



Volvo Construction Equipment

# VOLVO SIMULATORS

## PRODUCT LIST



# TAKE IT UP A LEVEL

Reducing costs, while increasing productivity and safety, is a challenge that customers face every day. Reliable and efficient machines play an important part in achieving this, but it is the performance of the operator that really makes the difference.

Whether you need to hire, train or evaluate, with a Volvo Simulator you can do it all, and without needing to take a machine out of production. Volvo Simulators use the latest technology to take operator development to the next level.





# VOLVO EXCAVATOR SIMULATOR

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## Base Package:

- 55" industrial grade display
- Original Volvo controls. (I-ECU & V-ECU)
- High performance motion base
- Plug and Play



## Volvo Excavator Simulator

Item No: S 500 515

The simulator application features both the EC210 and the EC750 excavator. The simulator covers a wide range of training possibilities with a multitude of training scenarios:

- Basic operation
- Quick fit system
- Rock handling
- Moving and positioning the machine
- Earth moving
- Grading, leveling and precision operation using tilt rotator
- Pallet handling using tilt rotator
- Interchangeable operating pattern



# VOLVO EXCAVATOR APPLICATION



## Pipelayer Application (Option):

Item No: S 501 346

Based on a PL3005 the pipelayer application features a full training package for basic operation. It features an on screen LMI and can be extended with team training modules as an option.

- On screen LMS (Load Management System)
- Interchangeable operating pattern
- Basic operation
- Cab controls
- Swing control
- Traveling with and without load
- Lifting instructions (ISO)
- Unloading pipes
- Transporting pipes



## Demolition/High Reach Application (Option):

Item No: S 500 957

The demolition high reach package is based on a EC380 which can be equipped either with a high reach boom or a normal boom. Furthermore the operator can operate using a wide variety of attachments; grab, shear, concrete crusher and hammer.

- High reach demolition methodology
- Sorting using a grapple
- Processing using a concrete crusher
- Processing using a shear
- Breaking using a hydraulic hammer



# VOLVO WHEEL LOADER SIMULATOR

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## Base Package:

- 55" industrial grade display
- Original Volvo controls
- High performance motion base
- Plug and Play



## Volvo Wheel Loader Simulator

Item No: S 500 703

The simulator applications features both the L120 and the L180 wheel loaders. The loaders can be equipped with a multitude of different attachments to provide training for various applications. It features a wide range of training scenarios including::

- Basic machine controls and functions
- Attachment handling
- Rock handling
- Earth moving
- Pallet handling
- Forestry application
- Lifting application







Integrated video material



Authentic operator environment



Intelligent reports - Unlock the full potential of your operators via Volvo intelligent performance reports



Volvo OPS - Web based evaluation system



Industrial screens - maximum durability and world wide replacement service



Best in class simulation - Ensure your operators gain usable skills and a deep understanding of the machine



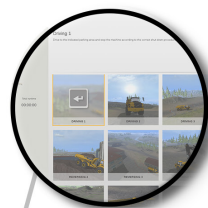
Remote support, Wifi and ethernet connection availability



Easy transport - no assembly needed after transport



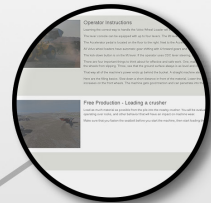




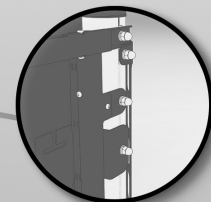
Extensive  
training  
package



Conversion kit -  
Turns into an  
Articulated  
Hauler simulator  
in minutes



Special  
application  
modules  
available



Stable and  
durable  
design



High  
performing  
motion base



Integrated  
machine  
monitor



Plug and play - single  
power outlet





# VOLVO ARTICULATED HAULER APPLICATION:

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## **Articulated Hauler Application (Add-on kit):** Item No: S 500 558

The articulated hauler application add-on package comes with additional hardware and an extensive training package both for basic operation and production optimization.

- Starting and shutting down the machine
- Driving with and without load
- Operating in high inclinations and rough terrain
- Using the ATC, Retarder and brake systems
- Production training
- Quarry operations



## **Pipe and Pole (Option):** Item No: S 502 165

The pipe and pole package focuses on handling pipes in a safe and efficient manner using a pipe and pole grapple. The module allow the operator to handle both large and small pipes in the yard as well as loading to and from a truck.

- Load and discharge trucks
- Handling pipes of different sizes



# VOLVO ARTICULATED HAULER SIMULATOR

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## Base Package:

- 55" industrial grade display
- Original Volvo controls
- High performance motion base
- Plug and Play



## Volvo Articulated Hauler Simulator:

Item No: S 502 030

The articulated hauler application comes with an extensive training package both for basic operation and production optimization.

- Starting and shutting down the machine
- Driving with and without load
- Operating in high inclinations and rough terrain
- Using the ATC, Retarder and brake systems
- Production training
- Quarry operations

## OTHER OPTIONS AND SPARE PARTS

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### **Volvo Simulation Computer (Model 500)**

S502 096

Comes pre-installed with simulator software.



### **Volvo Simulation Computer (Model 400)**

S502 114

Rack-mounted

Comes pre-installed with simulator software.



