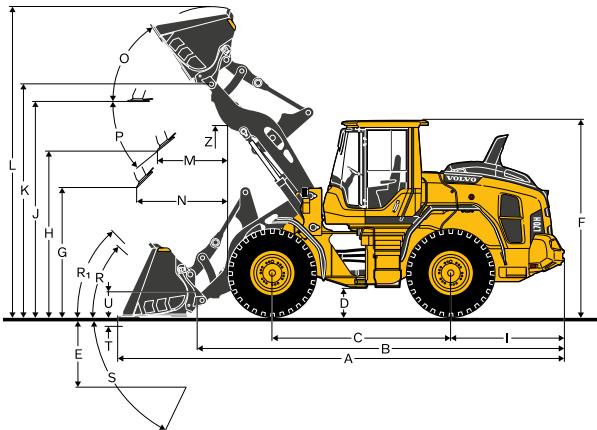
Tires 20.5 R25 L3

	mm	ft in	L70H		
			Standard boom	Long boom	
B	mm	ft in	6,080	19'11"	6,560 21'6"
C	mm	ft in	3,000	9'10"	3,000 9'10"
D	mm	ft in	450	1'6"	450 1'6"
F	mm	ft in	3,280	10'9"	3,280 10'9"
G	mm	ft in	2,134	7'0"	2,134 7'0"
I	mm	ft in	1,905	6'3"	1,905 6'3"
J	mm	ft in	3,580	11'9"	4,050 13'3"
K	mm	ft in	3,870	12'8"	4,350 14'3"
O	°		56		52
P _{max}	°		46		45
R	°		43		44
R ₁ *	°		48		49
S	°		68		73
T	mm	ft in	106	0'4"	112 0'4"
U	mm	ft in	450	1'6"	500 1'8"
X	mm	ft in	1,930	6'4"	1,930 6'4"
Y	mm	ft in	2,460	8'1"	2,460 8'1"
Z	mm	ft in	3,160	10'4"	3,500 11'6"
a ₂	mm	ft in	5,350	17'7"	5,350 17'7"
a ₃	mm	ft in	2,890	9'6"	2,890 9'6"
a ₄	±°		40		40

* Carry position SAE

Calculated with additional protective guarding

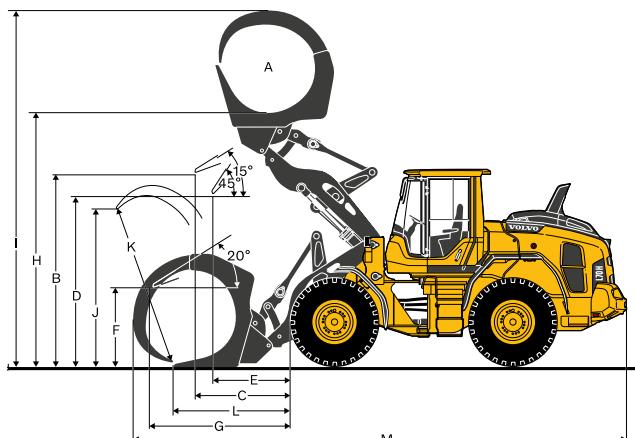
Where applicable, specifications and dimensions are according to
ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 14397, SAE J818



Tires: 20.5R25 L3

			L70H	
SAE-Load	kg	lb	3,990	8,796
Operating weight without load*	kg	lb	14,585	32,154
Grapple sales code			WLA80153	
A	m ²	yd ²	1.5	1.8
B	mm	ft in	3,380	11'1"
C	mm	ft in	1,594	5'3"
D	mm	ft in	2,870	9'5"
E	mm	ft in	1,265	4'2"
F	mm	ft in	1,502	4'11"
G	mm	ft in	2,442	8'0"
H	mm	ft in	4,378	14'4"
I	mm	ft in	6,027	19'9"
J	mm	ft in	2,141	7'0"
K	mm	ft in	2,365	7'9"
L	mm	ft in	1,800	5'11"
M	mm	ft in	7,996	26'3"

