

VOLVO WHEEL LOADERS
SEMI-OPEN CAB
L60E, L70E, L90E



VOLVO

Volvo Wheel Loader Semi-Open Cab – Bringing the outside world... in



Introducing the Volvo L60E, L70E, and L90E, now with a semi-open cab, offering the ideal solution for applications where easy access and effective ground communication are vital to completing the job. The Volvo semi-open cab wheel loaders combine all the outstanding benefits of the E-Series wheel loaders with those features necessary for working in open environments. So, if your operation involves, for example, land clearing, general contracting, pipe/utility work, or landscaping, you'll be hard pressed to find any other loaders able to match the performance of our proven E-series wheel loaders.

The semi-open Volvo Care Cab

Volvo Care Cab has long been recognized as one of the industry's most advanced operator environments. The semi-open cab offers the same ergonomic design and functionality found in the enclosed Care Cab, including a ROPS and FOPS structure tested and approved according to all applicable standards. All instrumentation and switches are grouped on either the central dashboard or the right hand console. Both are specially designed to keep the elements out, while keeping the important machine information in front of the operator. Additional protection from the elements is provided

by the front windshield, rear window, and front and rear wipers and washers. The semi-open cab also boasts a fully adjustable seat with a weatherproof vinyl seat cover and a heavy-duty rubber floormat, both of which are easy to clean after a full day's work. A standard vandalism kit, including integrated panel protection covers and a lockable storage compartment, keeps your loader safe from unwanted intruders.

The Volvo advantage

Naturally, all semi-open cab machines are equipped with Volvo's well-known

E-series features like high performance, low emission engines, transmissions with the Automatic Power Shift (APS) gearshifting system, load sensing hydraulics, visibility optimized Torque-Parallel linkage, and Contronic monitoring system. Together with Volvo Wheel Loaders' extensive range of Genuine attachments, these machines are optimized for outstanding power, high productivity, and low fuel consumption - even on your toughest hot weather jobs.



	L60E	L70E	L90E
● Engine rated output:	103 kW (140 hp)	113 kW (154 hp)	122 kW (166 hp)
● Bucket capacity:	1,7-5,0 m ³	2,0-6,4 m ³	2,3-7,0 m ³
● Operating weight:	10,5-12,5 t	12,5-14,5 t	15,0-17,0 t



All the functionality and durability of Care Cab - Designed to get the job done without compromise



Dashboard/right hand console with vandalism covers

All instruments and switches are grouped on either the central dashboard or right hand console, including the main information display and the Conronic keypad. The panels are designed to keep all controls dry and clean. Integrated steel vandalism covers keep your cab safe while you're not around.

Convenient and weather resistant controls

Easy to operate fingertip hydraulic controls and a right hand forward/reverse switch are standard equipment. All buttons and switches are weather resistant and well protected from the elements.

Easy to clean

The fully adjustable suspended seat is covered with vinyl to keep rain, dust, and dirt from soaking through. Together with the heavy-duty rubber floor mat, the seat can be hosed down with water when cleaning is necessary.

Durable steel panels

All interior panels are now constructed of durable steel. The panel fitted to the rear wall protects the cab's internal electrical system both from the weather and vandalism. The lockable fuse/relay panel uses rubber weatherstripping to keep water and dirt from contaminating the compartment.

STANDARD EQUIPMENT

Engine

Three stage air cleaner with ejector and inner filter
Indicator glass for coolant level
Preheating of induction air
Muffler, spark arresting
Fuel filter with watertrap
Crankcase with ventilation oil trap

Electrical system

24 V, prewired for optional accessories
Alternator, 24 V/55 A
Battery disconnect switch
Fuel gauge
Transmission oil temperature gauge
Coolant temperature gauge
Hour meter
Electric horn
Instrument panel with symbols
Lighting:
• Twin halogen front headlights with high and low beams
• Parking lights
• Double brake and tail lights
• Turn signals with flashing hazard light function
• Instrument lighting

Contronic, monitoring system, ECU with log and analysis system

Contronic display
Fuel consumption
Outdoor temperature
Engine shutdown to idle (selectable) for
• High engine coolant temperature
• Low engine oil pressure
• High transmission oil temperature
Start interlock when gear is engaged
Brake test
Test function for warning and indicator lights
Warning and indicator lights for:
• Charging
• Oil pressure, engine
• Oil pressure, transmission
• Brake pressure

- Parking brake
- Hydraulic oil level
- Axle oil temperature
- Primary steering
- High beams
- Turn signals
- Working lights
- Rotating beacon
- Preheating coil
- Differential lock
- Coolant temperature
- Transmission oil temperature
- Low fuel level
- Brake charging
- Level warnings:
 - Coolant level
 - Hydraulic oil level
 - Washer fluid level

Drivetrain

Automatic Power Shift with operator-controlled
de clutch function for transmission cut-out when
braking
Transmission modulated with single lever control
PWM-control between different gear positions
(L90E)
Forward and reverse switch also by the hydraulic
lever console
Differentials:
front: 100% hydraulic diff lock
rear: conventional

