

VOLVO SKID STEER LOADERS

MODELS MC60/MC70/MC80/MC90/MC110



VOLVO

Experience the Volvo difference

Five models, one commitment

Every now and then a new skid steer loader comes along that redefines your expectations about productivity, serviceability, comfort, safety, and value. This is one of those times.

Introducing the Volvo Multi-Tool Carrier Skid Steer Loaders. There are five tough models that are ready to raise your expectations and then meet them head-on for all day productivity:

MC60: 49.5 hp, 1,350 lb. rated operating capacity

MC70: 60 hp, 1,500 lb. rated operating capacity

MC80: 86 hp, 1,750 lb. rated operating capacity

MC90: 86 hp, 2,000 lb. rated operating capacity

MC110: 86 hp, 2,300 lb. rated operating capacity

Built tough with features like a one piece mainframe and heavy-duty endless drive chains. Built productive with excellent breakout force, standard auxiliary hydraulics, and great visibility. Built for comfort with an adjustable seat, retractable seatbelt, and a wide cab for easy entry and exit. And built to last with long service intervals and easy access for routine and extensive service. The Volvo Skid Steer Loaders are everything you should expect.

See your Volvo Construction Equipment dealer today and test the Volvo Skid Steer Loaders. They're like nothing you've ever operated before.



Reach new heights of productivity

As a skid steer loader owner, you want a machine that will move material with ease – all day, every day. That's why Volvo filled its skid steer loader line with features that are designed to help you tackle the work more efficiently than ever before.

Every Volvo Skid Steer Loader features an excellent height to hinge pin clearance to make it easier to load, while the high ground clearance gives you plenty of room to maneuver over rocks and other obstacles.

There are two double acting cylinders with hardened, chrome-plated rods for exceptional breakout force without putting undue stress on the loader arms, and the Volvo Skid Steer Loaders give you outstanding lifting capacity to handle heavy loads. A hydraulic detent allows the loader arm to float for leveling, backfilling, grading, and contouring to speed up site preparation.

The machines feature tested and proven 4-cylinder diesel engines that offer excellent performance. There's a manual preheat for easier starting in cold weather. In addition, the high horsepower engines provide tremendous engine peak torque for digging in tough conditions.

The Models MC70, MC90, and MC110 can also be equipped with high flow hydraulics to power attachments such as planers, augers, trenchers, and more.

Standard 55-watt halogen worklights – two in front, one in rear – allow you to work at night or in dimly-lit areas and still keep an eye on everything around you.



Surround yourself in comfort



Volvo knows that when you run a skid steer loader every day, you have to be comfortable or you just won't be as productive. That's why the machine is built around you – and you'll know it from the moment you step inside.

The cab has a wide opening and there's a non-slip step on the low mounted cross tube, convenient grab handles on the cab and a flat lockable center foot plate for easy entry and exit. Once inside the cab, you'll find an adjustable, contoured seat that includes a retractable seatbelt and an operator restraint bar (picture shown is optional deluxe seat).

Large, ergonomic foot pedals are angled for comfort and easy operation. You can also get your Volvo Skid Steer Loaders equipped with optional controls for hands-only operation. The low-effort steering controls help minimize fatigue and maximize productivity.

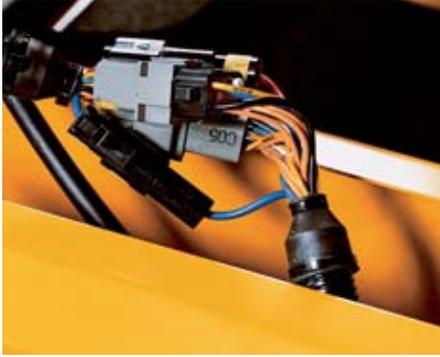
All the gauges and warning lights are easy to see and keep you informed of critical machine functions. In addition to the fuel gauge and hour meter, there are visual and audible warnings for engine coolant temperature, engine oil pressure, and hydraulic oil



temperature. There are also visual indicators for the alternator charging system, air filter restriction, hydraulic filter bypass, and engine preheat.



