



# Volvo BM Wheel Loaders L90B and L120B



**VOLVO BM**



Renowned loaders  
that have grown stronger,  
quicker and smarter.



**L90B** has the same dependable basic design and carefully engineered balance between engine, transmission, axles and hydraulics as its renowned predecessor.

The engine's new injection pump provides even higher torque, better tractive effort and faster acceleration, and with its new operator-friendly Care Cab, the Volvo BM L90B has further increased its lead in the 13-tonne class when it comes to operator comfort and safety.

**L120B** is—thanks to the Volvo BM Parallel System and new, larger tilt cylinders—one of the most effective 15 ton loaders on the market today. The 13 percent increase in breakout force makes the Volvo BM L120B the ideal loader for bank digging and timber handling.

A new load-sensing steering system gives the L120B easy and exact steering, regardless of load, engine speed and driving surface.





Care Cab.  
Complete comfort for  
maximum efficiency.



The spaciousness and excellent panoramic visibility are the first things you notice when you climb into the new Care Cab. The new curved front windshield offers 15 percent better forward visibility. In the Care Cab, visibility, ROPS/FOPS safety and comfort have been combined without compromises to enable you to work safely, comfortably and efficiently hour after hour.

In the comfortable, shock-absorbing operator's seat, with adjustable armrest and generous leg room, it is easy to find the right operating position.

The Volvo BM Care Cab is quiet and vibration-free, thanks to generous, sound moulded insulation. The heating and ventilation system supplies tempered fresh air through 14 adjustable vents around the cab.

As you can see, the Care Cab does justice to its name.



*The new, curved windshield provides panoramic visibility over the work site.*



*Excellent rear visibility enables the operator to see both the counterweight and the rear wheels.*

VOLVO BM  
AUTOMATIC POWER SHIFT

CONTRONIC DISPLAY  
(option)

COMFORT  
DRIVE CONTROL  
(option)



Change direction,  
kickdown and fill the bucket  
with your fingertips.



PILOT-OPERATED  
WORKING HYDRAULICS

FORWARD/REVERSE  
(option),  
KICKDOWN AND  
ENGINE BRAKING

BOOM SUSPENSION  
SYSTEM  
(option)

The Volvo BM L90B and L120B are machines that give you fingertip control of all important functions. You can work with small, effortless movements, which enhances working comfort, precision and productivity.

The pilot-operated working hydraulics makes it possible to easily control the bucket with high precision with your fingertips. You can change direction quickly without letting go of the steering wheel. Buttons for forward/reverse (option), kick-down and engine braking are easily accessible to the right of the short pilot operated levers. The most important instruments and warning lamps are grouped straight in front of you—easy to read without blocking visibility.

We have concentrated on creating the best possible operating environment in the new Volvo BM Care Cab, so that you can concentrate on your work.



*Contronic is a built-in electronic monitoring system which continuously provides information in plain text about the status of the engine, the electrical system and the transmission. The system also reminds you of scheduled services, when it is time to refuel, etc.*

HINGED RADIATOR HOOD

SWING-OUT RADIATOR

FUELING FROM GROUND LEVEL



Not only service friendly.  
It also warns you of  
problems in plain text.





GAS-STRUTTED  
GULLWING ENGINE  
COVERS

EASILY ACCESSIBLE  
CAB FILTER

WINDSHIELD WASHER  
FLUID CONTAINER

EASY LEVEL CHECKING  
AND OIL FILLING

EASY FILTER CHANGES  
AND ENGINE CHECKS

INCLINED ACCESS  
LADDER AND WELL-  
POSITIONED GRAB  
RAILS FOR SAFE  
SERVICE

The Volvo BM L90B and L120B are built for trouble-free performance with a minimum of service. To keep down time to a minimum, accessibility has been improved. The engine and radiator are easily accessible from ground level thanks to the large, gas-strutted gullwing engine covers and swing-out radiator assembly.

The new, computerized Contronic electrical system gives the operator instantaneous readings on machine status, including engine and transmission temperatures. A display (option) states in plain text what service the machine needs and when, reducing the risk of unscheduled maintenance and prolonging service life.

Contronic simplifies maintenance and thereby can help to reduce maintenance and repair costs.



