



MCM 388

388

BACKHOE LOADER

BUILT TO PERFORM.

Load. Dig. Get it done.

Construction / Agriculture / Municipal works

81 kW

ENGINE POWER

8,200 kg

OPERATING WEIGHT

1.0 m³

LOADER BUCKET

3,967 mm

MAX. DIGGING DEPTH

TAKE CONTROL.

01 Rear working position

Paired joysticks and central levers, close at hand.



02 Instruments & switches

Gauges, warning switches and cooling controls in one console.



SPACE TO WORK.

Padded seat with armrests.

Overhead air outlets.

A wide, glazed cab.



POWER THAT WORKS.

81 kW / 2,500 kg loader lift / 3,967 mm digging depth



WORKING PERFORMANCE

Operating weight	8,200 kg
Loader bucket	1.0 m³
Loader lift capacity	2,500 kg
Loader breakout force	47 kN
Dumping height	2,807 mm
Dumping distance	908 mm
Backhoe bucket	0.3 m³
Max. digging depth	3,967 mm
Backhoe swing	180°
Max. pulling force	76 kN

DIMENSIONS & STEERING

Transport (L × W × H)	6,050 × 2,465 × 3,813 mm
Wheelbase	2,280 mm
Min. ground clearance	300 mm
Max. travel speed	39 km/h
Tyres (front / rear)	14-17.5 / 19.5L-24
Steering device	BZZ-250
Steering angle	±39°
Min. turning radius	6,581 mm
Steering pressure	14 MPa

ENGINE

Engine model	YC4A110Z-T23
Engine type	Turbocharged, four-stroke
Cylinders / bore × stroke	4 / 108 × 132 mm
Rated power	81 kW
Rated speed	2,200 r/min
Min. fuel consumption	197 g/kWh
Max. torque / speed	425 Nm / 1,500-1,800 r/min
Displacement	4.837 L

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DRIVELINE & AXLES

Final reducer	Single-stage final reducer
Axle rating (front / rear)	22.5 t / 18.5 t
Transmission system	Torque converter
Converter model	YJ290
Converter type	Single-stage, three-element
Max. efficiency	84.4%
Main transmission	Double reduction

GEARS & PRESSURES

Gears	4 forward / 4 reverse
Gearbox type	Fixed-shaft power transmission
Cooling method	Pressure-circulation oil cooling
Clutch oil pressure	2.0-2.3 MPa
Inlet pressure	0.5-0.65 MPa
Outlet pressure	0.15-0.3 MPa
Front tyre pressure	0.4 MPa
Rear tyre pressure	0.35 MPa

HYDRAULICS & BRAKING

Backhoe bucket force	50 kN
Dipper force	31 kN
Bucket lifting time	6.8 s
Bucket lowering time	3.1 s
Bucket discharge time	2.0 s
Brake system	Air-over-oil caliper brake
Service brake	External type; self-regulation; self-balance
Emergency brake	Operation power implementing brake / manual operation power terminating brake

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