

VOLVO COMPACT EXCAVATOR
EC55B



VOLVO

Where comfort and productivity meet



Climb aboard the Volvo EC55B and you'll not only be able to tackle the toughest jobs on the site, you'll also be sitting in the industry's largest, most comfortable standard cab. That's because the EC55B is filled with productivity features and operator amenities to make your job much easier.

Tear into the earth...

The Model EC55B has high excavation and tear-out forces. The center of the undercarriage is X-shaped for durability

and to provide better load distribution. The undercarriage is also very long for incredible stability in adverse site conditions.

...and make yourself at home

The spacious cab and ergonomic design give you the room you need, while the standard air-conditioning and low noise levels make even the longest days comfortable. The pilot-operated controls and Total Power Control Hydraulic System provide independence of movement for smooth, productive cycles.

Talk to your Volvo Construction Equipment dealer today to learn more about the comfortable, productive approach to work – the EC55B.



A comfortable way to take on any job



Sit behind the controls of the Volvo EC55B Compact Excavator and you'll find an incredibly comfortable way to work.

Room to move around

The Volvo EC55B has a large, roomy cab to make even big operators feel right at home. The flat floor is wide and uncluttered for easy entry and exit, while giving you plenty of room for your feet. The seat is fully-adjustable so you can customize it just right, and there's even a footrest for better comfort.



There's a single key for all locks and the ignition, and the door can even be closed from the operator's seat. The visibility is outstanding in all directions, and the wiper motor is on the cab pillar to improve visibility even further.

Controls at your fingertips

The controls are power-assisted as well for smooth, precise movements for delicate digging. There's also ergonomic forward and reverse travel pedals so you can reposition the machine while you're using the joysticks. The instrument panel is easy to see at a glance to keep track of important machine functions. In addition, the panel can be angled so you can see the lights and gauges at a glance.

Stay comfortable all day

The windshield features a gas strut, making it easy to open and prop in place. It also has tinted windows and standard air-conditioning with five vents for excellent cooling of the cab. There's a standard radio/cassette player with two speakers to make it more comfortable to run the machine. In addition, the noise level both in and out of the cab has been dramatically reduced through the use of rubber mounting, soundproof foam and an exhaust silencer. The inside noise level is 78 dB, and the outside noise level is 98 dB.



Dig into the Model EC55B

Our customers demand a machine that gives them reliable performance day in and day out. The Model EC55B has high excavation and tear-out forces, and it features much of the same technology that our customers have come to expect from our larger machine line-up.

Start your engines

The Volvo EC55B features a new, 16-valve 50.5 HP engine that offers power, performance, and low fuel consumption. The efficient main hydraulic pump helps optimize fuel consumption and improve productivity. Meanwhile, the large capacity fuel tank helps you work longer between fill-ups.

The control is in your hands

In addition, the Total Power Control Hydraulic System provides complete independence of movement for smooth, productive cycles. The controls are power-assisted and easy-to-use, and there's cushioning on the cylinders for smoothness and comfort. There's also a swing brake system for more precise movements.

Cover more ground

There are two travel speeds and travel lever pedals designed to make it easier to maneuver on the job. The EC55B also has excellent tractive forces and high ground clearance. There's a long, stable undercarriage to make it sure-



footed, and the rounded, reinforced blade is positioned well out in front of the machine for improved stability.



Built for protection against abuse

The EC55B is designed to take on the daily assault of heavy-duty work, providing you with a machine that will last for years. It's built tough throughout and offers protection at all key points to keep you running.

A sturdy, rigid design

The anti-vibration tracks provide smooth travel even at higher speeds. There's also a double-yoke pivot that increases strength and reduces wear.

Protection where you need it most

The hoses, blade cylinder, boom and arm are well protected from damage. There are also dipper arm reinforcements. And the counterweight is rounded and wraps around the sides to protect the engine cover, which is set back from the counterweight to protect it even more. In addition, the battery is protected from damage.



Take a tour of the Volvo EC55B Compact Excavator

Operator Comfort

- Efficient lighting
- Easy-to-open front window
- Sound reduced exhaust muffler
- Efficient and quiet cooling system
- Quiet, comfortable cab
- Easy entry and exit
- Large, uncluttered floor
- Standard radio/cassette player
- Excellent visibility
- Adjustable seat
- Anti-vibration track profile
- Wide vents for better ventilation
- Standard air-conditioning
- Adjustable heating system
- Easy-to-see instrument cluster
- Door can be closed from operator's seat
- Foot rests

Productivity

- Fast dipper arm speed
- Engine provides outstanding performance and environmental care
- Travel lever pedals
- Efficient hydraulic pump
- Smooth, precise pilot-operated equipment controls
- Impressive excavation forces
- Total Power Control hydraulic system
- Long, stable undercarriage
- Rounded, reinforced blade
- Cushioning on the cylinders for smoothness and comfort
- Cold starting
- Standard double-acting circuit