* Calculated with additional protective guarding



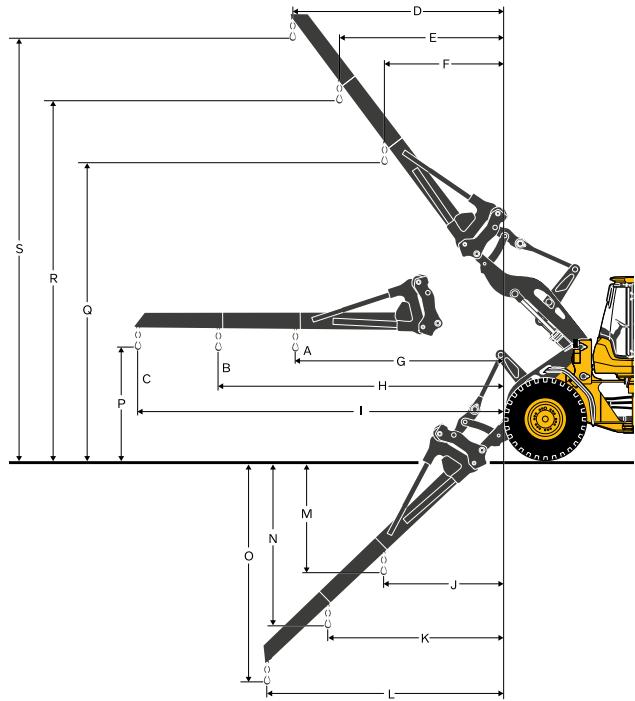
Tires: 20.5R25 L3

			L70H	
Material handling arm sales code			92007	
A*	kg	lb	2,150	4,740
B*	kg	lb	1,710	3,770
C*	kg	lb	1,400	3,086
Static tipping load, straight	kg	lb	3,583	7,899
35deg. Turn	kg	lb	3,222	7,103
at full turn	kg	lb	3,116	6,870
D	mm	ft in	2,716	8'11"
E	mm	ft in	2,106	6'11"
F	mm	ft in	1,549	5'1"
G	mm	ft in	3,323	10'11"
H	mm	ft in	4,358	14'4"
I	mm	ft in	5,492	18'0"
J	mm	ft in	1,269	4'2"
K	mm	ft in	1,744	5'9"
L	mm	ft in	2,266	7'5"
M	mm	ft in	2,176	7'2"
N	mm	ft in	3,095	10'2"
O	mm	ft in	4,102	13'5"
P	mm	ft in	1,523	5'0"
Q	mm	ft in	5,302	17'5"
R	mm	ft in	6,174	20'3"
S	mm	ft in	7,129	23'5"
Operating weight without load	kg	lb	13,451	29,654

* Op. load at full turn + tipping position

Tipping loads calculated for max. arm length

**Calculated with additional protective guarding

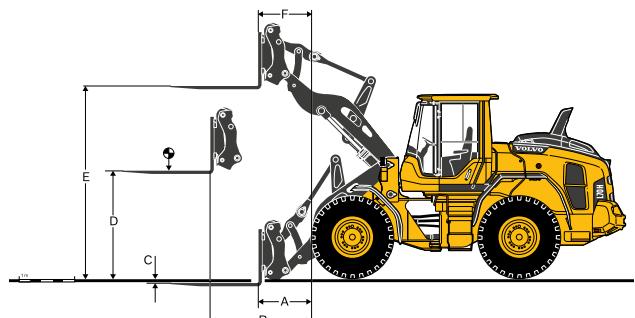


Tires: 20.5R25 L3

			L70H	
Fork frame sales code			83768	
Fork tires sales code (R/L)			80042/80044	
Static tipping load, straight	kg	lb	7,576	16,702
35deg. Turn	kg	lb	6,809	15,011
at full turn	kg	lb	6,584	14,515
at load center distance*	mm	ft in	600	2'0"
A	mm	ft in	841	2'9"
B	mm	ft in	1,616	5'4"
C	mm	ft in	-52	-1'10"
D	mm	ft in	1,859	6'1"
E	mm	ft in	3,736	12'3"
F	mm	ft in	767	2'6"
Operating weight without load	kg	lb	13,531	29,831