*The Contronic system allows for quick service diagnosis. The system collects data from a number of analog sensors. Quicker troubleshooting gives shorter down time.*



A powerful combination of  
versatility and capacity.



Quick, agile and versatile, the Volvo BM L90B is more than just a sand and ballast loader. It also pulls its weight at sawmills as well as within industry.

This versatility is the result of a combination of built-in features and genuine Volvo BM attachments. Thanks to the ingenious design of the loader unit, called Volvo BM Parallel System, the wheel loader has a parallel lift-arm action that facilitates excellent handling throughout the working range. Spillage from the bucket is minimal. The range of attachments available for Volvo BM loaders is the widest on the market.

With the optional Boom Suspension System, the rocking tendencies at high speeds are eliminated regardless of load. This further boosts work capacity, operating safety and comfort.



*The L90B is an easy-to-manoeuvre materials handler for high-capacity work and heavy loads in harbours and in industrial applications.*



13 percent more  
breakout force makes  
the difference.



The Volvo BM L120 has always been a machine for the big jobs. The power of the L120B is accentuated by the new, larger tilt cylinders, which have increased its breakout force by all of 13 percent. With high breakout torque, lifting force and rimpull, along with generous reach and lift height, the L120B is the right loader for both loading from a bank and timber handling.

The combination of breakout torque and lift force throughout the working range puts the Volvo BM L120B in a class of its own. The excellent breakout torque in the top position is ideal in loading and unloading of timber.

The new, load-sensing steering system allows precise steering regardless of load, engine speed and driving surface. The system saves energy and makes the machine easy to manoeuvre even in difficult terrain.



*Generous breakout torque, reach and lift height make it easy to handle heavy loads even in the top position.*

# We've refined our design so you

## L90B



The engine is easily accessible thanks to large, gas-strutted gullwing engine covers. Oil checks and refueling can also be done from ground level.

The power source in the L90B is the proven and economical 156 hp Volvo TD 61 GB diesel. The turbocharged engine has a new injection pump that delivers higher torque at low rpm, increased tractive effort and faster acceleration.

The Care Cab is the most modern cab on the market with excellent panoramic visibility, excellent operator comfort and a low noise level.

Optional equipment such as Comfort Drive Control and Boom Suspension System further improve the machine's operator comfort and productivity.

Reliable Volvo BM transmission with four gears forward and three reverse plus Automatic Power Shift, APS, for fuel-efficient and smooth gear-shifting.

Volvo BM axles with hub reduction and dual-circuit fully hydraulic disc brakes ensure many trouble-free hours of operation and low maintenance costs.

