

Volvo Wheel Loaders 11.0-17.3 t 167-186 hp



Volvo Construction Equipment

# L90H

Leave the heavy-duty work for the L90H, 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 industryleading, 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 axel 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 lifting height by 72mm



### Increased productivity

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



### **Greater access**

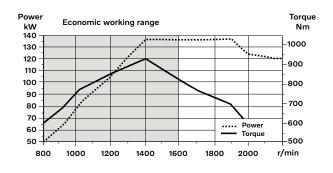
- Cooler installation slides out for easier cleaning
- Repositioned fill spouts for transmission and engine oil
- Ground-level access to service points
- Electronically-operated engine hood

# Volvo L90H 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	1 400 - 1 900
ISO 14396 gross	kW	137
	hp	186
ISO 9249, SAE J1349 net	kW	137
	hp	186
Max. torque at	r/min	1 400
ISO 14396 gross	Nm	934
ISO 9249, SAE J1349 net	Nm	934
Economic working range	r/min	800 - 1 600
Displacement	I	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 front and rear axles, etc.

Batteries	V	2 x 12
Battery capacity	Ah	2 x 110
Cold cranking capacity, approx	А	680
Alternator rating	W/A	3 135/80
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	I 2 x 0.5+1 x	1.0
Accumulators for parking brake	I 1x	1.0

Lift Arm System		
Torque parallel linkage (TP-linkage) with hi lift-arm action.	igh breakout torq	ue and parallel
Lift cylinders		2
Cylinder bore	mm	120
Piston rod diameter	mm	70
Stroke	mm	744
Tilt cylinder		1
Cylinder bore	mm	180
Piston rod diameter	mm	90
Stroke	mm	430
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 Cymae Si Two double dealing Cymra	0151	
Steering cylinders		2
Cylinder bore	mm	80
Rod diameter	mm	50
Stroke	mm	345
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 11 manual speed settings. 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), FOPS (ISO 3449). The cab meets with requirements according to ISO 6055 (Operator overhead protection - Industrial trucks) and SAE J386 (Operator Restraint System).

Emergency exit: Use emergency hammer to break window				
Ventilation	m³/min	9		
Heating capacity	kW	16		
Air conditioning (optional)	kW	75		
Sound Level				
Sound pressure level in cab according to IS	60 6396			
L <sub>pA</sub>	dB	68		
External sound level according to ISO 639 2000/14/EC	5 and EU Noise	Directive		
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	I	222
DEF/AdBlue <sup>®</sup> tank	I	20
Engine coolant	I	30
Hydraulic oil tank	I	90
Transmission oil (non lock-up)	I	21
Transmission oil (lock-up)	I	22
Engine oil	I	20
Axle oil front	I	35
Axle oil rear	I	27

4

#### 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 n 2

MPa	31
l/min	171
MPa	10
r/min	1900
MPa	21
l/min	33
MPa	10
r/min	1900
MPa	3.5
S	5.7
s	2.3
S	4
s	12
	I/min MPa r/min MPa I/min MPa r/min MPa s s s

#### 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 Fumerent gear 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.

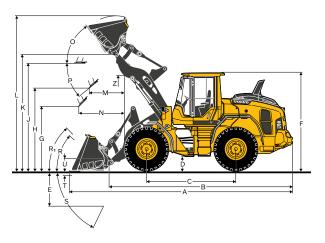
Transmission	Volvo:	HTE 125C Non Lock-up / HTE 125 Lock-up
Torque multiplication, stall ratio		2.5:1 Non Lock-up / 2.59:1 Lock-up
Maximum speed		
1st gear	km/h	Converter 6.5 / Lock-up 6.5
2nd gear	km/h	Converter 14 / Lock-up 14
3rd gear	km/h	Converter 26 / Lock-up 27
4th gear	km/h	Converter 46 / Lock-up 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	0	13