Built tough, from the inside out



Tough work calls for a machine that is built to take any punishment you can dish out. That's why the Volvo Skid Steer Loader is perfect for any application. It has the inner strength – and the outer durability – to handle the toughest jobs.

At the core of all Volvo Skid Steer Loaders is a one-piece mainframe constructed of high strength steel that's welded for strength and durability. The loader arms are constructed of tubular steel with a large diameter torque tube to prevent twisting or bending when lifting heavy loads. There's also bolt-on polyurethane stops mounted on the lower front corners of the frame to cushion the loader arm and eliminate noise.

The heavy-duty endless drive chains offer easy adjustment and replacement, while providing long life. And the induction hardened, forged one-piece axle design provides outstanding strength and durability.

Critical electrical connections are waterproof and the wiring harness is fixed to the chassis in a protective sheath to guard against wear caused by vibrations, dust and heat. In addition, the fasteners and the hydraulic pipes are plated to prevent corrosion.



Take a tour of the Volvo Multi-Tool Carrier Skid Steer Loader

Productivity

- Loader arm design provides an excellent height to hinge pin clearance.
- Powerful and durable hydraulic gear pump provides excellent flow capacity and hydraulic horsepower.
- Model MC70, MC90, and MC110 can also be equipped with high-flow hydraulics to power attachments such as planers, trenchers and more.
- Large diameter lift cylinders with hardened, chrome plated rods are factory tested to ensure that the cylinder rods are corrosion resistant. Provides excellent breakout force.
- Two double acting tilt cylinders with hardened, corrosion-resistant chrome plated rods.
- High-capacity fuel tank for extended fueling intervals.
- One 12-volt, 660 cold cranking amp, maintenance-free battery on Models MC60, and MC70. One 12-volt, 950 cold cranking amp, maintenance-free battery on Models MC80, MC90, and MC110. The battery is located under the lockable center foot panel.
- Quick-Attach system for most attachments.
- Standard auxiliary hydraulics with flat faced couplers.
- Choice of hand/foot controls or hand only controls.
- Models MC90 and MC110 have servo operated steering controls.
- Industry proven double sprocket chain drive provides reduction for higher torque to the front and rear wheels.

Operator Comfort

- Large, roomy cab with anti-slip step on the cross tube, convenient grab handles on the side posts, a flat lockable center foot plate for plenty of foot room provides easy entry/exit.
- Retractable seatbelt automatically tightens the belt for optimum comfort and safety.
- Adjustable seat slides forward or back. The seat is contoured to help water drain off the seat. Optional deluxe seat is available.
- Bolt-on polyurethane stops are mounted on the lower front corners of the frame. The polyurethane stops cushion the loader arm when lowered all the way down to reduce noise.
- Standard rear window reduces noise and dust in the cab.
- The hydraulic tubes are zinc-bichromated for a better finish and total protection against rust.
- Standard battery disconnect.

Value

- One piece mainframe is constructed of high quality steel that's welded for strength and durability.
- Heavy duty, induction hardened, forged one piece axle design provides strength and reliability. Axle shafts are short to reduce the load placed on the shaft.
- Critical electrical connections are waterproof.
- Pins and fasteners are plated for protection against rust.



Serviceability

- Cab tilts forward after removing two bolts behind the cab. Spring assist cylinders make it easy to raise the cab and a mechanical latch safely locks the cab in the open position.
- Rear door swings open wide and engine cover flips up for excellent service access.
- Axles are sealed and bearings are lubricated for life.

- Heavy-duty endless drive chains can be adjusted quickly and easily. The chains can easily be removed and replaced.
- The lubed-for-life universal joint delivers power directly from the engine to the drive system.
- Hydraulic sight gauge is mounted to the side of the hydraulic tank inside the rear door and has a level indicator to easily determine the fluid level.
- Corrosion-resistant lift, tilt cylinder pins, and filament wound bushings require no lubrication.

