MEKWEL

MC7 Skid Steer Loader

MC7

POWERFUL & DURABLE





36.8 kW
Rated power

2950 kg
Operating weight

0.45 m³
Bucket capacity (high)

MEKWEL

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ABOUT
MC7

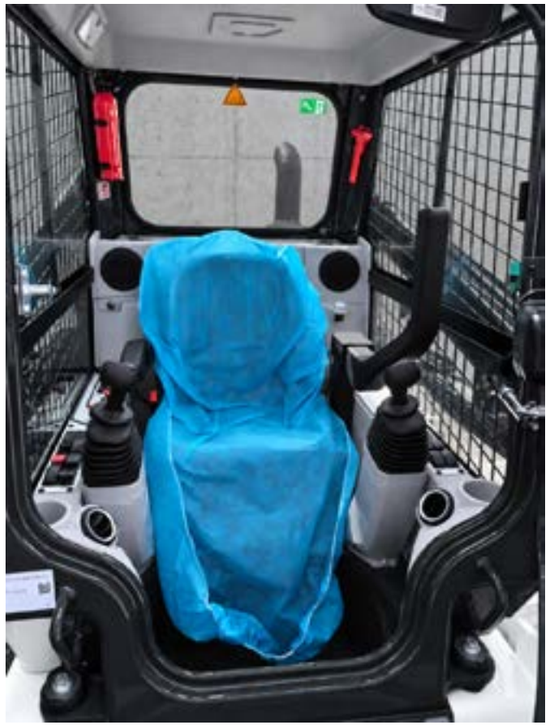
The MC7 skid steer loader combines 36.8 kW of rated power with an 890 kg rated load and a 0.45 m³ bucket (high). Its compact wheeled chassis is designed for loading and material handling in confined work areas.

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



Compact proportions. Confident handling.

The cab features side protection grids and two control levers. The overall width over tyres is 1640 mm, and height to the top of the cab is 1960 mm.

Wheelbase is 1079 mm and ground clearance is 185 mm.

Front turning radius is 1212 mm without a bucket and 1952 mm with a bucket. Travel speed is 14 km/h.



Efficient Power & Pilot Hydraulic Control

The YUCHAI-YCF3050 engine produces 36.8 kW at 2400 rpm. Displacement is 2.982 L and maximum torque is 190 N·m.

Pilot hydraulic actuation is paired with an 890 kg rated load and a 1780 kg tipping load.

Power & Versatility

Maximum breakout force is 24 kN. Traction force reaches 25 kN.

Rated hydraulic flow is 79 L/min at a system pressure of 21 MPa. Total cycle time is 10 seconds.

Lift hydraulics

The side detail shows the hydraulic cylinder and hose routing beside the lift arm.



PERFORMANCE & BEAUTY





PERFORMANCE MEETS BEAUTY

White body panels and graphite black lift arms frame the glazed cab. The four-wheel chassis and compact dimensions suit loading and earthmoving in confined spaces.



890 kg	1780 kg	0.45 m³
Rated load	Tipping load	Bucket capacity (high)



36.8 kW

Power system

The YUCHAI-YCF3050 engine delivers 36.8 kW at 2400 rpm, with 2.982 L displacement and 190 N·m maximum torque.

The water-cooled system is visible through the open rear service compartment, together with the radiator, filters and hose connections.

Power system parameters

Engine manufacturer / model	**YUCHAI-YCF3050**
Rated power	**36.8 kW**
Rated speed	**2400 rpm**
Displacement	**2.982 L**
Max. torque	**190 N·m**
Emission stage	**China Stage III**
Cooling pattern	**Water cooling**
Hydraulic pressure	**21 MPa**
Electrical system	**12 V / 93 Ah**



Cab structure

The glazed front and side protection grid surround the operator station.

Work lights

Front work lights are positioned above the glazed door.

Pilot hydraulic control

Two control levers sit on either side of the operator seat.



Wheels & chassis

Wheel track is 1370 mm. Width over tyres is 1640 mm.

