When you are looking for solutions to extreme demands on people and machinery at work, you can rely on Volvo, the makers of the world’s most popular compact excavators. With its redesigned cabin, the Volvo EC55C matches greater power and performance with class leading comfort. It is an unbeatable combination.

**Ready for anything**
The new EC55C features one of the highest break-out and tear-out forces in its class. Thanks to its advanced boom and attachment geometry, this power-packed compact lets you stretch further, dig deeper and reach higher. Volvo has developed proven technology by shortening the bucket and tipper dippers to gain greater ripping power, with the articulated boom extending its reach in every direction. As a result, the compact EC55C will size up to any task from picking and sorting to top loading the very largest dump trucks, effectively and fast.

**Saving time on site**
Sheer power and smooth hydraulics deliver exceptional performance with no compromise on safety. The simultaneous control of slew and offset movements through a more intuitive interface extends the scope for faster, safer performance, even in confined spaces and slopes. Rotating the hydraulic angle blade saves more valuable time by eliminating the need for repetitive repositioning on site. And because the blade is now positioned further forward, the articulated boom can reach it more easily, enabling the bucket and blade to work more precisely together.

**Win both ways**
Whether you are looking for great all-round performance or just exceptional choice, the EC55C gives you the best of both worlds. Volvo’s new pin-on attachment bracket enables accessories such as the bucket or Volvo thumb for picking and sorting to be switched fast. Thanks to the identical end-of-dipper interfaces on ECRs and conventional Volvo excavators of the same weight, the entire range of Volvo standard buckets, grippers, sorters and rotators are easily interchangeable. So now you are even more certain to find the right tool for the job.
• Up to 10% faster travel.
• New pin-on attachment bracket.
• Sheer power for break-out and tear-out.
At Volvo, we know how stressful long working hours can be. So we have redesigned the cab of the EC55C compact excavator around you, the operator. Brilliant ergonomics, low noise and high comfort are combined to give you the best operating environment.

**Power-assisted precision**
Given its prodigious power, the EC55C is surprisingly easy to handle. Movements of the accessory and boom can be simultaneously controlled by the twin joysticks. For fluid, fingertip control the double-acting hydraulic accessory circuit is controlled by a single roller on the right hand joystick Full electro-proportional control allows the direction and amount of oil flowing to the accessory to be precisely controlled, even when combining operations such as slew and offset.

**From start to finish**
For greater power and safety, the EC55C automatically shifts from high to low speed when working on slopes, levelling or backfilling. The intuitive control of slew and offset through precise, natural movements of the joysticks yields well-finished, accurate results faster. Pushing the blade lever forward engages the blade cylinder, exerting minimal, yet consistent downward force for levelling, backfilling, grading or contouring.

**More leg space to stretch in**
For easy driving and frequent, intensive use, Volvo’s EC55C is equipped with heavy-duty travel pedals like those used on heavy excavators. But by mounting the electro-proportional control on the joystick rather than using a foot pedal Volvo’s made sure there is plenty of room for even a long-legged operator to work in uncramped conditions on the large, uncluttered floor.

**In all weather conditions**
As well as built-in heating and demisters, the cab features high-performance air conditioning to combat operator discomfort and fatigue. Whatever the weather, the cab of the EC55C keeps the operator comfortable all day long.
- Easy grip joysticks with proportional control. Slew and offset are efficiently combined.

- Float blade enables faster finishing.
Volvo EC55C excavators are built to offer the very best return on your investment. Endurance testing in the toughest environments has been used to ensure reliability is built into every machine. High performance and dependability come as standard.

Together in harmony
As all quality at work is ultimately in the hands of the operator, we’ve created the Harmony system to articulate and pilot every move they make. Irrespective of the load and sequence of actions, the speed of each hydraulic movement entirely depends on the operator’s touch, almost as if the boom and accessory were extensions of his own arms.