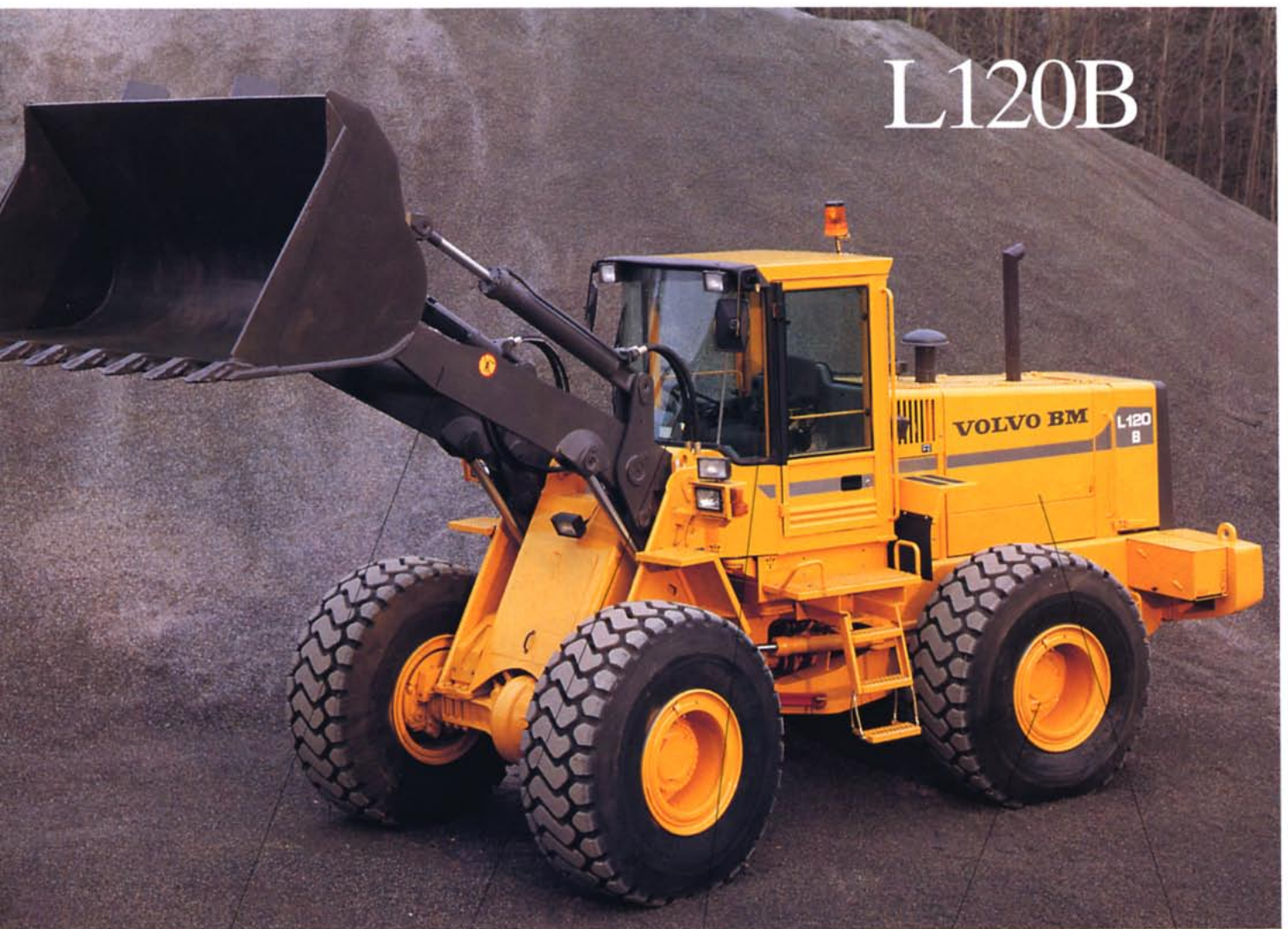
The L90B has the widest range of genuine attachments on the market and can be equipped with an Automatic Hose Coupler.

### Volvo BM L90B

Operating weight, t (lb)	12,5–14,0	(27 500–30 900)
Bucket volume, m <sup>3</sup> (yd <sup>3</sup> )	2,1–7,0	(2,7–9,15)
Engine output SAE, hp	156	
Tipping load, straight, kg (lb)	9 450	(20 830)
Tipping load, full turn, kg (lb)	8 330	(18 360)
Breakout force, kN (lbf)	120,7	(27 130)
Tyres	20.5–25	

# can improve your productivity.

## L120B



The Volvo BM Parallel System has new tilt cylinders that increase the breakout torque by 13 percent.

Volvo BM Automatic Power Shift, makes the L120B very easy to operate and fuel efficient, even in intensive production. Moreover, the system safeguards the drivetrain against unwanted stress and strain.

A new load-sensing steering system provides exact steering, regardless of load, engine speed and driving surface. The system saves energy and makes the loader easy to manoeuvre even on difficult terrain.

The Care Cab is the most modern cab on the market with panoramic visibility, excellent operator comfort and a low noise level.

Robust fully floating Volvo BM axles with hub reduction. Dual-circuit fully hydraulic disc brakes with high capacity.

The L120B's diesel engine is the fuel-efficient 200 hp Volvo TD 71 G. The well-balanced drivetrain contributes to the loader's high productivity.

### Volvo BM L120B

Operating weight, t (lb)	15,4–17,5	(34 000–38 600)
Bucket volume, m <sup>3</sup> (yd <sup>3</sup> )	2,8–10,0	(3,66–13,0)
Engine output SAE, hp	200	
Tipping load, straight, kg (lb)	12 670	(27 930)
Tipping load, full turn, kg (lb)	10 730	(23 660)
Breakout force, kN (lbf)	152,7	(30 360)
Tyres	23.5–25	



Testdrive and feel the difference refined design makes.

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