**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 loading unit with high lift and long outreach.
## SPECIFICATION VOLVO BM LOADER 641

### Engine
- 6-cyl VOLVO BM D 42 diesel engine with direct injection
- Displacement 4,2 dm³ (256 in³)
- Max. rating at 38,4 r/μ (2300 RPM)
- SAE/DIN 50/55 kW (60/75 hp)
- Max. torque at 23.4 r/μ (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 (0–4.6 mph)
  - II: 0–3.33 m/s (0–7.5 mph)
  - III: 0–5.28 m/s (0–11.8 mph)
  - IV: 0–8.34 m/s (0–19 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 8 in)
- Outreach at 2 m (6 ft 7 in) 1.4 m (4 ft 7 in)
- 45° dumped bucket 2.3 m (7 ft 6 in)
- Transport load carrying position 2400 kg (5390 lb)
- Standard bucket SAE 1.0 m³ (1,38 cu.yd)
- Break-out force SAE 41200 N (9620 lbf)

### Hydraulic system
- Hydraulic pump capacity 2.4 dm³/s (32 imp.gal./min)
- Working pressure 115 kg/cm² (1635 lb/p.s.i)

### General data
- Total weight with bucket 7900 kg (17400 lb)
- Wheelbase 2.39 m (7 ft 8 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 3.3 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 (2)
- 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 (resp. specification)
- Storage basket
- Main switch
- Cab
- Cab heating with fresh-air intake vent
- Instrument panel with symbol markings
- Indicator lamp for rear working lights
- Charting indicator lamp
- Bright light indicator
- Direction indicators
- Air filter indicator
- Control lever and tubes for 3rd hydraulic function
- Attachment bracket, mechanical
- Spring-cushion 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
- Hazard 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

### Optional equipment
- Front working lights
- Extra fuel filter
- Belly guards
- Towing hitch
- Floating crane
- 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 gage for air brakes
- Rotating beacon, incl. folding bracket
- Rotating beacon

Specifications are subject to alteration without prior notice.

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**VOLVO BM**

VOLVO BM AB ESKILSTUNA SWEDEN

Ref. no. 2319 GB

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