



Bucket	Size	A	B	C	D	E	F	G	H	I
Shark	9m <sup>3</sup>	7023	2897	4002	11964	12533	3156	3259	5200	R7872
Shark	10.7m <sup>3</sup>	7147	2790	4121	12083	12705	3356	3459	5346	R8018

### Main dimensions

Total length	11 993 mm (472")
Width without bucket	3 029 mm (119")
Maximum width	3 100 mm (122")
Std. height with safety cabin	2 950 mm (116")
Ground clearance	505 mm (20")

### Weights

Operating weight	56 800 kg (125 220 lb)
Total loaded weight	77 800 kg (171 520 lb)
Shipping weight	56 400 kg (124 340 lb)
Axle weights without load:	
Front axle	23 600 kg (52 030 lb)
Rear axle	33 200 kg (73 190 lb)
Axle weights with load:	
Front axle	56 600 kg (124 780 lb)
Rear axle	21 200 kg (46 740 lb)

Unit weight is dependent on the selected options

### Capacities

Tramming capacity	21 000 kg (46 300 lb)
Breakout force, lift	378 kN (38 500 kg) (84 880 lb)
Breakout force, tilt	344 kN (35 100 kg) (77 380 lb)
Tipping load	47 700 kg (105 160 lb)
Bucket std.	8.0 m <sup>3</sup> (10.5 yd <sup>3</sup> ), GET-abrasion system

### Bucket motion times

Raising time	8,4 sec.
Lowering time	4,5 sec.
Tipping time	1,8 sec.

### Driving speeds forward and reverse

1st gear	4,6 km/h (2.9 mph)
2nd gear	8,2 km/h (5.1 mph)
3rd gear	14,2 km/h (8.8 mph)
4th gear	25,5 km/h (15.8 mph)

### Frame

Rear and front frame	Welded steel construction
Central hinge	Adjustable upper bearing
Hydr. tank and cabin base bolted and welded to the frame	

### Standard engine

Diesel engine	Volvo TAD1363VE, MSHA approved
Output	345 kW(469 hp) / 1900 rpm
Torque	2348 Nm (1731 lbf ft) / 1350 rpm
Number of cylinders	In line 6
Displacement	12,78 liters
Cooling system	Water cooled Piston pump driven cooler fan
Combustion principle	Four stroke, direct injection, turbo with intercooler
Electric system	24 V starter and accessories
Air filtering	Donaldson
Exhaust system	Catalytic purifier and muffler, Double wall exhaust pipe
Fuel tank capacity	620 l (164 gal)

### Standard converter

Dana CL 9652

### Standard gearbox

Dana 8421H Power shift (automatic gear shift control)  
gear box with modulation, 4 + 4 speeds

### Standard axles

Front axle	Dana 58R397 Posi-stop brakes, Posi-torque differential without springs, fixed
Rear axle	Dana 58R397 Posi-stop brakes, Posi-torque differential without springs, oscillating $\pm 8^\circ$ .

### Standard brakes

Service brakes are spring applied, hydraulically released multidisc wet brakes (Posi-Stop) on all wheels, two separate circuits for the front and rear axle. Service brakes also function as an emergency and parking brake. Electrically driven pump for brake emergency / towing releasing. Automatic brake activation ABA. Separate oil tank for brake circuit.

Main components in the brake system:

Pressure accumulator	
Brake pedal valve	
Brake valve	
Charging valve	
Brake tank capacity	75 l (20 gal)

### Standard tyres

Size and type 35/65R33 VSDL L-5 \*\*  
Brand and type subject to availability

Other type of tyres available to user's choice. In certain applications the productive capabilities of the loader may exceed the TKPH value given by tyre manufacturer. Sandvik Mining and Construction recommends that the user consult their tyre supplier to evaluate conditions and to find the best solution for application.

### Standard cabin

ROPS / FOPS tested & certified, rubber mounted, pressurized, air-conditioned and noise proofed, height 2950 mm (116")

### Controls

Joystick bucket & steering, gear selector buttons on the joystick  
Heavy duty switches

### Steering hydraulics

Hydraulic, centre-point articulation, power steering with two double acting cylinders. Steering controlled by stick, interlock protection. Emergency steering is optional.  
Turning angle  $\pm 42,5^\circ$   
Turning radius with std bucket Inner 3773 mm (148")  
Outer 7860 mm (309")

Main components in steering system:

Main valve	
Steering hydraulic cylinders	2 pcs, 125 mm (4.9")
Steering pump	Piston type

Pressure settings:

Steering hydraulics	25 Mpa(250 bar)
Shock load valves	30 Mpa(300 bar)

### Bucket hydraulics

Monostick bucket and boom control. The bucket hydraulics has one own pump and the oil flow from steering hydraulic pump is directed to bucket hydraulics when steering is not used.