- Large bucket rotation
- Blade positioned well in front of machine
- Boom offset
- Swing brake system
- High ground clearance
- Excellent tractive forces
- Two travel speeds



Value

- Well-protected hoses, blade cylinder and digging equipment
- Electrical pre-wiring
- 2-stage filtration
- Aluminum oil cooler
- Standard air-conditioning
- Standard double-acting circuit
- Dipper arm reinforcements
- Sturdy structure
- Protected hydraulic tubes
- Protected work lights

- Double-yoke pivot
- Sturdy upper frame-equipment link
- Standard top track roller
- Heavy-duty rollers and tensioner wheel
- High level exhaust pipe
- Durable engine cover
- Wrap-around counterweight
- Large capacity fuel tank
- Protected battery

Serviceability

- Easy access to all check points
- Fuel filtration
- Hydraulic oil filtration
- Easy fuel fill
- Electric fuel pump
- Remote lubrication

Safety

- Active lockout of travel levers and controls
- Safety valve for blade cylinder
- Single key for all locks
- ROPS/TOPS cab
- Offset cylinder locking system
- Lockable accessory pedal
- Boom holding system
- Lockable fuel tank



Features to keep your machine running properly

The EC55B was designed for easy service access, making it simple to keep your machine in top condition. There's a wide rear cover that provides quick and complete access to all critical checkpoints, and service intervals are extended so you have less downtime.

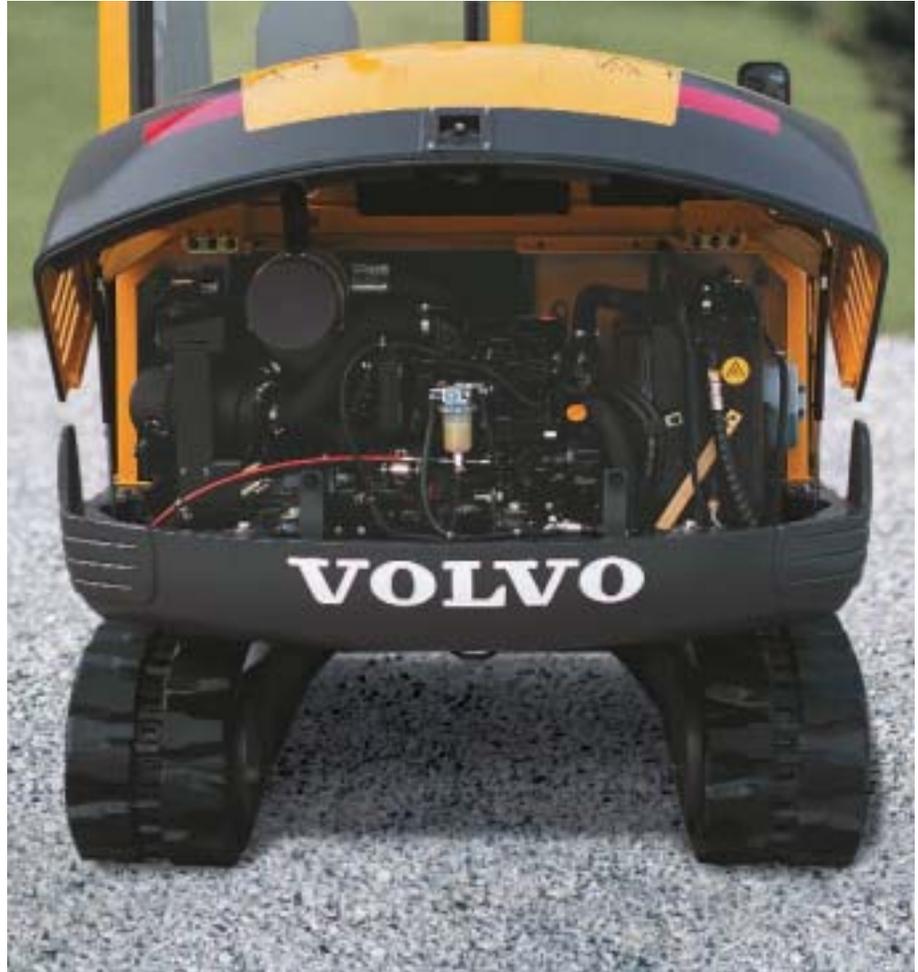
Keep the fluid flowing

The machine features remote lubrication of the dipper, swing crown wheel and offset cylinder pin and easy-access zerks for simplified greasing. And you can change the oil quickly and easily.

The large 24-gallon fuel tank has a sight gauge to check the level, and offers easy fuel fill via the wide neck fuel fill. There's also a standard cold start kit for working in freezing conditions.

Increasing engine life

There's a two-stage air filtration system that reduces the need for a pre-air cleaner and also helps increase engine life. There's also standard fuel and hydraulic oil filtration to reduce contaminants in the system.