### **Transport cage Model 500**

S502 050

Multi usage (single usage included in product price)



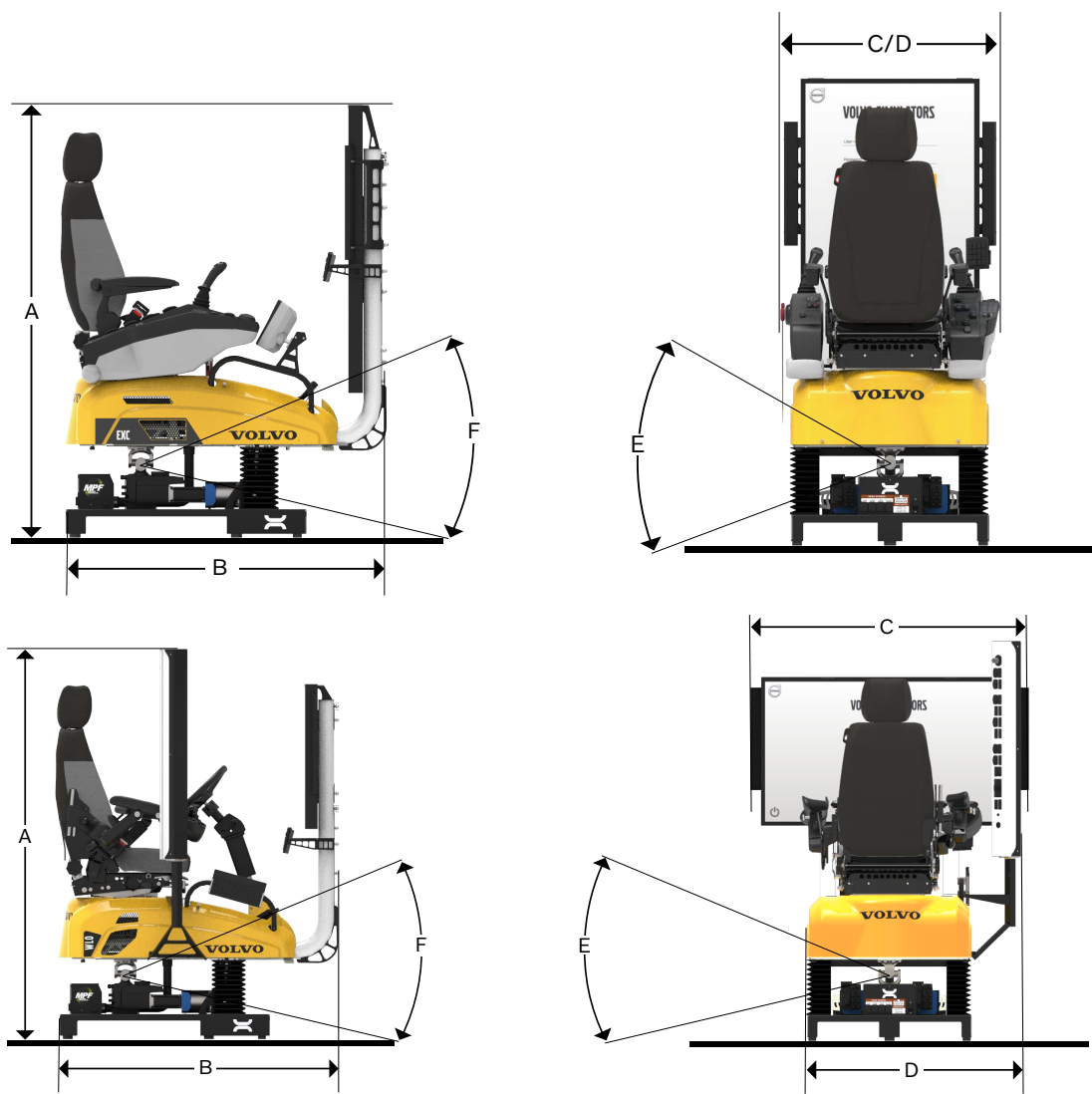
### **Stabilization kit Model 500**

S502 162

Included in all new simulators. This is recommended to buy for all older 500 model simulators that are moved frequently.



# SPECIFICATIONS



Dimensions and weights

			Excavator	Wheel Loader	Articulated Hauler	Transport box
A	Height	mm	1 880	1 930	1 770	1 920
B	Length	mm	1 530	1 470	1 470	1 940
C	Width, with screen	mm	880	1 370	1 370	1 480
D	Width, without screen	mm	880	880	880	1 480
	Weight	kg	277	273	283	130

Tilting angles

E	Maximum roll	°	23
	at	° per sec	46
F	Maximum pitch	°	15
	at	° per sec	30

Standard equipment

Power supply	115 VAC, 50-60 Hz, 20 Amps 230 VAC, 50-60 Hz, 10 Amps
Internet for remote support	WiFi and RJ45
Extra video/audio out	HDMI
USB ports	
Control pattern change valve	On the excavator simulator

Optional equipment

Articulated hauler add-on kit	Convert the wheel loader simulator to an articulated hauler simulator, in a matter of seconds.
Extra screen	The extra screen can be used to show an additional perspective, such as a third person view.



# **VOLVO**

Volvo Construction Equipment  
[www.volvoce.com](http://www.volvoce.com)