Safety

- Standard backup alarm.
- Standard horn.
- Hydraulic spool lockouts for the loader arm and attachment lift circuits engage when the restraint bar is raised or the key is turned off.
- Pivoting operator restraint bar moves up out of the way to engage the park lock and pulls down to release the park lock.
- Safety strut is an integral part of the loader arm and has a locking pin.
- Standard engine fan guard protects the fan area from debris and reduces the risk of injury.
- Large rear window, wide cab opening, low-mounted loader arms, and lift cylinders provide excellent visibility all around.
- ROPS/FOPS certified cab and side screens to protect the operator



Volvo makes it easy to keep you running



Downtime on the job is unacceptable. So your machine better be ready to run at the start of every day. Volvo Skid Steer Loaders are built service-friendly for easy routine maintenance.



The rear door swings open wide and the top engine cover flips up to give you access to all key service points. The drive chain access plate can be removed to get to key chaincase components. And a hydraulic sight gauge with a level indicator is mounted on the hydraulic tank, inside the rear door. In addition, corrosion-resistant pins and self-lubricating bushings require minimal lubrication, saving time, and money.

For driveline access, the cab can be tilted forward by removing just two bolts behind the cab. Spring assist cylinders make it easy to raise the cab and a mechanical latch safely

locks the cab in the open position.

The fuse panel is inside the cab, so you can change fuses quickly and easily from the seat. Also in the cab is the maintenance-free battery, located under the lockable center foot panel for easy access.

Features designed to help keep you safe



Safety has always been a cornerstone of Volvo products, and the Volvo Skid Steer Loaders are no exception. The machines are loaded with features designed to help keep you, and those around you, safe from harm.

Inside the ROPS (Roll Over Protective Structure)/FOPS (Falling Object Protective Structure) cab, you'll find a retractable seatbelt and operator restraint bar that keeps you rooted in the seat. When you raise the restraint bar or turn off the machine, the hydraulic controls are locked out. Lifting the restraint bar also activates the mechanical parking lock.

The wide cab opening, large rear window, low-mounted loader arms, and lift cylinders guarantees excellent operator visibility all around.

And the rear cab window can be used as an emergency exit if necessary.

There's a standard backup alarm, horn, an engine fan guard, and a safety strut that is integral to the loader arm for safety during service.

Of course, it doesn't matter how well your machine performs if it's not protected against damage from vandals. That's why Volvo Skid Steer Loaders are filled with features to protect them from tampering, including a lockable rear door, and fuel cap. In addition, there's a battery disconnect switch under the lockable center foot panel to keep unauthorized individuals from using the machines.



You pick the job, we'll provide the attachment

The Volvo Multi-tool Carrier Skid Steer Loader is quite possibly the most versatile piece of equipment you'll have on your job site. From trenching and breaking concrete to loading pallets and clearing snow, these machines are ready to perform when and where you need them.

The quick attach system can be used with most attachments available today. They also have flat-face couplers for easy connection while creating a tight seal for less chance of contamination. Here are just a few of the many Volvo and Volvo Allied attachments available from your local Volvo dealer:



Trenchers



Buckets



Tracks



Pallet Forks



Grapple Buckets



Sweepers



Augers



Cold Planers



Power Rakes



Pickup Brooms

The Volvo Compact Equipment Family



Compact Wheel Loaders

		L20B	L25B	L30B
Bucket Capacity	(m ³) yd ³	(0.6) 0.79	(0.8) 1.0	(1.0) 1.3
Net Engine Power	(kW) HP	(39) 54	(43) 60	(49) 69
Full Turn Tipping Load	(kg) lbs	(2800) 6,173	(3400) 7,496	(3850) 8,488
Hinge Pin Height	(mm) ft-in	(3110) 10 ft 2 in	(3140) 10 ft 3 in	(3200) 10 ft 6 in
Weight (cab)	(kg) lbs	(4350) 9,590	(4800) 10,582	(5500) 12,125