* Firm and level ground

**Calculated with additional protective guarding



Specifications

L70H

Tires 20.5 R25 L3	REHANDLING ⁽¹⁾		GENERAL PURPOSE						GRADING	LIGHT MATERIAL		LONG BOOM ⁽³⁾											
	WLA54427161	WLA54427160	WLA86401	WLA86404	WLA86418	WLA86407	WLA92477	WLA80562	WLA80634	WLA86418													
Volume, heaped ISO/SAE	m ³	yd ³	2.7	3.5	2.7	3.5	2.3	3.0	2.0	2.6	2.4	3.1	2.4	3.1	2.2	2.9	3.4	4.4	6.4	8.4	-	-	
Volume at 110% fill factor	m ³	yd ³	3.0	3.0	3.9	2.5	3.3	2.2	2.9	2.6	3.5	2.6	3.5	2.6	3.5	2.4	3.2	3.7	4.9	7.0	9.2	-	-
Static tipping load, straight at 35° turn	kg	lb	10,340	22,800	9,740	21,480	9,430	20,790	9,690	21,360	10,020	22,090	9,430	20,790	7,710	17,000	9,020	19,880	8,580	18,920	-1,850	-4,070	
at full turn	kg	lb	9,230	20,340	8,660	19,100	8,420	18,570	8,670	19,110	8,970	19,790	8,420	18,560	6,850	15,110	8,030	17,710	7,570	16,690	-1,690	-3,740	
Breakout force	kN	lbf	8,900	19,620	8,340	18,390	8,120	17,910	8,370	18,450	8,670	19,110	8,120	17,910	6,600	14,550	7,740	17,070	7,270	16,030	-1,660	-3,650	
A Overall length	mm	ft in	9,020	20,280	8,24	18,520	8,96	20,140	9,81	22,050	9,66	21,730	8,77	19,730	6,28	14,130	7,19	16,160	54	12,140	-1,8	-4,10	
E Digging depth, max dump (S)	mm	ft in	7,510	24,8	7,630	25,0	7,490	24,7	7,550	24,9	7,410	24,4	7,530	24,8	7,960	26,1	7,790	25,7	8,340	27,4	+460	+16	
H ⁽²⁾ Dump clearance	mm	ft in	2,730	9,0	2,660	8,9	2,750	9,0	2,710	8,11	2,800	9,2	2,730	8,11	2,350	7,8	2,520	8,3	2,140	7,0	+490	+17	
L Overall operating height	mm	ft in	5,290	17,4	5,360	17,7	5,160	16,11	5,100	16,9	5,120	16,10	5,190	17,0	4,710	15,6	5,440	17,0	5,780	19,0	+470	+17	
M ⁽²⁾ Dump reach	mm	ft in	1,140	3,9	1,220	4,0	1,140	3,9	1,180	3,10	1,080	3,6	1,160	3,10	1,350	4,5	1,340	4,5	1,730	5,8	-20	-0,1	
N ⁽²⁾ Reach at 45° discharge, pos. G	mm	ft in	1,630	5,4	1,670	5,6	1,650	5,5	1,660	5,5	1,610	5,4	1,660	5,5	1,570	5,2	1,680	5,6	1,730	5,8	+400	+14	
V Bucket width	mm	in	2,750	10,8	2,750	10,8	2,650	10,4	2,650	10,4	2,650	10,4	2,650	10,4	2,650	10,4	2,650	10,4	2,750	10,8	0	+0,0	
a1 Outer clearance circle (diameter)	mm	ft in	12,070	39,7	12,120	39,9	11,950	39,3	11,990	39,4	11,910	39,1	11,970	39,3	12,480	41,0	12,140	39,10	12,600	41,4	+540	+1,6	
Operating weight without load	kg	lb	14,090	31,080	14,350	31,640	13,750	30,330	13,660	30,120	13,510	29,790	13,770	30,370	14,010	30,890	13,960	30,780	14,500	31,980	+260	560	

(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.

