VOLVO BM L 160 - A HIGH CAPACITY LOADER FOR HIGH PRODUCTION APPLICATIONS

Large volumes, heavy materials, high productivity - the Volvo BM L160 is dimensioned to give the best possible operating economy in the heavier handling jobs. Working with this machine is to control a powertrain composed of carefully matched, smoothly interacting components. The Volvo diesel engine, transmission and loader unit hydraulic system are ideally matched with each other. This gives high penetration capacity with large lifting and breakout force when the going gets really tough. This high capacity machine is operated from a very comfortable cab. The operator has a good view over the working area and can perform highly skilled work with minimum control lever and steering effort.

POWER & ENGINEERING
Volvo BM components are manufactured to a very high technical specification. The highest standards of design engineering plus stringent production and quality control, are your guarantee of total satisfaction. In order to achieve good overall economy and maximum machine utilization, a good deal of effort has been devoted to component co-ordination and the extension of service intervals. All this gives you an efficient, economical machine, reliable in every detail.

LOADING UNIT
The Volvo BM L160 has a strongly built loader unit specially designed for heavy-duty production work. The long reach and good lifting height make it easy to maneuver the load over high hoppers and vehicles etc. It is important for a production loader to have good tilting forces in all positions, and the L160 has a linkage geometry which permits this throughout the whole lifting range. Another refinement is on bucket rollback. The bucket accelerates up against a mechanical stop so that the load in a well filled bucket is moved as far back as possible, thereby increasing machine stability.

CORRECT ATTACHMENTS
Volvo BM can offer a wide range of attachments. By using the right attachment for different materials and handling applications both productivity and profitability can be increased. The Michigan L160 has therefore been provided with a large selection of high quality attachments specially designed for their particular purposes, and the quick coupler attachment bracket (optional equipment) to facilitate changing from one to another.
CAB

The skilled and important work which has to be carried out by the operator of a heavy loader requires great concentration. On the Volvo BM L160 the operator has full control over the machine from the very safe ROPS and FOPS approved cab. It is also exceptionally comfortable and well insulated and is provided with an efficient heating and ventilation system to keep the operator fresh and alert during long working shifts. Ergonomic studies have been made to give guidelines for the convenient arrangement of controls and instruments, after which the final lay-out has been determined by practical tests performed by professional operators.

Automatic Power shift

Volvo BM is in the forefront of technical development with AUTOMATIC POWER SHIFT transmissions (optional equipment). A specially programmed computer automatically selects the most suitable gear for all situations. This means that the operator can work more effectively, getting more production out of the machine and with lower fuel consumption.

VERSATILITY

The L160's capacity for hard work combined with its excellent handling, good lifting height and long reach, permits the quick handling of large volumes of material.

The loader unit gives good tilting forces in all positions - even at the top. This is a very important feature when working at timber and pulpwood terminals etc.

The L160 also has a high carrying capacity over long distances. The long wheelbase and good weight distribution of the machine provide stability and high average speeds.
ENGINE
The Volvo TD 101 G is a 6-cylinder, direct-injection, 4-stroke, turbocharged diesel engine with wet, replaceable cylinder liners.

Air cleaning: air cleaning in three stages.
1. Cyclone cleaner with automatic exhaust ejector
2. Paper filter with indicator in cab
3. Replaceable safety filter

Make  
Model  
Output, gross, at  
SAE J 1349  
Flywheel output at  
SAE J 1349  
DIN 70020/6271  
Max. torque at  
SAE J 1349 Gross  
SAE J 1349 Net  
DIN 70020/6271  
No. of cylinders  
Displacement, total  
Bore  
Stroke  
Compression ratio
Volvo  
TD 101 G  
rps (rpm)  
36.7 (2200)  
194 (264)  
36.7 (2200)  
185 (252)  
185 (252)  
185 (252)  
23.3 (1400)  
980 (723)  
962 (710)  
962 (710)  
6  
9.6 (586)  
120.65 (4.75)  
140 (5.50)  
15:1

DRIVETRAIN
Torque converter: single-stage, single-phase.
Transmission: Volvo BM power shift transmission of countershaft type with directional clutch modulation. Four speeds forward and three reverse. Single lever control.
Axles: fully floating half-shafts with planetary type hub reduction gears. One-piece axle housing of ductile iron. Rigid front axle and oscillating rear axle.
Differential: 100% differential lock on front axle. Engagement and disengagement by means of switch on cab floor. Gearing is conventional, hypoid gears.
Hub reduction: Volvo BM manufacture with low-friction roller bearings on each wheel. The hub reduction gears can be removed without having to remove wheels and brakes.
Tires: Alternative tires are available for different working operations.

