

Volvo's formidable excavator six pack

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Was there ever a machine more adaptable, scalable, or shape-shifting than the excavator? Here we look at the versatility behind a selection of Volvo Construction Equipment's mighty machines.

1. THE ONE WITH A SMALL BUM

The ECR18E is a 1.8 tonne class machine that can squeeze into the tightest of spaces, and thanks to its ultra-short tail design – the shortest radius in the Volvo range – it can work close to obstacles without colliding with them. Despite its short-tail design, the ECR18E remains highly stable all round – its variable undercarriage can retract to less than 1 meter wide to enter confined areas – or expand to a more surefooted 1.35 meters.

2. THE ONE WITH A 'HIGHER' PURPOSE

To provide the most versatile machine possible on demolition job sites, EC700CHR reaches a lofty 32m but it can also be fitted with both high-reach equipment and a standard boom-and-arm. The ability to switch from one type of boom-arm configuration to another with ease offers a higher return on investment. And a hydraulic modular joint enables a fast and safe change from demolition to standard attachment, boosting machine utilization when not required for high-reach projects. Watch this space – an even bigger and better demolition excavator is coming soon from Volvo CE.

3. THE 'WHEELY' LONG-NECKED ONE

It's not only its wheels that makes this excavator special. Designed for the waste and recycling industries, the new EW240E material handler weighs in at 26 tonnes, and with its 6.5m straight boom and 5m gooseneck arm, the machine has an impressive forward reach of more than 11m.

Operators can work in comfort in the spacious cab, which can be raised up to five meters above the ground for an eye-level view. To enhance safety, the Volvo EW240E material handler is equipped with a limited arm that avoids collision between the cab and the grapple.

4. THE ONE WITH A SHARP BRAIN

Levelling sites, digging trenches, grading slopes – or creating complex, multi-dimensional site profiles – all have never been easier, thanks to Dig Assist, Volvo's machine control system for excavators.

Powered by the award-winning Volvo Co-Pilot in-cab console and incorporating sensors and the latest location technology, Dig Assist delivers incredible excavation accuracy in a fraction of the time normally taken using conventional methods. Simple and intuitive, the operator can set up projects in just a few touches by selecting the required job parameters. The operator can then monitor progress of the job as it gets underway and on-screen alerts indicate when pre-set parameters are met.

5. THE HEAVYWEIGHT ONE

With a knockout bucket breakout force of 478 kN and an arm tearout force of 420 kN, the 90 tonne class EC950E is the Muhammad Ali of excavators, offering superior digging force, particularly when working with hard and heavy materials. Constant high hydraulic pressure delivers power to the machine when needed. Built with protected components, including a heavy-duty boom and arm, a strong frame structure, and a heavy-duty plate, the EC950E is no pushover, and can be relied on for longevity and sustained uptime in demanding applications.

6. THE QUIRKY ONES

Need to convert your excavator into a rock drill – no problem! Or how about transforming your Volvo excavator into a prehistoric-looking amphibious dredger with super long tracks, boom and arm? Step right in, because Volvo has a long history of adapting excavators for a whole world of strange and wonderful specialized applications.

Source: Volvo Construction Equipment; SE10

[Volvo EC700CHR On LECTURA Specs](#)

[Volvo EC950E On LECTURA Specs](#)