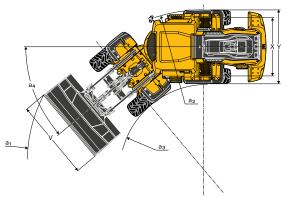


# **Specifications**

Tires 20.5 R25 L3

		L90H	
		Standard boom	Long boom
В	mm	6 170	6 600
С	mm	3 050	3 050
D	mm	450	440
F	mm	3 280	3 280
G	mm	2 132	2 132
J	mm	3 730	4 140
К	mm	4 040	4 460
0	0	57	58
P <sub>max</sub>	0	45	44
R	o	44	47
R <sub>1</sub> *	0	49	53
S	٥	67	65
Т	mm	112	123
U	mm	480	570
Х	mm	1960	1960
Υ	mm	2 490	2 490
Z	mm	3 460	3 910
a <sub>2</sub>	mm	5 430	5 430
a <sub>3</sub>	mm	2 940	2 940
a4	±°	40	40
* Carry position SA	F		



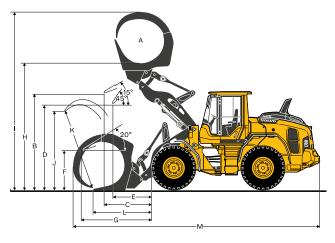


 $\ensuremath{^*}\xspace$  Carry position SAE

 $\label{eq:Calculated} \mbox{with additional protective guarding}$ 

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

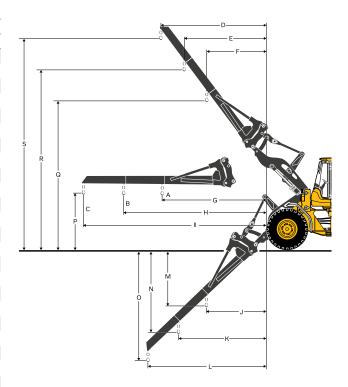
Tires: 20.5R25 L3				
		L90H		
SAE-Load	kg	4 600		
Operating weight without load*	kg	16 645		
Grapple sales code		80 832		
A	m2	2.4		
В	mm	3 487		
С	mm	1 703		
D	mm	2 865		
E	mm	1 319		
F	mm	1 4 4 1		
G	mm	2 740		
Н	mm	4 613		
I	mm	6 664		
J	mm	2 786		
К	mm	2 990		
L	mm	2 131		
Μ	mm	8 469		



\* Calculated with additional protective guarding

#### Tires: 20.5R25 L3

		L90H
Material handling arm sales code		92 008
A*	kg	2 760
B*	kg	2 130
C*	kg	1 740
Static tipping load, straight	kg	4 289
35deg. Turn	kg	3 834
at full turn	kg	3 700
D	mm	2 486
E	mm	1894
F	mm	1 3 0 1
G	mm	3 253
н	mm	4 387
1	mm	5 520
J	mm	1339
К	mm	1 889
L	mm	2 439
Μ	mm	2 051
Ν	mm	3 043
0	mm	4 034
P	mm	1520
Q	mm	5 403
R	mm	6 370
S	mm	7 336
Operating weight without load	kg	14 833



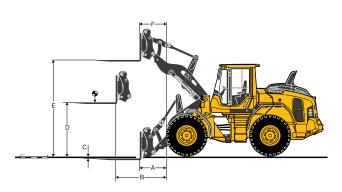
\* Op. load at full turn + tipping position Tipping loads calculated for max. arm length %  $\left( f_{i} \right) = \left( f_{i} \right) \left($ 

 $^{\star\star} Calculated$  with additional protective guarding

Tires: 20.5R25 L3				
		L90H		
Fork frame sales code		83770		
Fork tines sales code (R/L)		80106/80107		
Static tipping load, straight	kg	8 904		
35deg. Turn	kg	7 947		
at full turn	kg	7 664		
at load center distance*	mm	600		
A	mm	932		
В	mm	1 679		
С	mm	-4		
D	mm	1800		
E	mm	3 841		
F	mm	641		
Operating weight without load	kg	14 928		