Torque multiplication  
Transmission, make  
Model  
Running speeds  
1. forward/reverse  
km/h (mile/h)  
2,000 - 10,000  
7.3 (4.5)  
13.5 (8.4)  
26.7 (16.6)  
39.9 (24.6)  
Measurement with tires  
Front axle, make  
Model  
Rear axle, make  
Model  
Oscillation movement, total  
± mm (± in)  
Standard tires
2.6 : 1  
Volvo BM  
HT 200  
km/h (mile/h)  
km/h (mile/h)  
km/h (mile/h)  
26.5 - 25  
Volvo BM  
AH 70 A  
Volvo BM  
AH 70 D  
15  
300 (12)

ELECTRICAL SYSTEM
The electrical system is well protected with fuses. Pre-
wireed for extra equipment.

Central warning: (Standard on certain markets) Central warning lamp for following functions: engine oil pressure, brake pressure, parking brake, engine temperature, transmission temperature, transmission oil pressure.

Voltage  
Batteries  
Battery capacity ea.  
Cranking capacity ea.  
Reserve capacity ea.  
Alternator rating  
Starter motor output  
V  
Ah / No  
A  
min  
W / A  
W / A  
kW (hp)  
kW (hp)
24  
140 / 2  
800  
270  
1540 / 55  
6.6 (9)  

BRAKE SYSTEM
The brake system meets requirements according to SAE J 1152, EG 71320 and ISO 3450.
Service brakes: air-hydraulically operated disc power brakes.
Transmission disengagement when braking pre-selected with a switch on the instrument panel.
Secondary system: dual-circuit system, divided between axles.
Parking brake: enclosed wet multi-disc brake built into transmission. A spring-loaded application. Hydraulic release with a control on left of operator. A warning lamp indicates when the parking brake is applied and gear lever is in forward or reverse.

Brake friction area  
front/wheel ea.  
rear/wheel ea.  
Reservoirs/accumulators  
volume, total  
Parking brake area, total  
cm² (in²)  
cm³ (in³)  
st  
dm³ (in³)  
cm² (in²)
810 (126)  
810 (126)  
3  
50 (3050)  
1547 (240)
STEERING SYSTEM
Articulated steering. Orbital steering with boosted flow.

Pump: double vane fitted to a power take-off on transmission.
System supply: steering system supplied from front section of pump.
Cylinders: two double-acting cylinders with chromed piston rods.

<table>
<thead>
<tr>
<th>Steering cylinders, number</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore (mm)</td>
<td>110 (4.3)</td>
</tr>
<tr>
<td>Piston rod diameter (mm)</td>
<td>50 (2)</td>
</tr>
<tr>
<td>Stroke (mm)</td>
<td>423 (16.7)</td>
</tr>
<tr>
<td>Working pressure (MPa, psi)</td>
<td>15 (2175)</td>
</tr>
<tr>
<td>Flow volume (dm³, l/min)</td>
<td>190</td>
</tr>
<tr>
<td>at (US gal/min)</td>
<td>(50)</td>
</tr>
<tr>
<td>MPa (psi)</td>
<td>10 (1450)</td>
</tr>
<tr>
<td>rps (rpm)</td>
<td>36.7 (2200)</td>
</tr>
</tbody>
</table>

HYDRAULIC SYSTEM
Open center system pilot operated, and filtered breather on reservoir.

Pump: double vane pump fitted to a power take-off on transmission.
System supply: system supplied from rear section of pump.
Valve: double-acting 3 section valve. The control valve is governed by a 3-section servo valve.
Lifting function: the valve has four positions: lifting, neutral, lowering and floating. Disengageable electro-magnetic boom kick-out and ground position. Adjustable for all positions between maximum reach and full lifting height as well as ground position.
Tilting function: the valve has three positions: rollback, neutral and forward tilting. Disengageable electro-magnetic bucket positioner adjustable for all desired loading angles.
Cylinders: double-acting.
Filter: full-flow filtering through 10 micron filter cartridge in combination with magnetic core.
Load unit: hydraulic cylinders fitted in line with lifting arms.