Safety is always the top priority



When it comes to your safety, Volvo never makes compromises. The Volvo EC55B has exactly what you need to stay safe, so you can concentrate on getting the job done.

Climb aboard and work safely

You'll have safe and easy access to the seat because of the wide door and retractable console panel. A single key controls all locks and the ignition,

and the machine won't start unless the console and safety lever are in the down position. The controls lock out whenever either is raised to help prevent mishaps. The accessory pedal is also lockable to prevent accidental use.

Keep an eye on your work

The Volvo EC55B has a ROPS/TOPS cab that offers outstanding visibility all around the machine. There's also a large

glass area and an offset boom, which can be locked in place. There's an optional safety valve that prevents drift when the boom is raised. There's also a safety valve on the blade cylinder that prevents blade drift when used as a stabilizer.

Attachments for a variety of tough jobs

The EC55B is a tough, reliable excavator. But that's only the beginning of the story. It also features a standard double-acting circuit for use with hydraulic equipment such as breakers and augers. And there's a variety of bucket options to handle various digging applications.

See your Volvo Construction Equipment dealer for a complete listing of attachments.



Breaker



Auger



The Volvo Compact Equipment Family



Compact Wheel Loaders

		L20B	L25B	L30B
Bucket Capacity	(m ³) yd ³	(0.6) 0.79	(0.8) 1	(1.0) 1.3
Net Engine Power	(kW) HP	(39) 54	(43) 60	(49) 69
Full Turn Tipping Load	(kg) lbs	(2800) 6,173	(3400) 7,496	(3850) 8,488
Hinge Pin Height	(mm) ft-in	(3110) 10 ft 2 in	(3140) 10 ft 3 in	(3200) 10 ft 6 in
Weight (cab)	(kg) lbs	(4350) 9,590	(4800) 10,582	(5500) 12,125

		L35B	L40B	L45B
Bucket Capacity	(m ³) yd ³	(1.05) 1.4	(1.2) 1.6	(1.4) 1.8
Net Engine Power	(kW) HP	(52) 70	(63) 86	(73) 100
Full Turn Tipping Load	(kg) lbs	(3950) 8,708	(4650) 10,251	(5250) 11,574
Hinge Pin Height	(mm) ft-in	(3315) 10 ft 11 in	(3555) 11 ft 8 in	(3650) 12 ft
Weight (cab)	(kg) lbs	(5800) 12,790	(7800) 17,200	(8300) 18,300



Compact Excavators

		EC15B	EC20B	EC25	EC30
Weight (cab)	(kg) lbs	(1761) 3,826	(1901) 4,192	(2790) 6,152	(3090) 6,813
Net Engine Power	(kW) HP	(11) 15	(11) 15	(17) 23	(17.8) 24
Digging Depth	(mm) ft-in	(2050) 6 ft 9 in	(2350) 7 ft 9 in	(2520) 8 ft 3 in	(2740) 9 ft
Bucket Breakout Force	lbf (daN)	(1510) 3,394	(1850) 4,159	(2180) 4,900	(2420) 5,440
Dipper Tearout Force	lbf (daN)	(960) 2,158	(1250) 2,810	(1490) 3,350	(1720) 3,867

		EC35	EC45	EC55
Weight (cab)	(kg) lbs	(3540) 7,805	(4250) 9,371	(4910) 10,824
Net Engine Power	(kW) HP	(21) 29	(27) 37	(38) 52
Digging Depth	(mm) ft-in	(3175) 10 ft 5 in	(3315) 10 ft 11 in	(3810) 12 ft 6 in
Bucket Breakout Force	lbf (daN)	(2964) 6,564	(3240) 7,283	(4070) 9,149
Dipper Tearout Force	lbf (daN)	(2190) 4,923	(2480) 5,575	(2730) 6,137



Backhoe Loaders

		BL70
Digging Depth	(mm) ft-in	(4517) 14 ft 10 in
Net Engine Power	(kW) HP	(67.3) 90
Loader Bucket Capacity	(m ³) yd ³	(1.0) 1.3
Loader Lift Capacity	(kg) lbs	(3456) 7,619
Weight (cab, 4WD)	(kg) lbs	(8074) 17,800



Skid Steer Loaders

		MC60	MC70	MC80	MC90	MC110
Operating Capacity	(kg) lbs	(613) 1,350	(681) 1,500	(794) 1,750	(909) 2,000	(1114) 2,450
Engine Power	(kW) HP	(36,9) 49.5	(45) 60	(64) 86	(64) 86	(64) 86
Hinge Pin Height	(mm) ft-in	(2870) 9 ft 5 in	(2889) 9 ft 6 in	(3061) 12 ft	(3094) 12 ft 2 in	(3073) 12 ft 1 in
Operating Weight	(kg) lbs	(2453) 5,404	(2705) 5,957	(3173) 6,980	(3173) 6,995	(3489) 7,675



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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