MEKWEL

MR07 EV

Electric Skid Steer Loader

MR07 EV

POWERFUL & DURABLE





32 kW

Rated power

3250 kg

Operating weight

0.45 m³

Bucket capacity (heap)

MEKWEL

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ABOUT
MR07 EV

The MR07 EV electric skid steer loader pairs a 3250 kg operating weight with a 910 kg rated load. A 35 kWh LFP battery, dual travel motors and electric control support loading and material handling in compact work areas.

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



Electric drive. Compact working dimensions.

Overall dimensions are 3410 × 1800 × 1960 mm. Width over tyres is 1640 mm and ground clearance is 185 mm.

The 1079 mm wheelbase and 1370 mm wheel track define the four-wheel chassis.

Front turning radius is 1212 mm without a bucket and 1952 mm over the bucket. Maximum travel speed is 14 km/h.



Electric Power & Responsive Control

The travel system uses dual permanent magnet synchronous motors with gear reducers. The travel motor is rated at 8.5 kW, with maximum power of 15 kW. The hydraulic motor is rated at 15 kW, with maximum power of 20 kW.

Electric control supports the loading and travel functions. The operator station places two control levers beside the seat.

Loading Performance

Maximum breakout force is 21.5 kN and maximum traction force is 25 kN. Rated load is 910 kg and tipping load is 1820 kg.

Rated hydraulic flow is 79 L/min at a system pressure of 230 bar. Total cycle time is no more than 10 seconds.

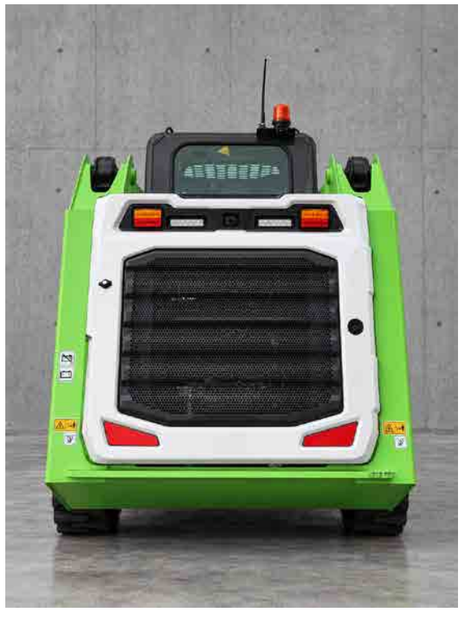
Working linkage

Maximum lifting capacity is 2450 kg. Dumping height is 2400 mm and dumping reach is 550 mm.



PERFORMANCE & BEAUTY





PERFORMANCE MEETS BEAUTY

Green body panels, a white rear door and graphite black working structures define the MR07 EV. The glazed cab, side protection grids and compact wheeled chassis bring the working components into a clean electric loader layout.



910 kg
Rated load

1820 kg
Tipping load

0.45 m³
Bucket capacity (heap)



35 kWh

Electric power system

The LFP battery has a specified energy capacity of 35 kWh and a voltage of 80 V ±5%. Working time is listed as 3.5-4.5 hours.

The rear and top covers open for access to major service points, and the cab tilts back. The supplied compartment photograph shows the electrical and hydraulic components.

Battery & Charging

Battery type	**Lithium battery**
Battery energy	**35 kWh**
Battery voltage	**80 V ±5%**
Working hours	**3.5-4.5 h**
Charging system rated power	**16 kW**
Charging time, 15%-90%	**1.8 h**
Charging time, 0%-100%	**2.4 h**



Operator station

Two control levers and the side protection grids are visible around the operator seat.

Electric control

Electric control is specified for loading and travel operation.

Service access

The rear and top covers open, with a tilting cab for access to service points.



