All-round
Standard attachments bracket for snap-on coupling of various attachments — wide range of attachments.

Nimble
Small turning radius and power-shift transmission.

"Go-anywhere" mobility
Oversized wheels 4-wheel drive and differential lock.

Economy
Reliable — simple construction with quality components, low fuel consumption.

Capacity
Gets the job done quickly thanks to a powerful engine and a raising unit with high lift and long outreach.
SPECIFICATION VOLVO BM LOADER 641

Engine
4-cyl VOLVO BM D 42 diesel engine with direct injection
Displacement 4.2 dm³ (258 in³)
Max. rating at 38.4 r/s (2200 RPM)
SAE/DIN 59/52 kW (80/70.5 hp)
Max. torque at 23.4 r/s (1400 RPM)
SAE/DIN 270/250 Nm (198/185 lb. ft.)

Electrical system
Voltage ............... 24 V
Alternator .......... 700 W
Starter motor .......... 3 kW (4 HP)

Transmission
Torque converter and power-shift gearbox.
Two speed ranges with a total of 4 forward speeds and 4 reverse. Differential lock.

Speeds
Forward and reverse m/s (mph)
I 0–2.14 m/s (0–4.5 mph)
II 0–3.83 m/s (0–7.5 mph)
III 0–5.28 m/s (0–11.6 mph)
IV 0–6.34 m/s (0–14 mph)

Brakes
Driving brakes: Hydraulic disc brakes
Braking area .......... 1850 cm² (287 in²)
Steering brake
Parking brake

Steering system
Hydrostatic with double cylinders on the steering axle

Loading unit
Max. lifting height under dumped bucket ............. 2.9 m
(9 ft 6 in)
Outreach at 2 m (6 ft 7 in)
45° dumped bucket .......... 1.4 m
(4 ft 7 in)
Tipping load SAE ............. 3200 kg
(7075 lb)
Standard bucket SAE ........ 1.0 m³
(1.36 cu.yd.)
Break-out force SAE ........ 41200 N
(9200 lb)

Hydraulic system
Hydraulic pump capacity ............. 2.4 dm³/s
(32 Imp.gal./min)
Working pressure ............. 115 kp/cm²
(1635 lb./p.s.i.)

General data
Total weight with bucket .......... 7800 kg (17490 lb)
Wheelbase .......... 2.38 m (7 ft 10 in)
Track front/rear .......... 1.82/1.85 m (6 ft 6 in)
Machine width .......... 2.25 m (7 ft 4 in)
Turning radius with steering brake ........ 3.0 m (10 ft 10 in)
Tyres front/rear .......... 16.9/30-14

Standard equipment
Rear-view mirror, interior (2)
Lighting
- main headlamps, bright/dim
- working lights, rear
- parking lights
- back-up lights and brake lights
- position lights
- cab light
Fuel gauge
Dust ejector (for automatic emptying of air filter’s pre-cleaner)
Differential lock, jaw clutch
Tyre equipment (esp. specification)
Storage basket
Main switch
Cab
Cab heating with fresh-air intake vent
Instrument panel with symbol markings
Indicator lamp for rear working lights
Charcoal indicator lamp
Bright light indicator
Direction indicators
Air filter indicator
Control lever and tubes for 3rd hydraulic function
Attachment bracket, mechanical
Spring-crush seat
Horn
Protective screen for lower side window
Sun visor
Lifting lever lock connected to cab door
Steering brake
Seat belt mountings
Safety start
Hour counter
Engine water thermometer
Hazards flashers
Indicator lamp for above
Warning lamp for parking lights
Warning lamp for transmission oil temperature
Warning lamp for transmission oil pressure
Warning lamp for motor oil pressure
Tool kit
Windshield wiper, front windshield
Alternator

Optional equipment
Front working lights
Extra fuel filter
Belly guards
Towing hitch
Floating crane
Tinted cab windows
Grille door
Spark arrester
Hydraulic outlet for trailer tipping
Cab ventilator
Lifting eyes
Control lever, tubes and valve for 4th hydraulic function
Control lever (common for 3rd hydraulic function), tubes and valve for 4th hydraulic function
Engine heater, electrical
Engine heater, LP gas
Attachment bracket, hydraulic
Tyre pumping equipment
Outlet for trailer brakes
Electrical outlet, trailer
Safety belt
Air compressor
Pressure gauge for air brakes
Rotating beacon, incl. folding bracket
Rotating beacon

Specifications are subject to alteration without prior notice.

VOLVO BM
VOLVO BM AB ESKILSTUNA SWEDEN

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