The loader unit, with its powerful lift and its superb parallel lift-arm action, makes the EL70 a multi-allrounder.

Breakout force and tipping load like a wheel loader.
Just how good is the Volvo BM EL70? Let's run a comparison with a wheel loader and an excavator. With rigid front and rear axles and a new oscillating link which permits the two parts of the frame to move ±10° relative to each other the EL70 feels just as stable to load with as a wheel loader and just as stable to excavate with as an excavator.

The breakout force, the lift force and the tipping load give the EL70 a capacity that is comparable to that of wheel loaders in the 11-tonne class. The loader unit has Volvo BM's precisely parallel lift-arm action and unmatched bucket angles.

The hydraulic attachment bracket gives you access to the entire range of Volvo BM original attachments—the world's largest choice.
An excavator with strength, capacity and superior operating economy.
Certainly you can appreciate the excavating qualities of the Volvo BM EL70 for the sheer power of the machine. But it has load-sensing dual-circuit hydraulics as well, enabling you to apply that power to the point where it’s best needed.

You have manual control to route the flow from the pump to wherever you want. When the boom is idle the available oil flow is automatically routed to the bucket and digging arm. You can slew and raise the boom at the same time with smooth and precise movements.

The dual-circuit hydraulics give fast working cycles without using more energy than the job demands. No oil is needlessly pumped round and round. That saves a lot of fuel. With a fuel tank holding 255 litres we promise you it’ll be a long time between refills.
You do a better job if you’re sitting, seeing, reaching and feeling fine.
The Care Cab, our comfortable new cab, allows the operator to do his best, day after day. Settle into the comfortable seat, with its lumbar support, and experience for yourself how every control seems to be in just the right place, ergonomically and functionally.

Panorama windows and a roof window give phenomenal all-round-visibility. The side-windows can be opened forward and back respectively. The rear window simply slides in under the roof. Good rearward visibility makes it easy to excavate close to the machine.

The Volvo BM Care Cab is ROPS- and FOPS-approved. Its insulation and its rubber suspension minimize noise and vibration.

The well-dimensioned heating and ventilating system has double filters and 14 swivelling jets. The overpressure in the cab keeps the air cleaner. Air-conditioning is available as optional equipment to complete a perfect working environment.
The link bearing in the upper frame joint and the lockable oscillating link of the lower frame joint permit the frames to turn vertically in relation to each other.

The oscillating link can be locked as needed in any position, manually or automatically.

The large wheels, the oscillating link and the favourable bucket angle in the carry position all make it easier to transport a load over rough ground without spillage.

You can get through and get at it everywhere.
The Volvo BM EL70 is a real hunk of muscle, but it's also fantastically manoeuvrable off-road and in confined spaces. Thanks to its compact design, high ground clearance, large wheels, differential locks and articulated steering with an oscillating frame joint joints you can go in and do a good job where other machines can't even move.

The link bearing in the upper frame joint and the lockable oscillating link of the lower frame joint permit the frames to turn vertically in relation to each other.

The EL70 manoeuvres easily even at low engine speeds. A hydrostatic load-sensing steering system gives exact steering without knocks and shocks. A valve in the steering system ensures that it always enjoys priority—a valuable safety feature. The end-position damping of the steering cylinders gently buffers the steering movement before the lock is reached, protecting the machine and the operator.
The faster you get there, the sooner you’re finished.

With the TDB45B four-cylinder turbo-diesel the EL70 is a fuel-saving bundle of power.
The Volvo BM EL70 does the work of both excavator and loader. You’re spared two lots of slow transportation and waiting times.

Thanks to the hydraulic attachment bracket the EL70 can switch tasks in a matter of seconds, drawing on the world’s broadest range of attachments. The job gets done fast, and you’re soon on the way to your next assignment.

The EL70’s predecessor, the Volvo BM 6300, is noted for its long life, which is due in no small measure to the components in its drive train. We haven’t made any changes there. The Volvo BM HT90 is quite simple the optimal transmission to go with our well-tried and fuel-pinching Volvo BM TD45B engine. The direct-injection four-cylinder turbo-diesel makes the EL70 fast on the highway and a tower of strength off-road. The engine is also available in a low-emission version.
The EL70 opens up new business.

The Volvo BM EL70 combines brute strength with high-tech precision. In your hands it becomes an efficient, specialized tool, giving you a new and broader range of capabilities.

With the aid of the Volvo BM family of original attachments—the world's largest—you can do jobs that others aren't up to. That opens up new business opportunities.

If you want to break new ground in untried fields of business, an EL70 is the investment for you.
Linesman's work.

Handling materials on a building site.

Handling materials on a building site.

Replacing railway crossties.
Automatic Power Shift is an available option, for fuel-saving and restful driving.

Drop-down side-hatches, an opening front cover and an engine hood lifted by gas-springs give easy service accessibility.

A loader unit with precisely parallel lift-arm action and with high lift and breakout forces makes the EL70 the most efficient excavator-loader on the market.

A hydraulic attachment bracket, well tried on Volvo BM’s wheel loaders, gives you access to the market’s broadest range of attachments.

Low fuel consumption thanks to the well-balanced drive train and the power-saving, load-sensing hydraulics. The flow-regulated hydraulic system is designed to ensure that only utilized power imposes a load on the engine. The system has two circuits, one with automatic and one with manual flow integration.

**Throughgoing quality is easy to look after.**

Simple servicing and daily inspection leaves more time for productive work. Lubricating intervals are long at all points. Thanks to our network of service stations you also have assured access to service and fast spare-part deliveries.
Operating weight | t  | 10.6–13.5
Engine | Volvo BM TD45B
Max. output (33.3 r/s) | kW (hp) | 84 (114)
SAE\(^1\) | kW (hp) | 78 (106)
DIN\(^2\)
Max. torque (23.3 r/s) | Nm | 440
SAE\(^1\) | Nm | 425
DIN\(^2\)
Tipping load | kg | 7.370
straight
full turn | kg | 6.510

\(^1\) SAE J1539
\(^2\) DIN 70620/6271

Lift force at ground level | kN | 88
at max. height | kN | 33
Breakout force | kN | 71.9
Bucket sizes | m\(^3\) | 1.5–3.5

### Excavator unit

| Max. reach | mm | 6370 | 6940 | 7320
| Max. digging depth | mm | 4630 | 5180 | 5640
| Breakout force | kN | 61.0 | 61.0 | 61.0
| at bucket lip | 1. Excavator unit with lateral angulation
2. Excavator unit without lateral angulation
3. Excavator unit with lateral angulation and telescopic extension
Bucket sizes | 1 | 90–540

Under our policy of continuous improvement we reserve the right to change specification and design without notice. The illustrations do not always show the standard version of the machine.
Take the world’s most enjoyable workplace for a trial run.