<table>
<thead>
<tr>
<th>Working pressure (MPa, psi)</th>
<th>17.0 (2465)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow volume (dm³, l/min)</td>
<td>380</td>
</tr>
<tr>
<td>at (US gal/min)</td>
<td>(100.4)</td>
</tr>
<tr>
<td>MPa (psi)</td>
<td>10 (1450)</td>
</tr>
<tr>
<td>rps (rpm)</td>
<td>36.7 (2200)</td>
</tr>
</tbody>
</table>

CAB
Tested and approved as safety cab according to the Swedish Working Environment Act section 3, sub-section B, and meets standards according to ISO 3471-1980, ROPS (SS783), ISO 3449-1980 FOPS (SS782) and SS/ISO 6055 "Overhead guards for fork lift trucks".
The cab is mounted on four rubber pads and is well insulated.
The windshield is of laminated safety glass, all other windows being of tempered safety glass.
Heater and defroster: heating element with filtered fresh air and 3-speed fan with defroster outlets for all windows.
Operator's seat: spring suspended, fully adjustable operator's seat with seat belt and heater.

<table>
<thead>
<tr>
<th>Emergency exits</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td>Ventilation (m³/min (cfm))</td>
<td>10 (353)</td>
</tr>
<tr>
<td>Heating capacity (kW (BTU/h))</td>
<td>11.6 (39600)</td>
</tr>
<tr>
<td>Operator's seat</td>
<td>ISRI 6000 / 575</td>
</tr>
</tbody>
</table>

SERVICE REFILL CAPACITIES

<table>
<thead>
<tr>
<th>Component</th>
<th>dm³ (US gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crankcase</td>
<td>29 (7.7)</td>
</tr>
<tr>
<td>Cooling system</td>
<td>340 (89.8)</td>
</tr>
<tr>
<td>Transmission, total</td>
<td>70 (18.5)</td>
</tr>
<tr>
<td>Front axle, total</td>
<td>47 (12.4)</td>
</tr>
<tr>
<td>Rear axle, total</td>
<td>45 (11.9)</td>
</tr>
<tr>
<td>Hydraulic system</td>
<td>56 (14.8)</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>320 (84.3)</td>
</tr>
<tr>
<td></td>
<td>230 (60.8)</td>
</tr>
</tbody>
</table>

ATTACHMENTS
(for further information please contact your local dealer)

<table>
<thead>
<tr>
<th>Buckets</th>
<th>Timber grapples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight lip without teeth</td>
<td>3.8/4.2/4.5 m³ (5.0/5.5/6.0 yd³)</td>
</tr>
<tr>
<td>Straight lip with teeth</td>
<td>3.8/4.2 m³ (5.0/5.5 yd³)</td>
</tr>
<tr>
<td>V-lip without teeth</td>
<td>3.8 m³ (5.0 yd³)</td>
</tr>
<tr>
<td>Truncated V-lip with teeth</td>
<td>3.8 m³ (5.0 yd³)</td>
</tr>
<tr>
<td>Light materials bucket</td>
<td>7.0/13.0 m³ (9.2/17.0 yd³)</td>
</tr>
<tr>
<td>Spill guard</td>
<td>2.1/4.1 m² (33/44 ft²)</td>
</tr>
<tr>
<td>Unloading Grapple</td>
<td>3.1 m² (33 ft²)</td>
</tr>
<tr>
<td>Sorting Grapple</td>
<td>1.4 m² (15 ft²)</td>
</tr>
<tr>
<td>Tree Length Grapple</td>
<td>2.1/4.1 m² (33/44 ft²)</td>
</tr>
<tr>
<td>Log Pusher</td>
<td>1.4 m² (15 ft²)</td>
</tr>
<tr>
<td>Heel Kickout</td>
<td>2260 mm (75&quot;)</td>
</tr>
<tr>
<td>Fork equipment</td>
<td>Fork Holder</td>
</tr>
<tr>
<td>Foam Filling</td>
<td>1500 mm (4&quot;11&quot;)</td>
</tr>
</tbody>
</table>
DIMENSIONAL DATA VOLVO BM L160

Tires: 26.5 R 25* XRA L3

Where applicable, specifications and dimensions are in accordance with SAE Standard J 732 c. J 742 b and J 818 b.
Liquid ballast in rear tires only recommended for stabilizing purposes in timber and pallet handling on hard and level ground.