		L35B	L40B	L45B
Bucket Capacity	(m ³) yd ³	(1.05) 1.4	(1.2) 1.6	(1.4) 1.8
Net Engine Power	(kW) HP	(52) 70	(63) 86	(73) 100
Full Turn Tipping Load	(kg) lbs	(3950) 8,708	(4650) 10,251	(5250) 11,574
Hinge Pin Height	(mm) ft-in	(3315) 10 ft 11 in	(3555) 11 ft 8 in	(3650) 12 ft
Weight (cab)	(kg) lbs	(5800) 12,790	(7800) 17,200	(8300) 18,300



Compact Excavators

		EC15B	EC20B	EC25	EC30
Weight (cab)	(kg) lbs	(1761) 3,826	(1901) 4,192	(2790) 6,152	(3090) 6,813
Net Engine Power	(kW) HP	(11) 15	(11) 15	(17) 23	(17.8) 24
Digging Depth	(mm) ft-in	(2050) 6 ft 9 in	(2350) 7 ft 9 in	(2520) 8 ft 3 in	(2740) 9 ft
Bucket Breakout Force	lbf (daN)	(1510) 3,394	(1850) 4,159	(2180) 4,900	(2420) 5,440
Dipper Tearout Force	lbf (daN)	(960) 2,158	(1250) 2,810	(1490) 3,350	(1720) 3,867

		EC35	EC45	EC55
Weight (cab)	(kg) lbs	(3540) 7,805	(4250) 9,371	(4910) 10,824
Net Engine Power	(kW) HP	(21) 29	(27) 37	(38) 52
Digging Depth	(mm) ft-in	(3175) 10 ft 5 in	(3315) 10 ft 11 in	(3810) 12 ft 6 in
Bucket Breakout Force	lbf (daN)	(2964) 6,564	(3240) 7,283	(4070) 9,149
Dipper Tearout Force	lbf (daN)	(2190) 4,923	(2480) 5,575	(2730) 6,137



Backhoe Loaders

		BL70
Digging Depth	(mm) ft-in	(4496) 14 ft 9 in
Net Engine Power	(kW) HP	(67.3) 90
Loader Bucket Capacity	(m ³) yd ³	(1.0) 1.3
Loader Lift Capacity	(kg) lbs	(3456) 7,619
Weight (cab, 4WD, Ext.)	(kg) lbs	(8074) 17,800



Skid Steer Loaders

		MC60	MC70	MC80	MC90	MC110
Operating Capacity	(kg) lbs	(612) 1,350	(681) 1,500	(794) 1,750	(907) 2,000	(1043) 2,300
Engine Power	(kW) HP	(36.9) 49.5	(45) 60	(64) 86	(64) 86	(64) 86
Hinge Pin Height	(mm) ft-in	(2891) 9 ft 6 in	(2891) 9 ft 6 in	(3075) 10 ft 1 in	(3075) 10 ft 1 in	(3075) 10 ft 1 in
Operating Weight	(kg) lbs	(2485) 5,478	(2677) 5,902	(3101) 6,837	(3281) 7,233	(3472) 7,654



Technology on Human Terms

The Volvo Construction Equipment is one of the world's leading manufacturers of construction machines, with a product range encompassing wheel loaders, excavators, articulated haulers, motor graders, and compact equipment.

The tasks they face vary considerably, but they all share one vital feature: technology that helps man perform better, safely, efficiently, and with care of the environment. We refer to it as Technology on Human Terms.

The sheer width of the product range means it is always possible to choose exactly the right machine and attachment for the job. Each machine also comes with the quality, continuity, and security which is represented by the

Volvo name. The security of the service and parts organization; the security of always having immediate access to leading-edge research and technical development are part of the Volvo name. A machine from Volvo meets the highest demands in all kinds of jobs, under all conditions, the world over.

Volvo Construction Equipment develops, manufactures, and markets construction equipment. We are a Volvo company with production facilities on four continents and a market presence in over 100 countries.

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.

VOLVO

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