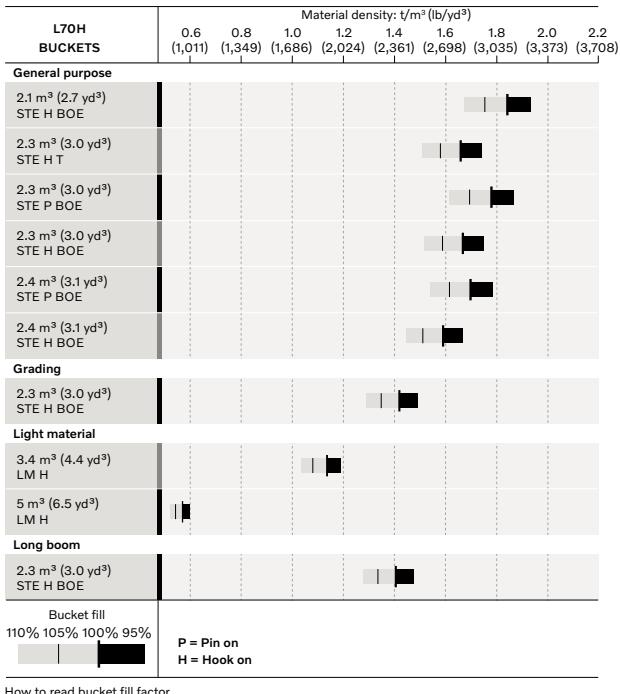
Bucket Selection Chart

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 1.55 t/m³ (2,610 lb/yd³).

Result: The 2.6 m³ (3.4 yd³) bucket carries 2.7 m³ (3.5 yd³). For optimum stability always consult the bucket selection chart.

Material	Bucket fill, %	Material density	ISO/SAE bucket volume		Actual volume				
			t/m ³	lb/yd ³	m ³	yd ³	m ³	yd ³	
Earth/ Clay	~ 110	~ 1.55	~ 2,610	2.5	3.3	2.7	3.5		
		~ 1.45	~ 2,440	2.6	3.4	2.9	3.8		
		~ 1.40	~ 2,360	2.8	3.7	3.1	4.0		
Sand/ Gravel	~ 105	~ 1.65	~ 2,780	2.5	3.3	2.6	3.4		
		~ 1.55	~ 2,610	2.6	3.4	2.7	3.5		
		~ 1.50	~ 2,530	2.8	3.7	2.9	3.7		
Aggregate	~ 100	~ 1.75	~ 2,950	2.5	3.3	2.5	3.3		
		~ 1.65	~ 2,780	2.6	3.4	2.6	3.4		
		~ 1.60	~ 2,700	2.8	3.7	2.8	3.7		
Rock	≤ 100	~ 1.80	~ 3,030	2.2	2.9	2.2	2.9		



How to read bucket fill factor

Supplemental Operating Data

Tires 20.5 R25 L3	Standard boom				Long boom	
	20.5 R25 L2 *		600/65 R25 L3		600/65 R25 L3	
Width over tires	mm	ft in	+10	+0,4	+100	+4,0
Ground clearance	mm	ft in	0	0	-20	-0,8
Tipping load, full turn	kg	lb	+40	+90	-50	-110
Operating weight	kg	lb	+90	+200	+10	+20
* Snow tires					+10	+20

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

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)
 - Co Pilot available
 - Rearview camera in Co pilot
- Max Boom height

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

- Volvo Copilot with Rearview camera standard
- 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
- Operator's seat, Comfort ISRI, 2pt seat belt
- 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)
- ACC control panel, with Fahrenheit scale
- Anchorage for Operator's manual

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

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
- 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

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

Cab

- 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, Comfort ISRI, 3pt seat belt
- Operator's seat, Premium Comfort ISRI
- Operator's seat, Premium Comfort ISRI 3-point seat belt
- Armrest, operator's seat, ISRI, left only
- 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 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
- Outside steel protection cab
- Rear view mirrors long arm, cab
- Reinforced windshield, flat

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	
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	
Electrical	
Battery disconnect switch, additional in cab	
Anti-theft device	
Emergency stop	
License plate holder, lighting	
Reduced function working lights when reverse gear activated	
Side marker lamps	
Forward camera, 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	
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	
Can Bus Interface	
Delayed Engine Shutdown	
Protective equipment	
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	
External equipment	
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	
Other equipment	
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	
Tires and Rims	
20.5R25	
600/65R25	
620/75R26 Agriculture application only	
750/65R26 Agriculture application only	
Attachments	
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	

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