Engineered to last
For smoother operation, precision and productivity, Volvo chose the best power-assisted technology available. Each of the boom, dipper arm and offset cylinders are fitted with devices to slow the cylinder rod before the piston hits the end of its stroke. Cushioning against shocks and jolts this way not only prolongs the machine’s working life, but also makes it easier to manage on-site.

New-generation engine
The EC55C features Volvo’s latest generation engine technology. Engineered for top performance and diesel economy, it generates fewer emissions and less noise while delivering all the power it takes to guarantee the EC55C carries on working effectively for you throughout its long and productive life.

Quality design
Quality design gives the EC55C features you would normally expect to find in a heavier machine. The X-shaped undercarriage distributes the load to the side members. This gives greater rigidity and strength without extra weight and reinforcement. The result? Better balanced performance. Both upper and lower windows can be slid fully open and secured safely away beneath the roof without dismantling the lower frame assembly.

Guaranteed reliability
To keep the EC55C’s electrical circuits dry from mud splashes, the heaviest downpour and even when it’s being hosed down, they are fitted with waterproof connections throughout. Similarly, Volvo’s patent ORFS (O Ring Face Seal) technology ensures the hydraulic connection joints are 100% leak-free and can be relied on to stay that way - despite pressure peaks, vibration and twisting. Because when it comes to effective maintenance, prevention is always better than cure.
- Windows open fully for extra comfort.
- Quality connectors save on service costs.
- Dipping, tipping and squaring off in perfect harmony.
SAFETY KNOW-HOW.

When you are responsible for operating valuable equipment in difficult, sometimes dangerous conditions on site, there’s no room for error. At Volvo, operator safety has always been a top priority, but we also build in benefits for the entire working environment.

Safety at work
The seat belt fits snugly and retracts safely out of harms way when not in use to secure the operator. With Volvo, safety always comes as standard. When not in use, it retracts to protect the belt and buckle. The Volvo EC55C also exceeds the usual standards for this class of machine by providing all-round cab and canopy protection. Falling object, roll-over and tip-over protection to FOPS 1, ROPS and TOPS requirements are all part of the standard Volvo safety package.

Reduced emissions
It is not just the operator that benefits from the smooth and quiet operation of the EC55C. In enclosed sites and urban areas, the EC55C can work with the minimum of disturbance. The direct-injection Volvo engine meets tough emission standards yet retains the instant response and power operator’s demand. This allows the standard Volvo auto-idle system to operate without compromising productivity; after 5 seconds of no control input the engine reverts to idle. Touch a control, and full power is restored. Instantly. The result? Reduced noise, emissions and fuel use.

See more. Hear more
All four sides of the contoured EC55C cab are fully glazed. A slim, single rear pillar ensures the view to the rear of the excavator in uninterrupted. Placing the machine or working in a confined area is easier and safer. In-cab noise levels are lower than the required European standard, rubber cab mounts reducing noise, heat and vibration reaching the operator. Advanced insulation materials further protect the operator from noise and heat. The result is a safe, quiet and comfortable working environment.

Security locks
Active locking protects operators getting in or out of the cab. Simply raising the console automatically locks the equipment, offset and travel controls.

• Active locking prevents accidents.
• Warning when seat belt not engaged.
• All-round visibility for safety at work.
- Quiet operation reduces environmental impact.
- Full protection for the operator.
- Automatic idling cuts noise, emissions and fuel use.
Volvo construction equipment is made for work and built to last. That’s why our global support network is dedicated to help you make the most of every working day.

**No time wasted**
The high capacity 110 litre fuel tank on the EC55C is fitted with its own integral 35 litre per minute filling pump. This allows the unit to be refuelled quickly from ground level tanks and barrels.

**Easier maintenance**
Cables, connections and components are readily accessible for routine upkeep and maintenance. Simply open the wide rear cover for total access to all critical check points.

**Reduced wear and tear**
Sweeping the spacious cabin interior clean is no problem because there’s no offset pedal to clutter the floor, and the mat has no ribs for the dust, dirt or gravel to collect in. Likewise the sloping side member prohibits the build-up of earth to save cleaning and maintenance time. All of which makes maintaining the machine, and its market value, a little easier every day.

