MEKWEL

MC928 EV

Electric Wheel Loader

MC928 EV

POWERFUL & DURABLE





65 kW

Rated power

7000 kg

Operating weight

1.5 m³

Bucket capacity

MEKWEL

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ABOUT
MC928 EV

The MC928 EV electric wheel loader pairs a 7000 kg operating weight with a 1.5 m³ bucket. Electric drive and a compact articulated structure support loading and handling on farms, in municipal landscaping and around warehouses.

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 articulated design.

Overall width is 2460 mm and overall height is 2930 mm. A 2680 mm wheelbase and 325 mm ground clearance define the chassis dimensions.

Travel speed is 20 km/h and maximum gradeability is 26°. The specified tyre model is 16/70-24.

Turning radius is 5760 mm over the bucket, 5290 mm over the tyre and 3200 mm inside the tyre. Steering angle is 35°.



Electric Power & Precise Operation

The permanent magnet synchronous drive system combines a 40 kW travel motor and a 25 kW hydraulic motor. Motor protection is IP67, with a specified condition temperature of -40 to +85°C.

FNR pilot control supports travel direction selection. Intelligent hydraulic control supports precise, smooth working movements.

Loading Performance

Maximum traction force is 50 kN and maximum breakout force is 55 kN. Tipping load is 4600 kg.

The working pump delivers 138 L/min. Working system pressure is 18 MPa, and steering system pressure is 14 MPa.

Working linkage

Boom lifting time is 6.5 seconds. Tipping time is 1.9 seconds and boom drop time is 4.1 seconds.



PERFORMANCE & BEAUTY





PERFORMANCE MEETS BEAUTY

Green body panels, a white rear hood and graphite black working structures define the MC928 EV. A glazed cab, articulated chassis and wide bucket bring the working elements into a compact electric loader layout.



7000 kg	1.5 m³	3100 mm
Operating weight	Bucket capacity	Dumping height



70.47 / 99.18 kWh

Electric power system

Two lithium iron phosphate battery options are specified at 70.47 kWh and 99.18 kWh, with overall voltages of 310 V and 328 V. Battery protection is IP68, with liquid cooling.

Working time is listed as 8 hours in general conditions and 6 hours in heavy-duty conditions. Charging from 20% to 100% is specified at less than 2 hours with either 80 kW or 60 kW charging power.

Battery & Charging

Battery voltage	**310 V / 328 V**
Battery capacity	**70.47 kWh / 99.18 kWh**
Battery type	**LFP**
Battery protection	**IP68**
Battery cooling	**Liquid cooling**
Charging interval	**20%-100%**
Charging power 80 kW	**<2 h**
Charging power 60 kW	**<2 h**
Power supply voltage	**380 V**
Power supply frequency	**50 Hz**
Charging pile cable length	**5 m**
Working hours, general	**8 h**
Working hours, heavy duty	**6 h**



Operator station

The operator station features a 10-inch LCD display and adjustable seat and steering column.

Electric drive

A 40 kW travel motor and a 25 kW hydraulic motor provide the specified drive outputs.

Maintenance access

The side-flip hood opens by more than 90° for controller, battery and cable inspection.



Wheels & chassis

Tyre pressure is 0.33-0.35 MPa at the front and 0.31-0.33 MPa at the rear.