Operating weight without load \* Firm and level ground

\*\*Calculated with additional protective guarding



# **Specifications**

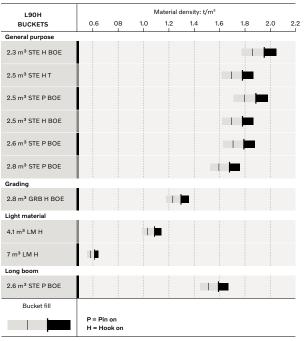
L90H*											
BR 20,5R25 VJT L3			GENERAL PURPOSE			GRADING	LIGHT MATERIAL		LONG BOOM		
		6	6		6			êÐ,	6		
		2.3 m <sup>3</sup> STE H BOE	2.5 m <sup>3</sup> STE H T	2.5 m <sup>3</sup> STE P BOE	2.5 m <sup>3</sup> STE H BOE	2.6 m <sup>3</sup> STE P BOE	2.8 m <sup>3</sup> STE P BOE	2.8 m <sup>3</sup> GRB H BOE	4.1 m <sup>3</sup> LM H	7 m <sup>3</sup> LM H	2.6 m <sup>3</sup> STE P BOE
Volume, heaped ISO/SAE	m <sup>3</sup>	2.3	2.5	2.5	2.5	2.6	2.8	2.8	4.1	7.0	2.6
Volume at 110% fill factor	m³	2.5	2.8	2.8	2.8	2.9	3.1	3.1	4.5	7.7	2.9
Static tipping load, straight	kg	11 410	11 330	11 940	11 320	11 820	11 910	9 260	10 820	10 530	-1800
at 35° turn	kg	10 120	10 030	10 620	10 030	10 500	10 580	8 190	9 550	9 250	-1 650
at full turn	kg	9 730	9 650	10 220	9 650	10 110	10 190	7 870	9 180	8 870	-1 600
Breakout force	kN	134.9	129.9	141.3	127.1	133.8	135.5	92.2	100.7	87.0	+1.7
A	mm	7 600	7 850	7 550	7 690	7 630	7 610	8 170	8 050	8 350	+410
E	mm	1200	1 410	1 150	1280	1220	1200	1760	1600	1860	-10
Н	mm	2 890	2 730	2 920	2 830	2 870	2 880	2 400	2 610	2 410	+430
L	mm	5 450	5 510	5 4 4 0	5 530	5 520	5 500	4 900	5 630	5 840	+420
Μ	mm	1 010	1 170	960	1 070	1 0 2 0	1000	1 210	1350	1560	-50
Ν	mm	1 670	1720	1650	1700	1 670	1660	1 520	1 710	1 710	+360
V	mm	2 650	2 650	2 650	2 500	2 500	2 750	2 880	2 750	3 000	0
a1 clearance circle	mm	12 140	12 290	12 130	12 060	12 040	12 250	12 980	12 500	12 920	+340
Operating weight	kg	15 560	15 630	15 380	15 600	15 390	15 360	15 700	15 850	16 280	+290
*Calculated with additional pro	toothio										

\*Calculated with additional protective guarding.

#### **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/m3	ISO/SAE bucket volume, m3	Actual volume, m3
Earth/Clay	~ 110	~ 1.55 ~ 1.45 ~ 1.4	2.1 2.3 2.4	2.3 2.5 2.6
Sand/Gravel	~ 105	~ 1.6 ~ 1.5 ~ 1.45	2.1 2.3 2.4	2.2 2.4 2.5
Aggregate	~ 100	~ 1.8 ~ 1.7 ~ 1.6	2.1 2.3 2.4	2.1 2.3 2.4
Rock	≤100	~ 1.7	1.6	1.6



How to read bucket fill factor

#### Supplemental Operating Data

		Standa	Long boom	
Tires 20.5 R25 L3		20.5 R25 L2	650/65 R25 L3	650/65 R25 L3
Width over tires	mm	+4	+164	+164
Ground clearance	mm	-8	-4	+12
Tipping load, full turn	kg	-70	+315	+287
Operating weight	kg	-111	+545	+543