Boom system	Z-link
Lift cylinders	2pcs, ø200 mm (7.9")
Tilt cylinder	1pcs, ø250 mm (9.9")

Pressure setting for:

Servo circuit	3,5 Mpa (35 bar)
Bucket hydraulics	28 MPa (280 bar)
Shock load valves	30 MPa (300 bar)

Main components:

Servo control valve	Toro
Main valve	Rexroth
Pump for pilot hydraulics	Piston type, Rexroth
Pump for bucket hydraulics	Piston type, Rexroth
Fittings	ORFS, SAE-flange

Oil cooler (2 pcs) for hydraulic and transmission oil.

Capability up to 52°C ambient temperature

Hydraulic oil tank capacity 450 l

### Standard Lubrication system

Automatic central lubrication,

Dog bone pins with grease chamber

### Electrical equipment

Alternator	140 A, Bosch
Batteries	2 x 12 V, 180 Ah
Starter	24V
Driving and working lights	4 pcs in front 4 pcs in rear 4 pcs in cabin
Parking lights	2 pcs in front (LED lights) 2 pcs in rear (LED lights)
Brake lights	
Blinkers	
Control system	5,7" display, 5 modules, inbuilt system diagnostics

### Safety equipment

Seat belt  
Lockable main switch  
Reverse alarm  
External shutdown, 2 pcs in rear

### Others

Decal language EU-languages

### Standard manuals

Instructions Manual	
-Operator's Manual	EU-languages
-Maintenance Manual	EU-languages
Parts Manual	English
Service and Repair Manual	English

ToolMan CD, (2 pcs) In pdf format

-Instructions Manual  
-Operator's Manual  
-Maintenance Manual  
-Parts Manual  
-Service and Repair Manual

### Main Options:

- \* Replaces standard equipment
- \* Engine Volvo TAD1363VE, 345kW (469hp), Euro Stage 3B / Tier 4i (for EU and Japan)
- \* Engine Deroit S60 DDEC V, 354 kW (475 hp), MSHA approved (confirmed lead times are subject to engine availability)
- \* Safety cabin with swivel seat (high backrest) & controls ±25°, ROPS/FOPS, height 2990 width 3200 (without bucket)
- \* Bucket size 9.0 m<sup>3</sup> (11.8yd<sup>3</sup>), width 3100 mm (122"), GET abrasion system
- \* Bucket size 9.8 m<sup>3</sup> (12.8yd<sup>3</sup>), width 3300 mm (130"), GET abrasion system.
- \* Bucket size 10.7 m<sup>3</sup> (14.0yd<sup>3</sup>), width 3300 mm (130"), GET abrasion system.
- Shark, 50 mm Blue Pointers for buckets 6.0-8.4 m<sup>3</sup>
- Shark, 50 mm Blue Pointers for buckets 8.5-10.7 m<sup>3</sup>
- Emergency steering (CEN).
- Electrical fill-up pump for hydraulic oil.
- Fire suppression system ANSUL, two-tanks, 8 nozzles (CEN).
- Fire suppression ANSUL, two-tanks 8 nozzles, (CEN) CHECKFIRE.
- Auto engine shut down, ANSUL / DDEC.
- Sandvik FS1000 fire suppression system with auto engine shut down
- Fire extinguisher 12 kg (CEN).
- RRC complete, HBC
- RRC interface, HBC
- RRC recovery kit, hook included.
- Load weighing device, Tamtron PKVS 300 M
- Ride control system with piston accumulators.
- Accordance with CE-norms (CEN).
- Disassembly needed shaft dim: TBA
- Rotating beacon (CEN with RRC)
- Wiggins fill set (hydr,transm, eng. oil)
- Wiggins fuel fill system
- AutoMine electrics, hydraulics, navigation, communication and video components
- CatBase/LinkOne spare part manuals and additional Instructions, Workshop, Spare part manuals, ToolMan CD's are available.