

# VOLVO SKID STEER LOADER

# MC70

- (44,7 kW) **60 hp 4-cylinder turbocharged diesel engine**
- (680 kg) **1,500 lb operating capacity**
- (2677 kg) **5,902 lb operating weight**
- Superior breakout force and axle torque
- Powerful (63 lpm) **16.6 gpm** hydraulic pump to run optional attachments
- Optional (116 lpm) **30.6 gpm** hydraulic pump for high flow attachments
- High hinge pin height to reach over walls and truck side boards
- Forward tilting ROPS/FOPS cab allows quick and easy access to engine/drive train
- Swing out rear door, hinged engine cover, lift out floor panel
- Welded unitized frame, modular axles, corrosion-resistant lift-arm and tilt pins
- Adjustable drive chains
- Lubed-for-life universal joint for efficient engine-to-transmission power transfer
- Extra wide operator compartment
- Easy entrance and exit
- Easy-to-read gauge/warning light panel
- Conventional hand and foot controls standard; optional hands only controls
- Quick-Attach system for most attachments

## The MC70 in detail

### Engine

Make/Model . . . . .Kubota V2003-TB  
 Cylinders . . . . .4  
 Fuel type . . . . .Diesel  
 Displacement . . . . .(2,0 liters) **122 cu in**  
 Cooling system . . . . .Liquid cooled  
 Horsepower

Gross @2800 rpm . . .(44,7 kW) **60 hp**  
 Peak torque . . . . .(169 Nm) **125 ft-lb**  
 @ 1,600 rpm

Bore . . . . .(83 mm) **3.27 in**  
 Stroke . . . . .(92,4 mm) **3.64 in**

Speeds:  
 Fast, no load (max.) . . . . .3,000 rpm  
 Rated . . . . .2,800 rpm  
 Idle, no load (min.) . . . . .1,100 rpm

### Electrical system

Alternator . . . . .45 amp  
 Battery . . . . .660 CCA  
 System protection . . . . .40 amp  
 circuit breaker  
 Starter . . . . .(2,0 kW) **12V**

### Drivetrain

Type (pumps) . . . . .(41 cc/rev) **2.5 in<sup>3</sup>/rev**  
 displacement  
 Type (motors) . . . . .(490 cc/rev) **30 in<sup>3</sup>/rev**  
 displacement

Axle torque . . . . .(5526 Nm) **4,076 ft-lb**  
 Axle diameter . . . . .(4,8 cm) **1.9 in**  
 Chain size . . . . .80 HV  
 Parking brakes . . . . .pin lock

### Hydraulic system

Lift Cylinders  
 Bore . . . . .(5,7 cm) **2.3 in**  
 Stroke . . . . .(75,3 cm) **29.7 in**  
 Rod size . . . . .(3,5 cm) **1.4 in**

Tilt Cylinders  
 Bore . . . . .(7,0 cm) **2.8 in**  
 Stroke . . . . .(33,3 cm) **13.1 in**  
 Rod size . . . . .(3.2 cm) **1.3 in**  
 Pump flow @ rated rpm . . . . .(63 lpm)  
 . . . . .**16.6 gpm**

High flow pump @ rated rpm . . . . .(116 lpm)  
**30.6 gpm**  
 Relief pressure (max.) . . . . .(17241 kpa)  
**2,500 psi**

### Service fill capacities

Cooling system . . . . .(15,1l) **4 gal**  
 Engine crankcase (with filter) . . . . .(8,5 l)  
**9 qt**  
 Fuel tank . . . . .(66 l) **17.4 gal**  
 Hydraulic system . . . . .(36 l) **9.5 gal**  
 Chain case . . . . .(5,7 l) **1.5 gal**

### Performance

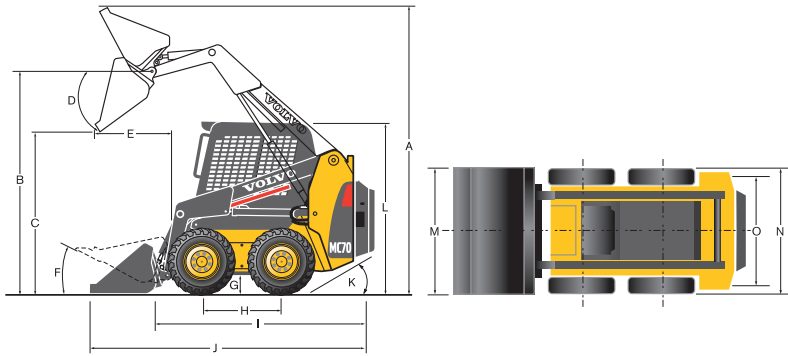
Rated operating capacity . . . . .(680 kg)  
**1,500 lb**  
 Tipping capacity . . . . .(1360 kg) **3,000 lb**  
 Approx. operating  
 weight (SAE) . . . . .(2677 kg) **5,902 lb**  
 Travel speed . . . . .(0-11,1 km/h) **0-7.0 mph**

Cycle times:  
 Lift raising time . . . . .3.9 sec  
 Lift lowering time . . . . .2.6 sec  
 Tilt dumping time . . . . .2.7 sec  
 Tilt rollback time . . . . .2.3 sec

SAE Rated Equipment:  
 Full fuel tank  
 (75 kg) **165 lb** operator  
 (1676 mm) **66"** dirt bucket  
 10.00 x 16.5 – 8-ply HD tires