Brake system

Wet oil circulation cooled disc brakes on all four
wheels, outboard mounted
Dual brake circuits, front and rear
Dual service brake pedals
Secondary brake system
Parking brake, el.-hydraulic
Brake wear indicator

Cab

ROPS (SAE J11040CC, ISO 3471), FOPS (SAE
J231, ISO 3449)
Floor mat
Interior rear-view mirror

2 exterior rear-view mirrors
Tinted safety glass
Hip retractable seatbelt (SAE J386)
Adjustable lever console
Ergonomically designed vinyl operator's seat with
adjustable suspension
Storage compartment, lockable
Sun visor
Beverage holder
Windshield washers front and rear
Windshield wipers front and rear
Interval function for front and rear windshield wipers
Service platforms with anti-slip surfaces on front and
rear fenders
Speedometer
Adjustable steering wheel

Hydraulic system

Main valve, 2-spool
Pilot valve, 2-spool
Variable displacement axial piston pumps for:
• working hydraulics
• steering system, pilot hydraulics and brakes
• fan motor
Boom lowering system (float)
Boom lever detent, adjustable
Boom kickout, automatic, adjustable
Bucket positioner, automatic with position indicator,
adjustable
Hydraulic oil cooler

External equipment

Noise and vibration dampening suspension of cab,
engine and transmission
Lifting lugs
Tie-down lugs
Easy-to-open side panels and engine hood
Frame steering, joint lock
Vandalism lock prepared for batteries, engine com-
partment, radiator, dashboard and interior panels
Towing hitch

OPTIONAL EQUIPMENT

(Standard on certain markets)

Service and maintenance

Tool box, lockable (L90E)
Tool kit
Wheel nut wrench kit

Engine equipment

Oil bath pre-cleaner
Turbo air cleaner
Fuel fill strainer
Coolant filter
Sy-klone pre cleaner
Reversible fan

Electrical system

Air filter for alternator
Alternator, 80 A
Attachment working light
Halogen working lights (2 front and 2 rear)
Extra working lights front
Extra working lights rear
Acoustic back-up signal
Rotating beacon, collapsible
Warning beacon, flashing strobe light
Indicator lamps
Reverse lights
12 Volt outlet

Cab

Retractable seatbelt, longer and wider than standard
Armrest (left) for ISRI operator seat
Steering knob

Drivetrain

Diff lock front 100%, limited slip rear
Speed limiter 20 km/h, 30 km/h

Hydraulic system

Single lever control
Single lever control for 3rd hydraulic function
3rd hydraulic function
Boom Suspension System
Biodegradable hydraulic fluid
Attachment bracket, cast, visibility optimized
Separate attachment locking

External equipment

Mudguards, full coverage
Mudflap kit for mudguards
Logging counterweight
Deletable front mudguards and rear wideners
Footstep, right hand side including toolbox (L60E/
L70E)

Protective equipment

Guards for front headlights
Guards for taillights
Windshield guard
Bellyguards, front and rear
Cover plates, rear frame
Radiator grille guard
Battery boxes, steel
Grease nipple guards
Wheel/axle seal guards
Center hinge and rear frame guards
Cover plate, heavy-duty for front frame
Cover plate, under cab
Boom cylinder hose and tube guards

Other equipment

Sign, slow moving vehicle
Single acting lifting function
Sign 50 km/h

Tires

17.5 R25 (L60E)
20.5 R25 (L60E, L70E, L90E)
650/65 R25 (L90E)
600/65 R25 (L60E, L70E)

Attachments

Buckets:
• Straight with/without teeth
• Spade nose with/without teeth
• Flat floor
• Grading
• High tipping
• Light material
Bolt-on and weld-on bucket teeth
Cutting edge in three sections, bolt-on
Fork equipment
Material handling arm
Log grapples

*For complete machine specifications, refer to Volvo
L60E, L70E and L90E product brochures.*



Technology on Human Terms

Volvo Construction Equipment is one of the world's leading manufacturers of construction machines, with a product range encompassing wheel loaders, excavators, articulated haulers, motor graders and more.

The tasks they face vary considerably, but they all share one vital feature: technology which helps man to perform better: safely, efficiently and with care of the environment. We refer to it as Technology on Human Terms.

The sheer width of the product range means it is always possible to choose exactly the right machine and attachment for the job. Each machine also comes with the quality, continuity and security which is represented by the Volvo

name. The strength of the service and parts organizations; the security of always having immediate access to leading-edge research and technical development are part of the Volvo name. A machine from Volvo meets the very highest demands in all kinds of jobs, under all conditions, the world over.

Volvo Construction Equipment develops, manufactures and markets construction equipment. We are a Volvo company with production facilities on four continents and a market presence in over 100 countries.

For more information please visit our website:
www.volvo.com

All products are not available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

Construction Equipment

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