

**VOLVO WHEEL LOADERS**  
**OPEN CAB**  
**L60E, L70E, L90E**



**VOLVO**

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



Introducing the Volvo L60E, L70E, and L90E, now with an open cab, offering the ideal solution for applications where easy access and effective ground communication are vital to completing the job. The Volvo 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 open Volvo Care Cab

Volvo Care Cab has long been recognized as one of the industry's most advanced operator environments. The 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. The open cab

also boasts a fully-adjustable seat with a weatherproof vinyl seat cover and a heavy-duty rubber floor mat, 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 optional semi-open cab kit includes the front windshield, rear window, and front and rear wipers and washers for those applications where extra protection is needed.

## The Volvo advantage

Naturally, all open cab machines are

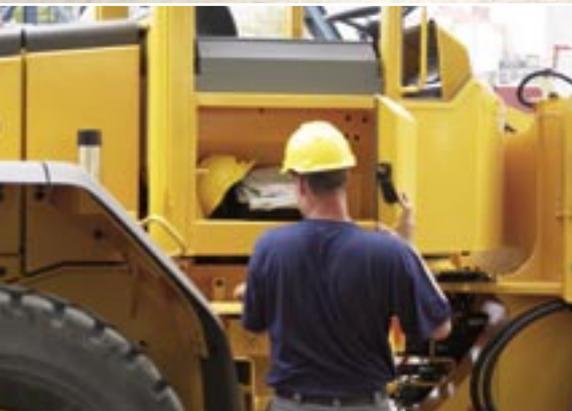
equipped with Volvo's well-known E-series features like high-performance, low-emission engines, transmissions with the Automatic Power Shift (APS) gearshifting system, load-sensing hydraulics, visibility-optimized Torque Parallel Linkage, and Contronic monitoring system. Together with Volvo Wheel Loaders' 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.

\* Optional equipment



Semi-open cab kit shown\*

	<b>L60E</b>	<b>L70E</b>	<b>L90E</b>
● Engine rated output:	103 kW (140 hp)	113 kW (154 hp)	122 kW (166 hp)
● Bucket capacity:	1,7-5,0 m <sup>3</sup> (2.2-6.6 yd <sup>3</sup> )	2,0-6,4 m <sup>3</sup> (2.6-8.4 yd <sup>3</sup> )	2,3-7,0 m <sup>3</sup> (3.0-9.2 yd <sup>3</sup> )
● Operating weight:	10,5-12,5 t (23,150-27,560 lb)	12,5-14,5 t (27,560-31,970 lb)	15,0-17,0 t (33,070-37,480 lb)



# 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 Contronic 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  
Fuel fill strainer  
Coolant filter  
Crankcase with ventilation oil trap

### Electrical system

24 V, prewired for optional accessories  
Alternator, 24 V/55 A  
Reverse alarm  
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

### Drivetrain

Automatic Power Shift with operator-controlled declutch function for transmission cut-out when braking  
Transmission modulated with single lever control  
PWM-control between different gear positions (L90E)  
Forward and reverse switch by the 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 J1040CC, ISO 3471), FOPS (SAE J231, ISO 3449)  
Floor mat  
Interior rearview mirror  
2 exterior rearview mirrors

Hip retractable seatbelt (SAE J386)  
Adjustable lever console  
Ergonomically-designed vinyl operator's seat with adjustable suspension  
Storage compartment, lockable  
Sun visor  
Beverage holder  
Service platforms with anti-slip surfaces on front and rear fenders  
Speedometer  
Tilt/telescopic 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  
Attachment bracket (L60E, L70E)  
Separate attachment locking (L60E, L70E)

### 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  
Articulation frame lock  
Vandalism lock prepared for batteries, engine compartment, radiator, dashboard and interior panels  
Towing hitch  
Battery boxes, steel  
Cover plates, rear frame  
Three piece wheel rims  
Footstep, right-hand side including toolbox (L60E/L70E)

### Tires

17.5R25 (L60E)  
20.5R25 (L70E, L90E)

## OPTIONAL EQUIPMENT

(Standard in certain markets)

### Service and maintenance

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

### Engine equipment

Oil bath precleaner  
Turbo air cleaner  
Sy-klone precleaner  
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  
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  
Semi-open cab kit

### Drivetrain

Diff. lock front 100%, limited slip rear differential  
Speed limiter 12 mph, 9 mph

### Hydraulic system

Single lever control  
Single lever control for 3rd hydraulic function  
3rd hydraulic function  
Boom Suspension System  
Biodegradable hydraulic fluid  
Attachment bracket (L90E)  
Separate attachment locking (L90E)

### External equipment

Mudguards, full coverage  
Mudflap kit for mudguards  
Logging counterweight  
Deletable front mudguards and rear widener

### Protective equipment

Guards for front headlights  
Guards for tail lights  
Windshield guard  
Bellyguards, front and rear  
Radiator grille guard  
Grease zerk 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

### Tires

20.5R25 (L60E)  
650/65R25 (L90E)  
600/65R25 (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  
Bucket spill guard  
Fork equipment  
Material handling arm  
Log grapples

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



## Technology on Human Terms

The 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 compact equipment.

The tasks they face vary considerably, but they all share one vital feature: technology that helps man 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 security of the service and parts organization; 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 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.*

*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

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