Calculated with 2.6 m<sup>3</sup> STE P BOE, additional protective guarding

# 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	
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)	

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

Outboard mounted circulating oil cooled wet disc brakes on all four wheels

# Equipment

STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
Cab	Hydraulic system
ROPS (ISO 3471), FOPS (ISO 3449)	Arctic kit: Attachment locking, pilot hoses and hydraulic oil
Single key kit door/start	Attachment bracket, cast, visibility-optimized
Acoustic inner lining	Attachment bracket, side-tilting
Cigarette lighter, 24 V power outlet	Separate attachment locking, long boom
Lockable door	Separate attachment locking, standard boom
Cab heating with fresh air inlet and defroster	Single acting lifting function
Fresh air inlet with two filters	Boom suspension system
Automatic heat control	Hydraulic fluid, biodegradable, Volvo
Floor mat	Hydraulic fluid, fire resistant
Dual interior lights	Hydraulic fluid, for hot climate
Interior rearview mirrors	Detent for 3rd hydraulic function
Dual exterior rearview mirrors	Adjustable flow for 3rd hydraulic function
Sliding window, right side	Hydraulic, 2 functions Electro-servo, std/long boom
Tinted safety glass	Hydraulic, 3 functions Electro-servo, std/long boom
Retractable seatbelt (SAE J386)	Hydraulic, 4 functions Electro-servo, std/long boom
Adjustable steering wheel	Single lever control, 2 funct Electro-servo, std/long boom
Storage compartment	Single lever control, 2 funct Electro-servo, std/long boom
Document pocket	Single lever control, 4 funct Electro-servo, std/long boom
Sun visor	Brake system
Beverage holder	Stainless steel, brake lines
5	Axle oil cooler
Windshield washer front and rear Windshield wipers front and rear	
	Parking brake alarm, audible Cab
Interval function for front and rear wipers	
Foot step, left side (toolbox lockable included)	ACC control panel, with Fahrenheit scale
Service and maintenance	Anchorage for Operator's manual
Engine oil remote drain and fill	Asbestos dust protection filter
Transmission oil remote drain and fill	Automatic Climate Control, ACC
Sliding hydraulic oil cooler and AC-condenser	Automatic Climate Control, ACC, corrosion protection condenser
Lubrication manifolds, ground accessible	Cab air pre-cleaner, cyclone type
Pressure test ports: transmission and hydraulic, quick connects	Carbon filter - cab
Service platforms with anti-slip surfaces	Remote door opener
Quick-fit hydraulic oil fill	Lunch box holder
CareTrack	Operator's seat, Volvo air-suspended, heavy-duty, high back, heated
Telematics, 6 -year subscription	Operator's seat, Volvo air-susp, 3-point seatbelt
Toolbox, lockable	Operator's seat, ISRI, heated, high back
External equipment	Operator's seat, ISRI, low back
Basic fenders, front and rear	Operator's seat, Premium Comfort ISRI
Viscous cab mounts	Operator's seat, Premium Comfort ISRI 3-point seat belt
Rubber engine and transmission mounts	Armrest, operator's seat, ISRI, left only
Engine hood, electronically openable	Armrest, operator's seat, Volvo, left
Frame, joint lock	Safety belt, 3" (75mm) width
Vandalism lock for engine compartment	Safety belt warning
Lifting eyes	Radio installation kit including 12 volt outlet, left-side
Tie down eyes	Radio installation kit including 12 volt outlet, right-side
Tow hitch	Radio installation kit, 12V, for USA
Counterweight, pre-drilled for optional guards	Radio with AUX, Bluetooth and USB connection
	DAB Radio

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

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

Cab, Hot applications. Roof, steel

Rear view mirrors, el.adjusted and heated

Rear view mirrors, long arm right Rear view mirrors, el.adjusted and heated, long arm right

Subwoofer Forward view mirror

Steering wheel knob Sun blinds, rear windows Sun blinds, side windows Timer cab heating Universal door/ignition key Window, sliding, door