| B (mm ft in) | 6570 (21'7") |
| C (mm ft in) | 3550 (11'8") |
| D (mm ft in) | 470 (1'7") |
| F (mm ft in) | 3500 (11'6") |
| G (mm ft in) | 2000 (6'7") |
| J (mm ft in) | 4140 (13'7") |
| K (mm ft in) | 4425 (14'6") |
| O ° | 55 |
| P ° | 45 |
| R ° | 42 |
| R1 ° | 45 |
| S ° | 67 |
| T (mm ft in) | 90 (3'3") |
| U (mm ft in) | 415 (14'1") |
| V (mm ft in) | 2310 (7'7") |
| W (mm ft in) | 3000 (9'10") |
| Z (mm ft in) | 4020 (13'2") |
| a1 (mm ft in) | 6805 (22'4") |
| a2 (mm ft in) | 3805 (12'6") |
| a3 ± ° | 37 |

*Carrying position SAE

Bucket type
1 = Straight without teeth
R = Hook-On
D = Pin-On

<table>
<thead>
<tr>
<th>Order No.</th>
<th>9933</th>
<th>99026</th>
<th>99203</th>
<th>99027</th>
<th>99028</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting / Bucket type</td>
<td>R1</td>
<td>D1</td>
<td>D1</td>
<td>D1</td>
<td>D1</td>
</tr>
<tr>
<td>Volume, heaped</td>
<td>m³ (yd³)</td>
<td>3.8 (5)</td>
<td>3.8 (5)</td>
<td>4.2 (5.5)</td>
<td>4.5 (6)</td>
</tr>
<tr>
<td>Volumetric weight</td>
<td>kg/m³ (lb/yd³)</td>
<td>1800 (3000)</td>
<td>1800 (3000)</td>
<td>1600 (2700)</td>
<td>1500 (2500)</td>
</tr>
<tr>
<td>Working load</td>
<td>kg (lb)</td>
<td>6840 (15080)</td>
<td>6840 (15080)</td>
<td>6720 (14810)</td>
<td>6750 (14880)</td>
</tr>
<tr>
<td>Static tipping load, straight</td>
<td>kg (lb)</td>
<td>15370 (33880)</td>
<td>16140 (35580)</td>
<td>16150 (35600)</td>
<td>15920 (35100)</td>
</tr>
<tr>
<td>at 35° turn</td>
<td>kg (lb)</td>
<td>13710 (30225)</td>
<td>14420 (31790)</td>
<td>14430 (31810)</td>
<td>14215 (31340)</td>
</tr>
<tr>
<td>at full turn</td>
<td>kg (lb)</td>
<td>13520 (29800)</td>
<td>14230 (31370)</td>
<td>14230 (31370)</td>
<td>13920 (30910)</td>
</tr>
<tr>
<td>Breakout force</td>
<td>kN (lbf)</td>
<td>13910 (30665)</td>
<td>15370 (33885)</td>
<td>15340 (33820)</td>
<td>13940 (30730)</td>
</tr>
<tr>
<td>Hydraulic lifting force at ground level</td>
<td>kN (lbf)</td>
<td>23840 (52555)</td>
<td>24220 (53615)</td>
<td>24220 (53500)</td>
<td>23150 (52320)</td>
</tr>
<tr>
<td>at max. height</td>
<td>kN (lbf)</td>
<td>10640 (23460)</td>
<td>10915 (24060)</td>
<td>10880 (23990)</td>
<td>10820 (23850)</td>
</tr>
<tr>
<td>A (mm ft in)</td>
<td>8260 (271&quot;)</td>
<td>8140 (268&quot;)</td>
<td>8135 (267&quot;)</td>
<td>8270 (272&quot;)</td>
<td>8390 (276&quot;)</td>
</tr>
<tr>
<td>L (mm ft in)</td>
<td>6025 (19'9&quot;)</td>
<td>5950 (19'6&quot;)</td>
<td>6100 (20&quot;)</td>
<td>6090 (20&quot;)</td>
<td>6150 (20&quot;)</td>
</tr>
<tr>
<td>V (mm ft in)</td>
<td>3200 (10'6&quot;)</td>
<td>3200 (10'6&quot;)</td>
<td>3200 (10'6&quot;)</td>
<td>3200 (10'6&quot;)</td>
<td>3200 (10'6&quot;)</td>
</tr>
<tr>
<td>a1, clearance circle</td>
<td>mm (ft in)</td>
<td>1440 (48'6&quot;)</td>
<td>14780 (48'6&quot;)</td>
<td>14780 (48'6&quot;)</td>
<td>14845 (48'11&quot;)</td>
</tr>
<tr>
<td>E (mm ft in)</td>
<td>1395 (47&quot;)</td>
<td>1285 (42&quot;)</td>
<td>1280 (42&quot;)</td>
<td>1405 (47&quot;)</td>
<td>1515 (5&quot;)</td>
</tr>
<tr>
<td>H (mm ft in)</td>
<td>3090 (10'2&quot;)</td>
<td>3170 (10'5&quot;)</td>
<td>3175 (10'5&quot;)</td>
<td>3080 (10'1&quot;)</td>
<td>2995 (9'10&quot;)</td>
</tr>
<tr>
<td>M (mm ft in)</td>
<td>1240 (41&quot;)</td>
<td>1150 (39&quot;)</td>
<td>1150 (39&quot;)</td>
<td>1245 (41&quot;)</td>
<td>1330 (44&quot;)</td>
</tr>
<tr>
<td>N (mm ft in)</td>
<td>1930 (6'4&quot;)</td>
<td>1880 (6'2&quot;)</td>
<td>1875 (6'2&quot;)</td>
<td>1940 (6'4&quot;)</td>
<td>1990 (6'6&quot;)</td>
</tr>
<tr>
<td>Weight distribution, front</td>
<td>kg (lb)</td>
<td>10035 (22120)</td>
<td>9590 (21140)</td>
<td>9880 (21340)</td>
<td>9750 (21495)</td>
</tr>
<tr>
<td>Weight distribution, rear</td>
<td>kg (lb)</td>
<td>11890 (26210)</td>
<td>12055 (26575)</td>
<td>12030 (26520)</td>
<td>12000 (26455)</td>
</tr>
<tr>
<td>Operating weight</td>
<td>kg (lb)</td>
<td>21920 (48330)</td>
<td>21650 (47730)</td>
<td>21710 (47860)</td>
<td>21750 (47950)</td>
</tr>
</tbody>
</table>
Spade Nose bucket with teeth (98934 Pin-on)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>m³ (yd³) 3.8 (5)</td>
</tr>
<tr>
<td>Volumetric weight</td>
<td>kg/m³ (lb/yd³) 1800 (3000)</td>
</tr>
<tr>
<td>Machine weight</td>
<td>kg (lbs) 21100 (46520)</td>
</tr>
<tr>
<td>Static tipping load, at full turn</td>
<td>kg (lbs) 13800 (30420)</td>
</tr>
</tbody>
</table>

