MEKWEL

MV10 Skid Steer Loader

MV10

POWERFUL & DURABLE





53.7 kW

Rated power

4000 kg

Operating weight

0.6 m³

Bucket capacity

MEKWEL

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ABOUT MV10

The MV10 skid steer loader combines a 53.7 kW engine with a 4000 kg operating weight and a 1100 kg rated load. Electro-hydraulic proportional control and a 0.6 m³ bucket support loading, earthmoving and material handling.

POWERFUL & DURABLE



Application scenarios

- Palletized goods (with forks)
- Orchard & agricultural work
- Small earthmoving & rural self-built houses
- Material, agricultural stacking
- Landscaping & private gardens
- Soil and waste transfer



Compact proportions. Confident handling.

An overall tyre width of 1800 mm and a cab height of 2040 mm define the MV10 footprint. Overall length is 3884 mm, including the bucket.

A 1320 mm wheelbase, 1500 mm wheel track and 205 mm ground clearance define the chassis.

Front turning radii are 1430 mm without the bucket and 2337 mm with the bucket. Maximum speed is specified as 19 ± 5% km/h.



Efficient Power & Proportional Control

The 4TNV98CT-NTY engine is rated at 53.7 kW at 2500 rpm. Displacement is 3.319 L (pressurization), with maximum torque of 291 N·m at 1625 rpm. The specification lists U.S. EPA Tier 4 Final/EU Stage V emissions.

Electro-hydraulic proportional control brings the loading and travel functions into one operating platform. The rated load is 1100 kg and tipping load is 2200 kg.

Power & Versatility

A maximum breakout force of 30 kN and maximum traction force of 32 kN support loading, pushing and material handling.

Hydraulic flow is 80 L/min, increasing to 120 L/min in convergence mode. System pressure is 210 ± 10 bar.

Hydraulic connections

Front-mounted couplings are positioned beside the cab and lift-arm assembly.



PERFORMANCE & BEAUTY





PERFORMANCE MEETS BEAUTY

Traffic-white body panels, graphite-black working structures and a glazed cab define the MV10 profile. Its four-wheel chassis, lift-arm assembly and front hydraulic connections bring the working components into a clean, purposeful design.



1100 kg
Rated load

2200 kg
Tipping load

0.6 m³
Bucket capacity (high)



53.7 kW

Power system

The MV10 uses the 4TNV98CT-NTY engine with four cylinders, a 96 mm bore and 103 mm stroke. Rated power is 53.7 kW at 2500 rpm, with maximum torque of 291 N·m at 1625 rpm.

The open rear service compartment reveals the engine, filters and hose arrangement. The rear door carries the cooling core and fan assembly.



Forward visibility

The front glazing and side windows provide sightlines around the working area.

Work lights

Roof-mounted lights and exterior mirrors are visible on the cab structure.

Proportional control

The specified operating mode is electro-hydraulic proportional control.

Power system parameters

Engine model	4TNV98CT-NTY
Rated power	53.7 kW
Rated speed	2500 rpm
Displacement	3.319 L (pressurization)
Max. torque	291 N·m @ 1625 rpm
Emission stage	U.S. EPA Tier 4 Final/EU Stage V
Cooling pattern	Hydrocooling
Diesel tank capacity	105 L



Tyres & chassis

The specified tyre size is 12-16.5-12PR. Wheelbase is 1320 mm, with a 1500 mm wheel track.

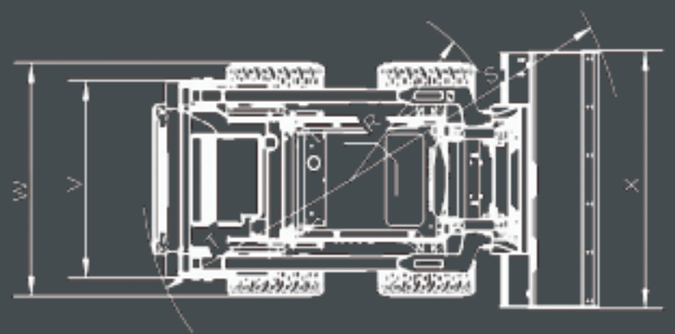


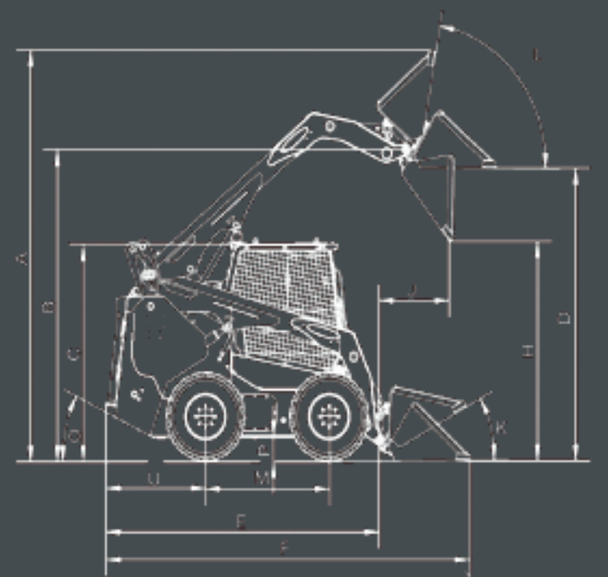
Cooling & service access

The open rear door exposes the cooling assembly, while the engine bay reveals filters and hose connections.

MV10

DETAILED PARAMETERS





Power & Systems

Engine model	4TNV98CT-NTY
Rated power	53.7 kW
Emission stage U.S. EPA Tier 4 Final/EU Stage V	
Rated speed	2500 rpm
Cooling pattern	Hydrocooling
Cylinder amount	4
Bore	96 mm
Stroke	103 mm
Displacement 3.319 L (pressurization)	
Max. torque	291 N·m @ 1625 rpm
Hydraulic flow	80 L/min
Hydraulic flow (convergence)	120 L/min
Hydraulic pressure	210 ± 10 bar
Diesel tank capacity	105 L
Hydraulic oil tank capacity	50 L

Performance & Capacity

Rated load	1100 kg
Tipping load	2200 kg
Operating weight	4000 kg
Max. breakout force	30 kN
Max. traction force	32 kN
Lifting capacity at max. reach	2500 kg
Operation mode Electro-hydraulic proportional control	
Tyre	12-16.5-12PR
Max. speed	19 ± 5% km/h
Total cycle time	11 s
Bucket capacity (high)	0.6 m³

Dimensions

A. Max. operation height	4144 mm
B. Height to hinge pin	3166 mm
C. Height to top of cab	2040 mm
D. Clearance: level bucket	2997 mm
E. Overall length (without bucket)	2957 mm
F. Overall length	3884 mm
G. Dumping angle	48°
H. Max. dumping height	2326 mm
K. Rollback angle: on the ground	30°
L. Rack angle at full lift	91.5°
J. Dumping reach	866 mm
M. Wheelbase	1320 mm
O. Departure angle	25°
P. Ground clearance	205 mm
R. Front turning radius (without bucket)	1430 mm
S. Front turning radius (with bucket)	2337 mm
T. Rear turning radius	1806 mm
U. Length: rear	1060 mm
V. Wheel track	1500 mm
W. Width over tyres	1800 mm
X. Width over bucket	2000 mm