Hydraulic connections

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

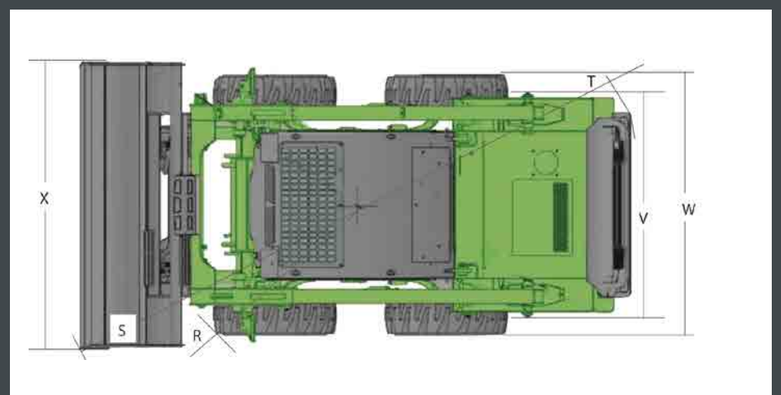


Hydraulic oil tank

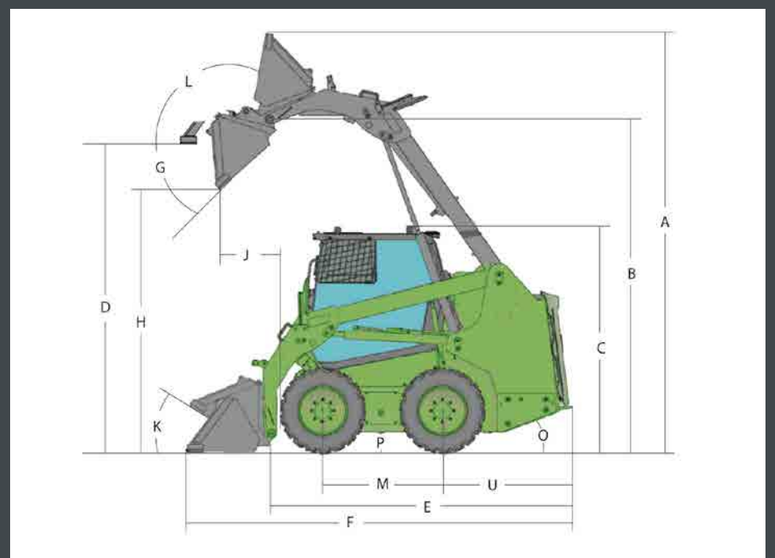
The compartment includes an external level gauge. Hydraulic tank capacity is 30 L.

MR07 EV

DETAILED PARAMETERS



TOP VIEW



SIDE VIEW

Power & Systems

Rated power	**32 kW**
Battery type	**Lithium battery**
Battery energy	**35 kWh**
Battery voltage	**80 V ±5%**
Charging system rated power	**16 kW**
Travel / hydraulic motor type	**Permanent magnet synchronous motor**
Travel motor rated power	**8.5 kW**
Travel motor max. power	**15 kW**
Hydraulic motor rated power	**15 kW**
Hydraulic motor max. power	**20 kW**
Rated hydraulic flow	**79 L/min**
System pressure	**230 bar**
Hydraulic tank capacity	**30 L**

Performance & Capacity

Rated load	**910 kg**
Tipping load	**1820 kg**
Operating weight	**3250 kg**
Max. breakout force	**21.5 kN**
Max. traction force	**25 kN**
Max. lifting capacity	**2450 kg**
Overall dimensions	**3410 × 1800 × 1960 mm**
Operation type	**Electric Control**
Max. speed	**14 km/h**
Total cycle time	**≤10 s**
Bucket capacity (heap)	**0.45 m³**
Bucket capacity	**0.4 m³**
Working hours	**3.5-4.5 h**

Dimensions

A. Max. operating height	**3800 mm**
B. Height to hinge pin	**3020 mm**
C. Height from ground to cab top	**1960 mm**
D. Max. bucket leveling height	**2865 mm**
E. Overall length without bucket	**2703 mm**
F. Overall length	**3410 mm**
G. Dumping angle	**40°**
H. Dumping height	**2400 mm**
K. Rollback angle at ground	**32°**
L. Bucket rollback at max. height	**101°**
J. Dumping reach at max. dump angle	**550 mm**
M. Wheelbase	**1079 mm**
O. Departure angle	**22°**
P. Ground clearance	**185 mm**
R. Front turning radius without bucket	**1212 mm**
S. Turning radius over bucket	**1952 mm**
T. Rear turning radius	**1792 mm**
U. Rear overhang length	**1162 mm**
V. Wheel track	**1370 mm**
W. Width over tyres	**1640 mm**
X. Width over bucket	**1800 mm**