A mm (ft in) 8465 (27'9")
B mm (ft in) 7600 (25')
C mm (ft in) 3550 (11'8")
D mm (ft in) 470 (1'7")
E mm (ft in) 1500 (4'11")
F mm (ft in) 3500 (11'6")
G mm (ft in) 2000 (6'7")
H mm (ft in) 2920 (9'7")
J mm (ft in) 4120 (13'6")
K mm (ft in) 4405 (14'5")
L mm (ft in) 5860 (19'3")
M mm (ft in) 1430 (4'8")
N mm (ft in) 2160 (7')
O ° 55
P ° 45
R ° 38
R₁ ° 44
S ° 66
T mm (ft in) 90 (3'5")
U mm (ft in) 415 (1'4")
V mm (ft in) 3200 (10'6")
X mm (ft in) 2310 (7'7")
Y mm (ft in) 3000 (9'10")
Z mm (ft in) 4000 (13'2")
α₁ mm (ft in) 7510 (24'8")
α₂ mm (ft in) 6900 (22'8")
α₃ mm (ft in) 3810 (12'6")
α₄ ° 37

Sorting Grapple (99999 Hook-On)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight</td>
<td>kg (lbs) 22275 (49110)</td>
</tr>
<tr>
<td>Operating load</td>
<td>kg (lbs) 7800 (17195)</td>
</tr>
</tbody>
</table>

A m² (ft²) 3.1 (33)
B mm (ft in) 3020 (9'11")
C mm (ft in) 2070 (6'9")
D mm (ft in) 3130 (10'3")
E mm (ft in) 1650 (5'5")
F mm (ft in) 1700 (5'6")
G mm (ft in) 7945 (26'1")
H mm (ft in) 5040 (16'6")
I mm (ft in) 7310 (24')
J mm (ft in) 3200 (10'6")
K mm (ft in) 3400 (11'2")
L mm (ft in) 2275 (7'6")
M mm (ft in) 9465 (31')

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ALTERRATION OF DIMENSIONAL DATA

