MEKWEL

MC908 EV Electric Wheel Loader

MC908 EV

ELECTRIC COMPACT WHEEL LOADER





MEKWEL Machinery Group

WhatsApp +86 19852870109

info@mekwel.com

19 kW
Rated power

2835 kg
Operating weight

0.4 m³
Bucket capacity

© MEKWEL Machinery Group

ABOUT
MC908 EV

The MC908 EV is a compact electric wheel loader with 19 kW rated power, a 2835 kg operating weight and a 0.4 m³ bucket. Articulated steering helps the loader maneuver in confined work areas for loading, light earthmoving and material handling.

COMPACT ELECTRIC POWER



Application scenarios

- Palletized goods (with forks)
- Orchard work & agriculture
- Small earthmoving & rural construction
- Material handling & yard loading
- Landscaping & private gardens
- Soil and waste transfer



Compact proportions. Articulated steering.

The MC908 EV combines compact overall dimensions with center articulation for maneuvering in confined work areas.

Overall width 1578 mm. Wheelbase 1700 mm. Turning radius over the bucket 3320 mm.



Electric Drive & Hydraulic Control

The electric drive uses a permanent magnet synchronous motor. Travel and hydraulic motors are rated at 12 kW and 7 kW respectively.

Articulated steering and the hydraulic quick coupler support loading and attachment changes.

Power & Versatility

Maximum breakout force is 24 kN. Maximum traction force is 18 ± 1 kN.

Working hydraulic flow is 45.6 L/min at a specified working pressure of 18.5 MPa.

Lift linkage

Raised bucket and hydraulic connections.



PERFORMANCE & BEAUTY





PERFORMANCE MEETS BEAUTY

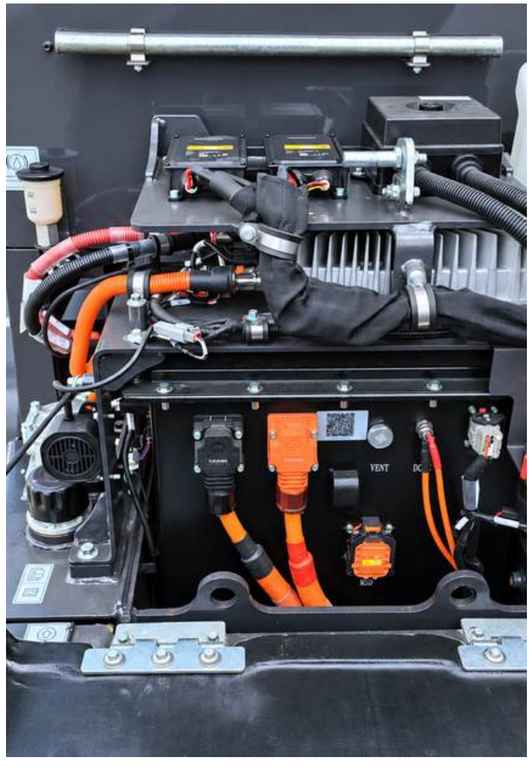
The enclosed cab, white rear hood and green lift arms define the MC908 EV. Front and rear views show its compact bodywork and bucket geometry.



2027 kg
Tipping load, straight

1647 kg
Tipping load, articulated

0.4 m³
Bucket capacity



19 kW

Electric power system

Two LFP battery capacities are listed: 20.711 kWh and 26.738 kWh. The battery and motor protection rating is IP67.

The rear hood opens to 90° for access to the battery, motor controller, fuse box, hydraulic tank and filters.

Power system parameters

Rated power	19 kW
Travel motor	12 kW
Hydraulic motor	7 kW
Battery capacity	20.711 / 26.738 kWh
Battery chemistry	LFP
System voltage	77.28 V
Cooling method	Air cooling
General working conditions	4–5 h
Heavy-duty working conditions	3–4 h



Enclosed cab

Glazed operator compartment.

Operator controls

Steering wheel and joystick.

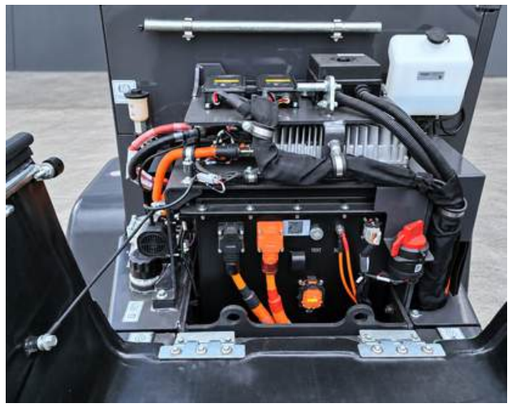
Operator seat

Seat and visible lap belt.



