MEKWEL

MV12 Skid Steer Loader

MV12

POWERFUL & DURABLE





53.7 kW

Rated power

4000 kg

Operating weight

0.6 m³

Bucket capacity

MEKWEL

MEKWEL Machinery Group

Whatsapp: +86 19852870109

E-mail: info@mekwel.com

https://mekwel.com

Copyright - MEKWEL Machinery Group

ABOUT
MV12

The MV12 skid steer loader combines a 53.7 kW engine with a 4000 kg operating weight and a 1260 kg rated load. Electro-hydraulic proportional control, two travel-speed ranges and a 0.6 m³ bucket make it a versatile platform for 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 MV12 footprint. The machine measures 3925 mm long, including its bucket.

A 1320 mm wheelbase and 205 mm ground clearance complete the chassis dimensions.

Front turning radius is 1450 mm without the bucket and 2300 mm with the bucket. Low and maximum travel speeds are 11 and 19 km/h.



Efficient Power & Proportional Control

The 3.319 L power unit is rated at 53.7 kW at 2500 rpm, with maximum torque of 291 N·m at 1625 rpm. The specification lists EPA T4F / EU Stage V emissions.

Electro-hydraulic proportional control brings the loading and travel functions into one operating platform. Two speed ranges support work-site movement.

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 rated at 95 L/min, increasing to 142.5 L/min in convergence mode. System pressure is 210 bar.

Hydraulic connections

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



PERFORMANCE & BEAUTY





PERFORMANCE MEETS BEAUTY

Traffic-white bodywork, graphite-black working structures and a glazed cab give the MV12 its distinctive industrial profile. A four-wheel chassis, visible lift-arm structure and front hydraulic connections bring the machine's working components into a clean, purposeful design.



1260 kg
Rated load

2520 kg
Tipping load

0.6 m³
Bucket capacity (high)



53.7 kW

Power system

The MV12 combines 3.319 L displacement with 53.7 kW rated output. Maximum torque reaches 291 N·m at 1625 rpm, with a rated engine speed of 2500 rpm.

The rear service compartment reveals the power unit, hoses and filter arrangement. A cooling core and fan assembly are mounted on the rear door, bringing the installed system into clear view.



Forward visibility

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

Work lights

Roof-mounted lights and exterior mirrors are integrated into the upper cab structure.

Proportional control

The specified operating mode is electro-hydraulic proportional control for machine functions.

Power system parameters

Rated power	53.7 kW
Rated speed	2500 rpm
Displacement	3.319 L
Maximum torque	291 N·m @ 1625 rpm
Emission stage	EPA T4F / EU Stage V
Cooling pattern	Hydrocooling
Diesel tank capacity	105 L
Electrical system	12 V / 93 Ah



Hydraulic connections

The hydraulic couplings sit beside the cab. Flow ratings are 95 L/min and 142.5 L/min in convergence mode.

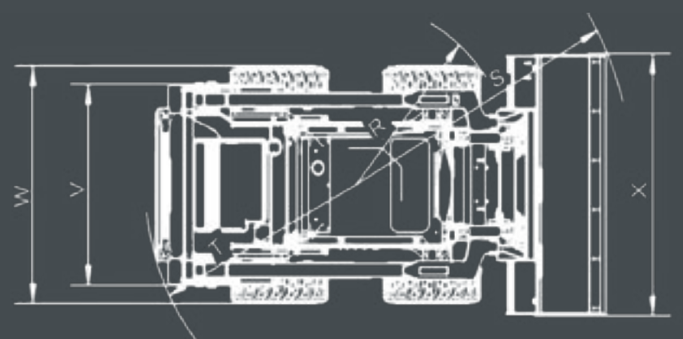


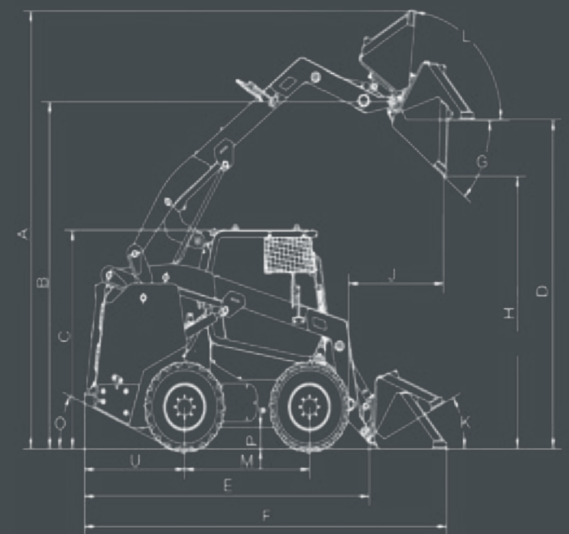
Cooling & service access

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

MV12

DETAILED PARAMETERS





Power & Systems

Rated power	53.7 kW
Rated speed	2500 rpm
Emission stage	EPA T4F / EU Stage V
Cooling pattern	Hydrocooling
Displacement	3.319 L
Max. torque	291 N·m @ 1625 rpm
Hydraulic flow	95 L/min
Hydraulic flow (convergence)	142.5 L/min
Hydraulic pressure	210 bar
Hydraulic oil tank capacity	50 L
Voltage	12 V
Battery capacity	93 Ah
Diesel tank capacity	105 L

Performance & Capacity

Rated load	1260 kg
Tipping load	2520 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	
Low gear speed	11 km/h
Max. speed	19 km/h
Total cycle time	13 s
Bucket capacity (high)	0.6 m³
Bucket capacity (flat)	0.47 m³

Dimensions

A. Max. operation height	4086 mm
B. Height to hinge pin	3235 mm
C. Height to top of cab	2040 mm
D. Clearance: level bucket	3065 mm
E. Overall length (without bucket)	3010 mm
F. Overall length	3925 mm
G. Dumping angle	40°
H. Max. dumping height	2520 mm
K. Rollback angle: on the ground	30°
L. Rack angle at full lift	83°
J. Dumping reach	1000 mm
M. Wheelbase	1320 mm
O. Departure angle	25°
P. Ground clearance	205 mm
R. Front turning radius (without bucket)	1450 mm
S. Front turning radius (with bucket)	2300 mm
T. Rear turning radius	1840 mm
U. Length: rear	1175 mm
V. Wheel track	1500 mm
W. Width over tyres	1800 mm
X. Width over bucket	2000 mm