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# Volvo BM EL70 Backhoe Loader

**CATEGORY:** [BACKHOE LOADERS](#) →

**MANUFACTURER:** [VOLVO](#) →

**MODEL:** [BM EL70](#) →

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## General Specifications

### Backhoe

<b>Bucket Dig Force</b>	9,280 lbs (4,209 kg)
<b>Bucket Dig Force - Extended</b>	6,880 lbs (3,121 kg)
<b>Dig Depth</b>	15 ft (5 m)
<b>Dig Depth - Extended</b>	19 ft (6 m)
<b>Load Height - Extended</b>	14 ft (4 m)
<b>Reach at Load Height - Extended</b>	10 ft (3 m)
<b>Reach From Swivel</b>	21 ft (6 m)

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<b>Reach From Swivel - Extended</b>	24 ft (7 m)
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## Dimensions

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<b>Ground Clearance</b>	2 ft (0 m)
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<b>Height to Top of Suspended Cab</b>	10 ft (3 m)
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<b>Transport Length</b>	27 ft (8 m)
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<b>Transport Width</b>	8 ft (3 m)
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<b>Wheelbase</b>	8 ft (3 m)
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## Engine

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<b>Aspiration</b>	turbocharged
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<b>Displacement</b>	273 cu in (4,474 cu cm)
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<b>Engine Model</b>	TD 45B
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<b>Gross Power</b>	113 hp (84 kw)
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<b>Net Max Torque</b>	325 lbs ft (440 nm)
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<b>Net Power</b>	105 hp (78 kw)
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<b>Number of Cylinders</b>	4
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<b>Power Measured @</b>	2000 rpm
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<b>Torque Measured @</b>	1400 rpm
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## Hydraulic System

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<b>Pump Flow Capacity</b>	45 gpm (170 lpm)
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<b>Pump Type</b>	two axial-flow piston pumps
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<b>Relief Valve Pressure</b>	3263 psi
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## Loader

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<b>Bucket Breakout Force</b>	16,160 lbs (7,330 kg)
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<b>Bucket Capacity</b>	2 cu yd (2 cu m)
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<b>Bucket Width</b>	99 in (250 cm)
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<b>Clearance at Max Dump Height</b>	9 ft (3 m)
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<b>Dig Depth</b>	29 in (74 cm)
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<b>Reach at Max Dump Height</b>	3 ft (1 m)
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## Operating Specifications

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<b>Alternator Supplied Amperage</b>	60 amps
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<b>Cooling System Fluid Capacity</b>	7 gal (27 l)
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<b>Front Axle Fluid Capacity</b>	6 gal (23 l)
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<b>Fuel Capacity</b>	67 gal (255 l)
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<b>Hydraulic System Fluid Capacity</b>	56 gal (210 l)
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<b>Oil System Fluid Capacity</b>	3 gal (12 l)
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<b>Operating Voltage</b>	24 volts
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<b>Operating Weight 4wd</b>	24,013 lbs (10,892 kg)
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<b>Rear Axle Fluid Capacity</b>	6 gal (23 l)
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<b>Tire Size Front - 2wd / 4wd</b>	18.4-30/14 SGL
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<b>Transmission Fluid Capacity</b>	6 gal (22 l)
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<b>Turning Radius</b>	19 ft (6 m)
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## Tires

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<b>Rear Tires Size</b>	18.4-30/14 SGL
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## Transmission

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<b>Max Speed</b>	27 mph (44 kph)
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<b>Max Speed - Reverse</b>	16 mph (26 kph)
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<b>Number of Forward Gears</b>	4
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<b>Number of Reverse Gears</b>	3
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<b>Transmission Type</b>	Volvo BM HT 90 automatic Power shift
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