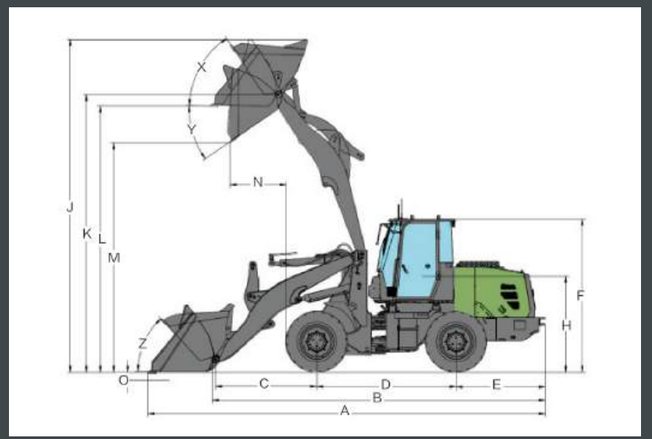


Hydraulic components

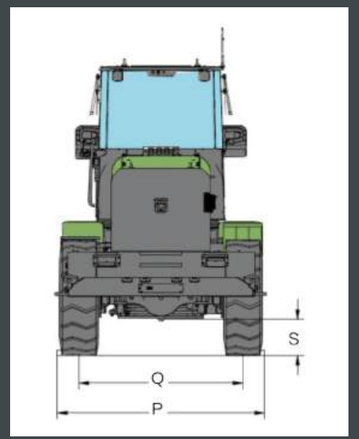
The linkage and hose routing are shown in the supplied product photograph.

MC928 EV

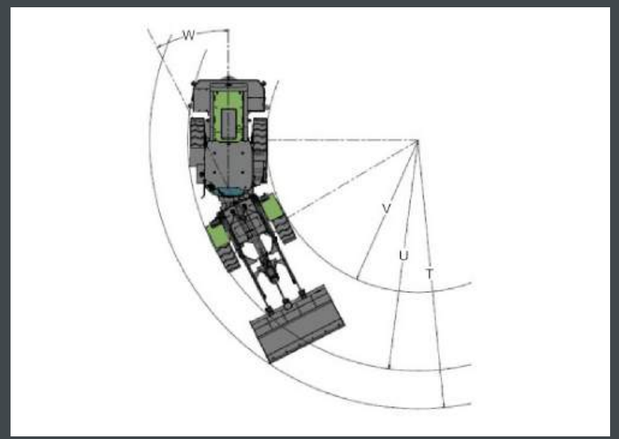
DETAILED PARAMETERS



SIDE VIEW



REAR VIEW



TURNING ENVELOPE

Power & Systems

Rated power	**65 kW**
Travel motor	**40 kW**
Hydraulic motor	**25 kW**
Motor protection	**IP67**
Motor condition temperature	**-40 to +85°C**
Drive axle type	**Dry axle**
Drive axle speed ratio	**23.188**
Working pump	**Gear pump**
Working pump flow	**138 L/min**
Working system pressure	**18 MPa**
Steering system pressure	**14 MPa**
Sound pressure level	**76 dB(A)**
Exterior sound power level	**101 dB(A)**
Hydraulic oil	**80 L**
Antifreeze	**20 L**
Drive axle oil	**13 L × 2**

Performance & Chassis

Operating weight	**7000 kg**
Bucket capacity	**1.5 m³**
Bucket width	**2460 mm**
Tipping load	**4600 kg**
Max. traction force	**50 kN**
Max. breakout force	**55 kN**
Boom lifting time	**6.5 s**
Tipping time	**1.9 s**
Boom drop time	**4.1 s**
Max. gradeability	**26°**
Travel speed	**20 km/h**
Tyre model	**16/70-24**
Tyre pressure, front	**0.33-0.35 MPa**
Tyre pressure, rear	**0.31-0.33 MPa**
Service brake	**Flexible Shaft Parking Brake**
Parking brake	**Hydraulic Braking**

Dimensions

A. Overall length	**6510 mm**
B. Overall length without bucket	**5380 mm**
C. Axle center to bucket pivot	**955 mm**
D. Wheelbase	**2680 mm**
E. Rear overhang length	**1720 mm**
F. Overall height	**2930 mm**
H. Seat height	**1850 mm**
J. Total working height	**4560 mm**
K. Hinge pin height, fully raised	**3910 mm**
L. Bucket leveling height	**3690 mm**
M. Dumping height	**3100 mm**
N. Dumping reach	**710 mm**
O. Digging depth	**25 mm**
P. Overall width	**2460 mm**
Q. Track width	**1660 mm**
S. Ground clearance	**325 mm**
T. Turning radius over bucket	**5760 mm**
U. Turning radius over tyre	**5290 mm**
V. Turning radius inside tyre	**3200 mm**
W. Steering angle	**35°**
X. Rollback angle, fully raised	**54.8°**
Y. Dumping angle at max. lift	**36°**
Z. Rollback angle at ground	**46°**