# Specifications



- A. Overall operating height  
(with dirt bucket [1676 mm] 66") . . . . (3793 mm) **149.3"**
- B. Height to hinge pin . . . . . (2891 mm) **113.8"**
- C. Dump height . . . . . (2162 mm) **85.1"**
- D. Dump angle . . . . . **37°**
- E. Dump reach . . . . . (673 mm) **26.5"**
- F. Roll back angle . . . . . **27°**
- G. Ground clearance . . . . . (209 mm) **8.2"**
- H. Wheelbase . . . . . (1026 mm) **40.4"**
- I. Overall length (less bucket) . . . . . (2594 mm) **102.1"**
- J. Overall length (with dirt bucket) . . . . (3394 mm) **133.6"**
- K. Angle of departure . . . . . **21°**
- L. Overall height . . . . . (1979 mm) **77.9"**
- M. Bucket width . . . . . (1676 mm) **66.0"**
- N. Over tire width (less bucket)  
10.00 x 16.5 tires . . . . . (1660 mm) **65.4"**
- O. Tread width . . . . . (1407 mm) **55.4"**

## MC70

Data According to Bucket Type		60" Dirt Bucket	60" Landscape Bucket	60" Landscape Bucket w/Teeth	66" Dirt Bucket	66" Landscape Bucket	66" Landscape Bucket w/Teeth	72" Dirt Bucket	72" Landscape Bucket	72" Landscape Bucket w/Teeth
Width	cm	152	152	152	168	168	168	183	183	183
	in	<b>60</b>	<b>60</b>	<b>60</b>	<b>66</b>	<b>66</b>	<b>66</b>	<b>72</b>	<b>72</b>	<b>72</b>
SAE Heaped cap	m <sup>3</sup>	0,43	0,44	0,44	0,47	0,488	0,488	0,494	0,55	0,55
	ft <sup>3</sup>	<b>15.3</b>	<b>15.5</b>	<b>15.5</b>	<b>16.8</b>	<b>17.25</b>	<b>17.25</b>	<b>17.5</b>	<b>19.3</b>	<b>19.3</b>
SAE Struck cap	m <sup>3</sup>	0,32	0,33	0,33	0,35	0,366	0,366	0,378	0,41	0,41
	ft <sup>3</sup>	<b>11.2</b>	<b>11.7</b>	<b>11.7</b>	<b>12.35</b>	<b>12.95</b>	<b>12.95</b>	<b>13.4</b>	<b>14.5</b>	<b>14.5</b>
Weight	kg	192	197	211	204	209	225	221	228	244
	lb	<b>423</b>	<b>434</b>	<b>464</b>	<b>449</b>	<b>460</b>	<b>495</b>	<b>486</b>	<b>503</b>	<b>538</b>

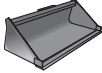
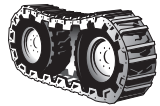

### STANDARD EQUIPMENT

<p><b>Engine</b></p> <p>Dual element air cleaner (2,0 kW) <b>12 Volt</b> starter 45 amp alternator Quick cycle engine preheat</p> <p><b>Electrical</b></p> <p>12 Volt 660 CCA battery Engine start/stop key switch Fuel gauge Hourmeter Two front and one rear work light Battery shut-off switch Warning system: Air filter restriction, alternator, hydraulic filter restriction, hydraulic oil temperature Warning light with audible alarm: Engine water temperature, engine oil pressure and hydraulic oil temperature</p>	<p><b>Transmission</b></p> <p>Two variable displacement piston pumps mounted in tandem Two fixed displacement high torque motors</p> <p><b>Hydraulic</b></p> <p>Lift-arm mounted auxiliary hydraulics with standard flat face couplers (ISO 16028) 10 micron hydraulic oil filter</p> <p><b>Safety</b></p> <p>Lift-arm support strut Electric lift and tilt hydraulic lockouts Back-up alarm Mechanical park lock Emergency exit rear window Horn Rear and top door props</p>	<p><b>Cab</b></p> <p>Adjustable seat with 2" retractable seat belt Operator restraint bar Dual travel/steering levers Tilt forward ROPS/FOPS cab 12 Volt outlet</p> <p><b>Other</b></p> <p>Lockable doors and covers Quick-Attach mounting frame Lockable fuel cap</p>
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### OPTIONAL EQUIPMENT

<p><b>Engine</b></p> <p>Engine air intake precleaner Engine block heater (400 watt) Catalytic muffler</p> <p><b>Cab</b></p> <p>Top window Noise suppression kit Hand only controls 3" retractable seat belt</p>	<p><b>Hydraulic</b></p> <p>Hydraulic reservoir heater (450 watt) High flow hydraulics Hydraulic self level (lift only)</p> <p><b>Electrical</b></p> <p>Rotating beacon light</p> <p><b>Tires</b></p> <p>31.00 x 15.5 x 15 – 8-ply super flotation sand tire 7.00 x 15 non-pneumatic solid tire 10.00 x 16.5 – 8-ply heavy duty tire (rated)</p>
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### ATTACHMENTS

 Buckets	 Tracks  For details on the full range of Volvo attachments, please contact your local Volvo dealer.
 Pallet forks	

*All products are not available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. The illustrations do not necessarily show the standard version of the machine.*



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Ref. No. 22 1 000 9798 English  
Printed in USA 05/03 – 5,0 GMC  
Volvo, Asheville