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tires</td>
<td>L2</td>
<td>L3</td>
<td>L4</td>
<td>L5</td>
<td>L6</td>
<td>L7</td>
</tr>
<tr>
<td>Liquid ballast in rear tires</td>
<td>75% CaCl₂</td>
<td>12 (0.47)</td>
<td>20 (0.78)</td>
<td>28 (1.1)</td>
<td>20 (0.78)</td>
<td>50 (1.93)</td>
</tr>
<tr>
<td>Width over wheels</td>
<td>mm (in)</td>
<td>12 (0.47)</td>
<td>20 (0.78)</td>
<td>28 (1.1)</td>
<td>20 (0.78)</td>
<td>50 (1.93)</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>mm (in)</td>
<td>2 (0.08)</td>
<td>2 (0.08)</td>
<td>2 (0.08)</td>
<td>2 (0.08)</td>
<td>2 (0.08)</td>
</tr>
<tr>
<td>Tipping load at full turn</td>
<td>kg (lb)</td>
<td>1900 (4190)</td>
<td>50 (110)</td>
<td>470 (1035)</td>
<td>615 (1355)</td>
<td>110 (240)</td>
</tr>
<tr>
<td>Operating weight</td>
<td>kg (lb)</td>
<td>1530 (3370)</td>
<td>70 (160)</td>
<td>780 (1720)</td>
<td>1020 (2250)</td>
<td>184 (405)</td>
</tr>
</tbody>
</table>
STANDARD EQUIPMENT

Safety and comfort
ROPS- and FOPS-tested cab
Cab heater with fresh air intake provided with filters and defroster
Tinted glass
Ergonomically designed and adjustable driving seat with seat belt
Rear-view mirrors, external, two
Rear-view mirrors, internal one
Lighting:
main headlamps, full- and dipped-beam (asymmetrical, halogen)
parking lights
working lights, front (two), halogen
working lights, rear (two), halogen
side lights
brake lights
rear lights
cab lighting
instrument lighting
direction indicators

Storage box in cab
Instrument panel with symbols
Sun visor
Safety start
Mudguards
Hazard warning flashers
Windscreen wipers, front and rear windows
Horn
Ash tray
Lighter
Lifting eyes
Lockable toolbox
Pressure gauge for brake system
Outlet for tyre inflation
Ventilation window

Engine & electrical system
Fuel gauge
Socket, 24 V
Battery disconnection switch
Telltale lamps for:
front and rear working lights charging
full-beam headlights
direction indicator flashers
engine oil pressure
transmission oil pressure
differential lock
parking brake
brake pressure
hazard warning flashers
air cleaner
Air cleaner with ejector
Engine temperature gauge
Hydraulic transmission
Hour recorder
Alternator

For certain markets only

Drivetrain
Power Shift transmission
Differential lock (front axle)
Single-lever gear control
Tyres 26.5 R 25

Hydraulic system
Control valve (three sections)
Bucket position indicator
Boom kick-out
Bucket positioner
Ground positioner
Hydraulic oil cooler
Vane pump

OPTIONAL EQUIPMENT (Standard equipment on certain markets)

Inspection and maintenance equipment
Tool kit
Wheel nut wrench
Tyre inflation kit
Engine equipment
Engining heater, electrical
Low exhaust emission version
Suction fan
Preheating coil
Extra fuel filter
Oil-bath pre-cleaner
Underground version
Exhaust cooling
Rain cap for exhaust pipe
High-altitude version
Electrical equipment
Rotating beacon with collapsible mounting
Asymmetrical headlights (halogen)
Extra working lights, front (halogen 2)
Extra working lights, rear (halogen 2)
Attachment lights (halogen)
Inspection lamp
Back-up alarm
Central warning
Transmission equipment
Automatic Power Shift
4 gears
Automatic Power Shift
3 gears
Interlock for 4th speed
Cab equipment
Radio panel without radio
Passenger seat
Heated driving seat
Windscreen washer, front/rear
dual brake pedals
Intermittent wiper
Sliding window, bronze tinted
glass
Air-conditioner
Lever lock
Speedometer and tachometer
Seat belt
Ventilation fan
Hydraulic equipment
3rd hydraulic control
3rd hydraulic control, return line
4th and 5th hydraulic control
External equipment
Towing hitch
“Slow-Moving Vehicle” sign

Protective guards for headlamps
Protecting guards for rear working lights
Silencer guard
Guards for piston roads, high-lift version
Heavy duty safety roof

Other equipment
Germany version
Horn, air operated
Compactor version
Safety steering
Air tank, France
Tropical version
High-lift version
Air operated parking brake

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.

Volvo BM Company
S-631 85 ESKILSTUNA SWEDEN

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