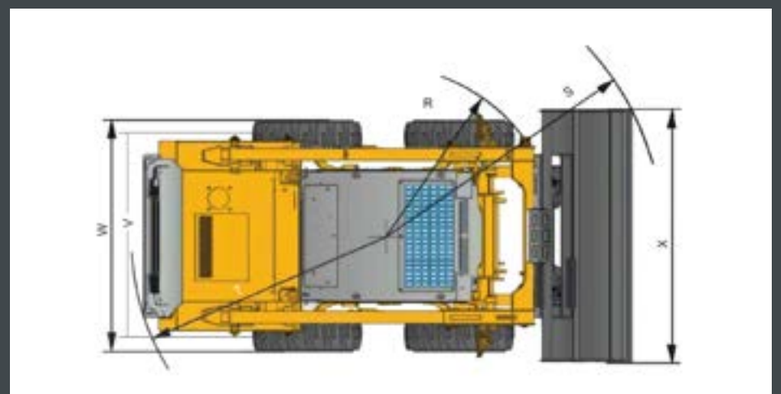


Cooling & service access

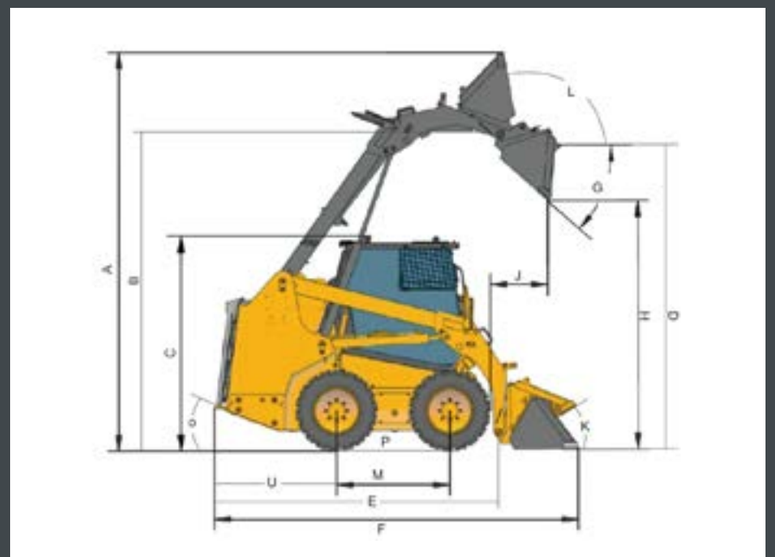
The open rear compartment shows the cooling core and filter assembly.

MC7

DETAILED PARAMETERS



TOP VIEW



SIDE VIEW

Power & Systems

Engine manufacturer / model	**YUCHAI-YCF3050**
Rated power	**36.8 kW**
Rated speed	**2400 rpm**
Emission stage	**China Stage III**
Displacement	**2.982 L**
Max. torque	**190 N·m**
Cooling pattern	**Water cooling**
Rated hydraulic flow	**79 L/min**
Hydraulic pressure	**21 MPa**
Voltage	**12 V**
Battery capacity	**93 Ah**
Diesel tank capacity	**78 L**
Hydraulic oil tank capacity	**45 L**

Performance & Capacity

Rated load	**890 kg**
Tipping load	**1780 kg**
Operating weight	**2950 kg**
Max. breakout force	**24 kN**
Max. traction force	**25 kN**
Lifting capacity at max. reach	**1780 kg**
Operation mode	**Pilot hydraulic actuated**
Travel speed	**14 km/h**
Total cycle time	**10 s**
Bucket capacity (high)	**0.45 m³**
Bucket capacity (standard)	**0.4 m³**

Dimensions

A. Max. operating height	**3800 mm**
B. Height to hinge pin	**3020 mm**
C. Height to top of cab	**1960 mm**
D. Level bucket clearance	**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 on the ground	**30°**
L. Rack angle at full lift	**101°**
J. Dumping reach	**550 mm**

M. Wheelbase	**1079 mm**
O. Departure angle	**22°**
P. Ground clearance	**185 mm**
R. Front turning radius without bucket	**1212 mm**
S. Front turning radius with 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**