

VOLVO BM

L160 HIGH-LIFT



VOLVO BM L160 HIGH-LIFT FOR MODERN, EFFECTIVE TIMBER HANDLING

The timber industry has undergone a rapid process of streamlining and modernization. Computerized sorting plants, saws and processing machines have resulted in a more versatile, economic and efficient use of the raw material.

The L160 High-lift is built to provide a strong link in this production chain. The L160 High-lift is one machine that can do the whole job: unloading, transport, sorting, feeding and storage.



The L160 High-lift offers ...

... higher stacks and lower costs:

reduced storage space, shorter transport distances, faster work cycles.

... high accessibility allows systematic, economical stock turnover. The machine can reach all the way to the back of the stack without the entire stack having to be moved. No logs have to be ruined by being left too long at the bottom of a pile.

... fast material flows. The machine is designed to handle most types of timber. It has a built-in flexibility through the availability of a wide selection of grapples that make the machine just as efficient at whole-stem handling as at work with pulpwood or large-diameter saw timber.

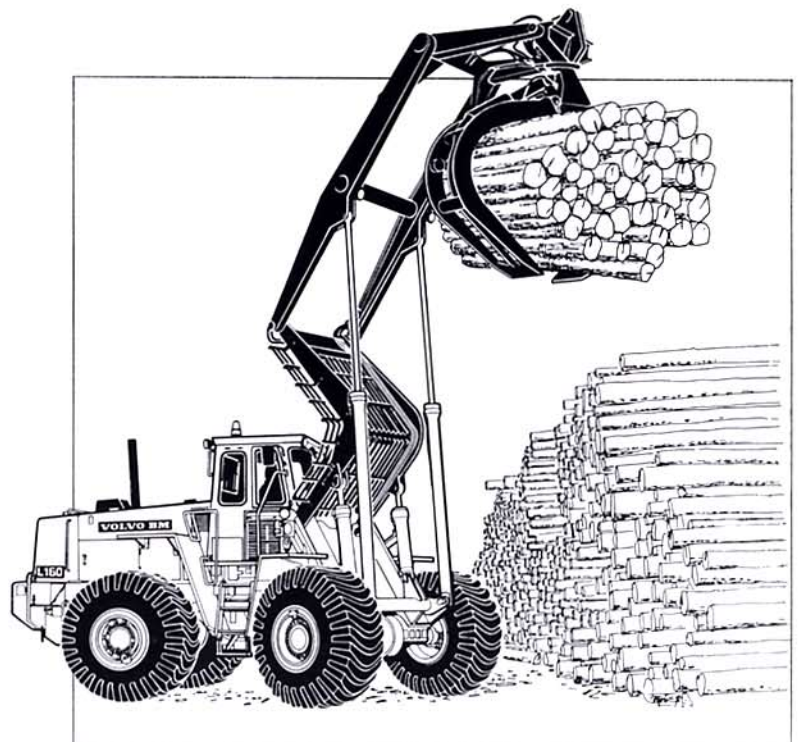
Total reliability – total economy

The L160 High-lift incorporates simple, reliable systems with durable components – it is built for intensive, round-the-clock operation.

The L160 High-lift is based on a proven basic concept – developed from the Volvo BM L160.

Component coordination and system compatibility with other Volvo BM machines simplifies service, maintenance and spare parts keeping.

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- **Engine outlet:**
SAE J1349 Net 185 kW (252 hp)
 - **Operation weight:** 23,9 t (52 820 lb)
 - **Grapple arms:** 0,2–3,9 m² (2,2–42,0 ft²)
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Tiltable grapple with 360° rotation

The different grapples can be tilted out/in. This is very useful for picking up logs from the center of the stack on an uneven surface – the grapple can then be tilted to the same angle as the log. The grapple is powered by a hydraulic motor with a built-in brake function. The result is easy and precise rotation, together with sure control of the load. A gear-type transmission between the hydraulic motor and the grapple ensures outstanding reliability.

High-lift unit with well-sealed bearings and bushings. A central lubrication system simplifies service and maintenance.

Effective air cleaning: cyclone cleaner, main filter and safety filter – reliable even under dusty conditions.

Approved ROPS/FOPS cab. Protective grille for windshield and roof. Curved windshield of laminated safety glass. Other windows of toughened glass.

Electrical distribution box in the cab with systematically marked components.

Pusher that improves reach and facilitates stacking.



Robust frame. Heavy-duty frame joint.

Dependable cooling. High-capacity cooling system and engine with balanced cooling passages. The radiator is easy to clean.

Automatic Power Shift

The computer-controlled Volvo BM Automatic Power Shift is an example of our endeavour to relieve the operator of all unnecessary work burdens. That leaves him free to concentrate on other, more important tasks than changing gears. This promotes optimum efficiency and economy. It also minimizes wear and tear on components and reduces fuel consumption.



Pilot-operated working hydraulics

Pilot operation of the hydraulic system provides a number of important advantages. The high-lift unit responds quickly and exactly. The effective range of control is long, and it is easy to adapt the movement of the unit to the ground speed. The force required to move the levers is very low – fingertip control – and the short, distinct strokes have very precise positions. This means that the operator can maneuver the load with very little effort but very great precision.



Simple, sure and quick maneuvering

The high-lift unit is easily operated by means of two levers. The split system permits operation of two functions at the same time, which greatly contributes to high productivity.

Long reach

The ingenious design of the lift-arm enables the L160 High-lift's attachments to reach a large area from a stationary machine.



PRODUCTIVITY AT EVERY STEP

Fast unloading! Two grapplefuls per bundle results in short cycle times. The L160 High-lift is gentle on both the vehicle and the timber.

Stability even when handling heavy loads! Long wheelbase, large wheels and oscillating rear axle. The tipping load is 8 tonnes.

Excellent mobility! Four-wheel drive, large wheels and high ground clearance. Rear axle oscillation of 15°. 100% diff lock on front axle.



Sure sorting! Unrivalled reach, lifting height, maneuverability and visibility.

Efficient and economical for long transport cycles! APS and well-matched, powerful drivetrain. Turbocharged, direct-injected Volvo diesel engine.

Easy to place the load on the unloading table! Good visibility, high lifting height and long reach.



Effective even in confined areas! 37° steering angle towards either side plus precise and easy steering.



OPERATOR COMFORT MEANS HIGHER PRODUCTIVITY

Others sometimes talk about their "comfort package" – we would rather talk about our "productivity package". For capacity and productivity are dependent on the operator. And the operator's capabilities are determined by his comfort.

The L160 High-lift has been developed in line with our comfort philosophy: The better the machine is designed for the tasks it will have to perform and the surroundings in which it will operate the less will be the stress placed on the operator.

Obvious components of total comfort are the ergonomic design of the operator's station, the good visibility and the low noise level, the climate control system and the efficient air filtration.

The comfortable cab environment in combination with such operator-friendly machine features as APS and pilot-operated working hydraulics make the L160 High-lift the operator's choice, hands down.

Now we are going even further and setting a whole new standard of comfort in the form of optional lever steering. The folding left-hand armrest contains a small lever that can be moved to the right or left with the fingertips to steer the machine. The deflection of the lever is proportional to the steering speed, enabling the machine to be maneuvered with very great precision. The same armrest also contains buttons for forward/reverse, APS and kick-down.

Easy servicing – a comfort factor

Operator comfort and convenience is further enhanced by well-thought-out, tried-and-tested features that guarantee easy servicing. These include fold-down access panels and radiator grilles, as well as quick-connect test ports that permit pressure measurements in all vital systems.



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Under our policy of continuous product improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.