Fire extinguisher cab Outside steel protection cab

OPTIONAL EQUIPMENT	OPTIONAL EQUIPMENT
Electrical	External equipment
Battery disconnect switch, additional in cab	Deleted front mudguards
Anti-theft device	Fire extinguisher
Headlights, assym. left	Bracket for fire extinguisher
Headlights, assym. right LED	Fire suppression system
Headlights, assym. left LED	Mudguards, full cover, rear for 80-series tires
Emergency stop	Mudflap kit for mudguards, full cover for 80-series tires
License plate holder, lighting	Mudguards, full cover, rear and front/rear for 65-series tires
Reduced function working lights when reverse gear activated	Mudflap kit for mudguards, full cover for 65-series tires
Side marker lamps	Footsteps front frame
Forward camera, colour	Footsteps, right-hand side
Rear view camera including monitor, colour	Flexible rear step
Rear view mirrors, long arm, right side	Cab ladder, rubber suspended
Rearview mirrors, adjustable, el. heated	Other equipment
Reverse alarm	CareTrack, GSM/Satellite
Reverse lights	CE-marking
Reversing warning light	Comfort Drive Control (CDC)
Reverse warning light, strobe lightning	Comfort Drive Control (CDC) Electro-servo
Warning beacon (flasher), LED automatic	Secondary steering
Warning beacon (flasher), LED	Counterweight, logging
Seatbelt indicator, external	Counterweight, signal painted, chevrons
Working lights, attachments, 1 LED	Option for machines without dinitrol
Warning beacon LED	Noise reduction kit, EU excluding decal
Warning beacon LED automatic	Sign, 50 km/h
LED Head Light	Sign, slow moving vehicle
LED tail light	Tires and Rims
LED working lights, attachments	20.5R25
LED working lights on cab, front and rear	600/65R25
LED working lights on cab, front, 2 alt. 4 LED lamps	650/65R25
LED working lights on cab, rear, 2 alt. 4 LED lamps	620/75R26 Agriculture application only
LED working lights, rear in grille, 2 LED lamps	750/65R26 Agriculture application only
LED working lights, front above head lamps, 2 LED lamps	Attachments
LED work lights, side on cab, 4 LED lamps	Buckets:
LED light packages	Straight
Working lights halogen, attachments	Spade nose
Working lights on cab halogen, front and rear	High tipping
Working lights on cab halogen, rear	Light material
Co Pilot available	Grading
Rearview camera in Co pilot	Wear parts:
Max Boom height	Bolt-on edge
Can Bus Interface	Bolt-on or weld-on bucket teeth
Delayed Engine Shutdown	Segments
Protective equipment	Log grapples
Anti-theft device	Fork equipment
Bellyguard front	Material handling arm
Bellyguard rear	Snow blade
Boom cylinder hose and tube guards	Broom
Cab roof, heavy duty	Sand spreading bucket
Center hinge and rear frame guard	Bale clamp
Corrosion protection, painting of machine	Drum rotator
Cover plate front frame, heavy-duty	
Cover plate, under cab	
Cover plates rear frame	
Guards for front headlights	
Grease nipple guards	
Grease hipple guards Guards for radiator grill	
Guards for tail lights, heavy-duty Wheel/axle seal guards	
, 6	
Window guards, side and rear	

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.





### Founded in 1974...

CJD Equipment are in the industry for the long term and have the skills and knowledge to support you and your equipment. CJD Equipment takes great pride in being Volvo CE's first and only authorised partner in Australia for three decades. Together, we provide a full range of machinery ideally suited to Australia's unique landscapes and industry requirements. These products are fully supported through a nationwide network of branches, and carefully selected dealers and service agents, strategically positioned to ensure total support.

With fully equipped parts warehouses in every capital city, and dealers throughout major regional towns, we have the support network in place to ensure you're well supported, no matter where you or your machines are. Ongoing in-house training programs ensures our technicians' skills keep pace with the latest technology and product advances.

Visit www.cjd.com.au to read more about our history, range of products and to locate your local branch or dealer.