**Genuine accessories**
Volvo dealers are on-call for the prompt delivery of genuine Volvo spares and accessories from hydraulic oils to steel track protectors.

**Volvo warranty service**
For full fleet cover on virtually any site in the world, Volvo’s Caretrack System keeps close track of your machines through real time monitoring from the moment they leave our factory.
• Rely on quick Volvo parts availability.
• Fast and easy maintenance checks.
Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO2-eq
These capacities are given for a machine without a bucket or quick-release coupling and fitted with rubber tracks. The handling capacity is 75% of the tipping load or 87% of the hydraulic limit.

Caution: In accordance with standard EN 474-5, the machine must be fitted with a safety valve on the boom ram and with an overload indicator for handing operations.

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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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* Dig depth with the blade down.

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* hydraulic limit

Lifting capacity in total rotation over 360° with the blade raised.
STANDARD EQUIPMENT

Engine

Control of forward and backward movement
Progressive finger-tip control of the accessory circuit and the boom offset are controlled by an electroproportional control on the right joystick. Progressive finger-tip control of the accessory circuit & offset. Control of forward and backward movement by two levers coupled to pedals.

Safety
Device for locking the earthwork equipments controls and the travel levers when the left console is raised to gain access to driver’s cab. Engine starting safety device: the left console must be raised to operate the starter. FOPS 2 (Falling Objects Protective Structure). ROPS 2 (Roll-Over Protective Structure) TOPS (Tilt-Over Protective Structure)

Safety valve on the blade cylinder. Pressure accumulator on the power assistance circuit in order to be able to put the equipment on the ground if the engine is switched off. Window-breaker hammer (cab). Seatbelt with visual indicator system. Anti-theft system integrated in the instrument panel.

Cab

Instrumentation and monitoring
Monitoring and warning light for the following functions: pre-heating, engine oil pressure, water temperature, battery charge, air filter clogging. Internal and external fuel gauges. Hour meter.

Hydraulic system

Undercarriage
(400 mm) width rubber tracks. Float blade. Remote lubrication of the slew ring. Undercarriage

(1900 mm) Dipper arm.

Safety
Care Track. Retracting seatbelt with visual indicator (2” or 3”). FOPS 2/FOG windscreen guard. Right and left rear sides view mirrors.

OPTIONAL EQUIPMENT

Handling and earthwork equipment
(1900 mm) Dipper arm.

Environmental protection
Bio-degradable hydraulic oil: 46.

Service and maintenance
Toolkit.

Miscellaneous
Special customised paint (RAL specifications).

Attachment Offer
Volvo Hydraulic Breaker HB300

New Volvo pin on Attachment Bracket (VAB)
- Mechanical
- Hydraulic.

Volvo hydraulic Thumb

Undercarriage
Steel tracks: 380 mm or 500 mm. Angle blade. Wide blade: 2020 mm.

Lighting
Additional front and rear working light. Rotating beacon.

Environmental protection
Bio-degradable hydraulic oil: 46.

Service and maintenance
Toolkit.

Miscellaneous
Special customised paint (RAL specifications).

Safety
Care Track. Retracting seatbelt with visual indicator (2” or 3”). FOPS 2/FOG windscreen guard. Right and left rear sides view mirrors.

Attachment Offer
Volvo Hydraulic Breaker HB300

Low Noise with a wide range of additional work tools.

Safety

Control of forward and backward movement
Progressive finger-tip control of the accessory circuit and the boom offset are controlled by an electroproportional control on the right joystick. Progressive finger-tip control of the accessory circuit & offset. Control of forward and backward movement by two levers coupled to pedals.

Volvo Hydraulic Breaker HB300

Low Noise with a wide range of additional work tools.

New Volvo pin on Attachment Bracket (VAB)
- Mechanical
- Hydraulic.

Volvo hydraulic Thumb

Complete range of Volvo genuine buckets
- Trenching
- Ditching.