Digital display

Instrument display in the operator’s field of view.

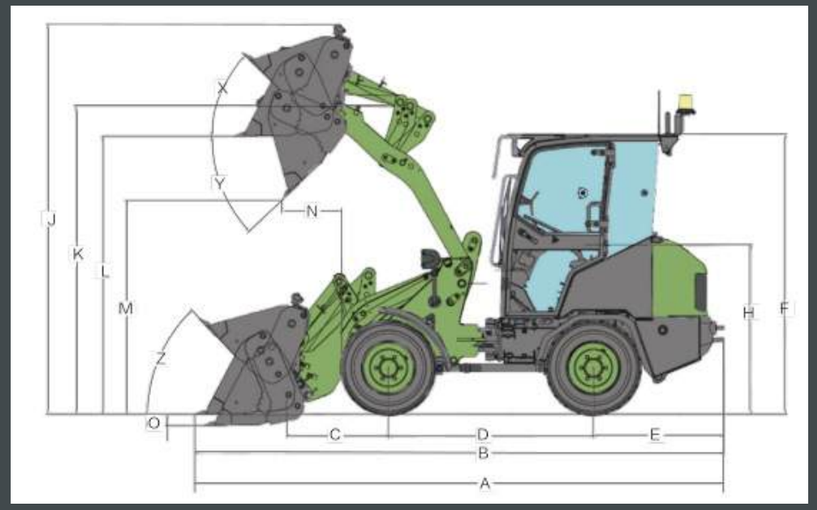


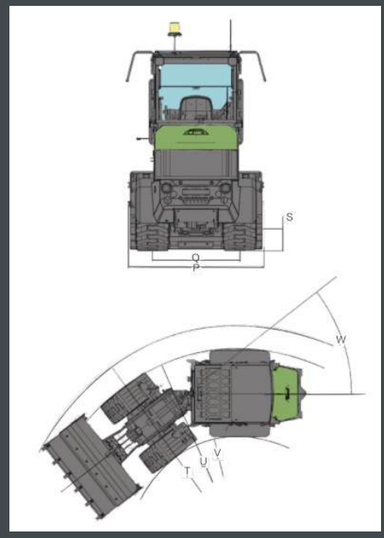
Electrical compartment

Rear access to electrical components.

MC908 EV

DETAILED PARAMETERS





Power & Systems

Rated power	19 kW
Travel / hydraulic motor	12 / 7 kW
Battery capacity	20.711 / 26.738 kWh
Battery voltage	77.28 V
Battery type / protection	LFP / IP67
Cooling method	Air cooling
12 kW DC charging (20–100%)	<1.5 / <2 h
6 kW AC (20.711 kWh)	<2.8 h
3.2 kW AC (20.711 kWh)	<5.2 h
General / heavy-duty operation	4–5 / 3–4 h
Motor protection	IP67
Operating temperature	–15 to +50 °C
Axle / speed ratio	Dry axle / 31.52
Working hydraulic flow / pressure	45.6 L/min / 18.5 MPa
Steering hydraulic flow / pressure	45.6 L/min / 17.5 MPa
Lift / tilt / steering cylinders	2 / 1 / 1
Sound pressure level	75 dB(A)
Exterior sound power level	86 dB(A)
Hydraulic oil / system capacity	26 / 50 L
Drive axle oil	7 L × 2

Performance & Capacity

Operating weight	2835 kg
Bucket capacity	0.4 m³
Tipping load, straight	2027 kg
Tipping load, fully articulated	1647 kg
Maximum traction force	18 ± 1 kN
Maximum breakout force	24 kN
Lift capacity at maximum height	1900 kg
Maximum gradeability	25°
Travel speed	8 / 18 km/h
Raising time	4.5 s
Lowering time	3.5 s
Dumping time	1.5 s

Dimensions

A Overall length	4305 mm
B Length without bucket	3545 mm
C Axle to bucket pivot	737 mm
D Wheelbase	1700 mm
E Rear overhang	1081 mm
F Overall height	2340 mm
H Seat height	1336 mm
J Total working height	3231 mm
K Hinge pin height, raised	2550 mm
L Bucket leveling height	2295 mm
M Dumping height	1828 mm
N Dumping reach	420 mm
O Digging depth	102 mm
P Overall width	1578 mm
Q Track width	1015 mm
S Ground clearance	230 mm
T Turn radius over bucket	3320 mm
U Turn radius over tire	2923 mm
V Turn radius inside tire	1506 mm
W Steering angle	40°
X Rollback, fully raised	45°
Y Dump angle at max. lift	43°
Z Rollback at ground	45.5°