WHEEL LOADER

R45CII



OPERATING WEIGHT

Standard configuration,
full fuel tank, and 80 kg operator. **4.885kg**

ENGINE

Manufacturer	JHEZIANG XINCHAI
Model	A498BT1
Net Power	49 hp (36,8 kW) @ 2.600 rpm
Maximum Net Torque	186 Nm @ 1.600 rpm
Aspiration	Natural
Cylinders	4
Displacement	63,2 ℓ
Injection System	Mechanical Injection Pump
Emission Certification	MAR 1 / Tier III

Air filter with primary and secondary elements and a pre-filter with cyclonic separation and oil bath.

TRANSMISSION

Powershift transmission (2F/2R) with mechanical reduction range, providing 4 forward and 4 reverse speeds.
Single-stage torque converter.

Maximum Speeds	Low Range	High Range
Forward	4,5 km/h	16,0 km/h
Reverse	3,9 km/h	14,0 km/h

ELECTRICAL SYSTEM

Voltage	24 V
Batteries	2
Battery Capacity	680 CCA
Alternator	70 A
Rear Cab Work Light	1
Front LED Headlights on Cab Roof	2
Rear Brake and Turn Signal Lights	2
Turn Signal Lights on Cab Sides	2

AXLES AND BRAKES

Heavy-duty front and rear axles designed for demanding operations. Four-wheel drive.

Tires (Front and Rear)	23,5 X 70 - 16PR
Working Pressure	1390 kPa / 56,5 PSI

Service brakes with dry discs, air-over-hydraulic actuation, and independent circuits for each axle (front and rear).
Dry disc parking brake mounted at the transmission output, manually operated by a lever in the operator's compartment.

COOLING SYSTEM

Radiator assembly positioned at the rear of the machine. Cooled by a high-capacity, belt-driven blower fan.
Engine hood with gull-wing access panels, allowing easy access for cleaning and maintenance of all components.

HYDRAULIC SYSTEM

Gear pump-driven hydraulic system.
Two-spool hydraulic control valve operated by a single joystick.
Hydrostatic steering with priority valve.

System Relief Pressure	160 bar
Steering Relief Pressure	140 bar
Maximum Flow Rate	120 ℓ/min à 2.400 rpm

PERFORMANCE

Standard Bucket	1,0 m³ (1,31j³)
Operating Load	1.500 kg
Articulated Tipping Load	3.000 kg
Articulation Angle	35°

OPERATOR'S COMPARTMENT

- Analog gauges for: Transmission oil temperature; engine coolant temperature; hour meter; transmission oil pressure; service brake air system pressure.
- Warning lights for: Work lights; engine coolant temperature; air filter restriction; parking brake; low service brake air system pressure; battery charging; preheating; low engine oil pressure; turn signals.
- Control switches for: Fan; windshield wiper; work lights; engine preheating.
- Forward/reverse selector lever.
- Gear selector lever (hydraulic).
- Range selector lever (reduction).
- Single joystick for bucket and boom control.
- Parking brake lever.
- Master switch.
- AM/FM radio.
- Fire extinguisher.
- Ignition key.
- Operator's seat with headrest and adjustable armrests.
- Air conditioning.

SERVICE CAPACITIES

Fuel Tank	68,0 ℓ
Engine Oil	10,0 ℓ
Cooling System	15,0 ℓ
Transmission	2,0 ℓ
Front Axle	6,0 ℓ
Rear Axle	6,0 ℓ
Brake System	0,35 ℓ
Hydraulic System	65,0 ℓ

GLOBAL STRENGHTH AND TRADITION

MICHIGAN reserves the right to implement design improvements and changes in specifications at any time, without incurring any obligation to install them on units previously sold. The specifications, descriptions, and illustrative materials contained herein accurately reflect the data known at the time of publication, but may vary by region and are subject to change without prior notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

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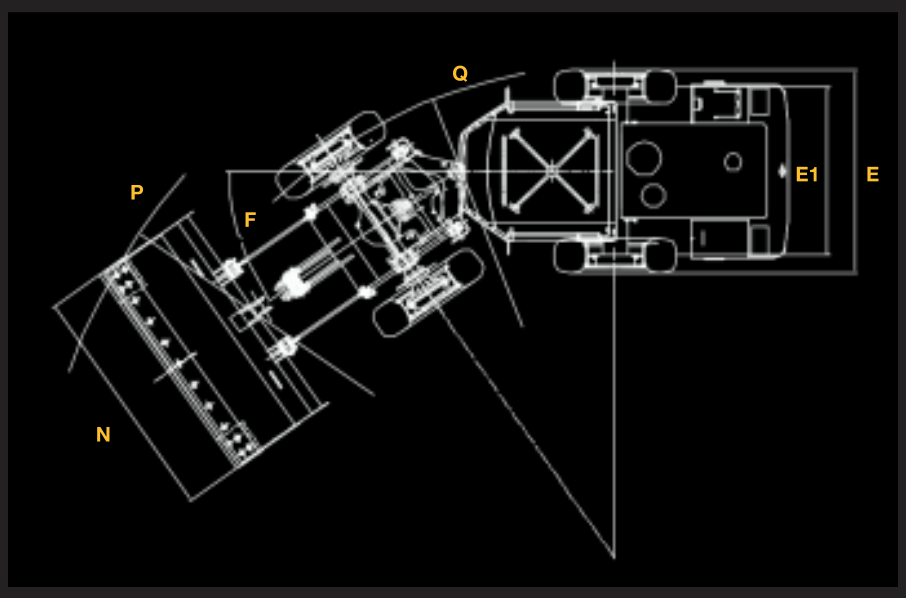
Versatility and ruggedness for any job!

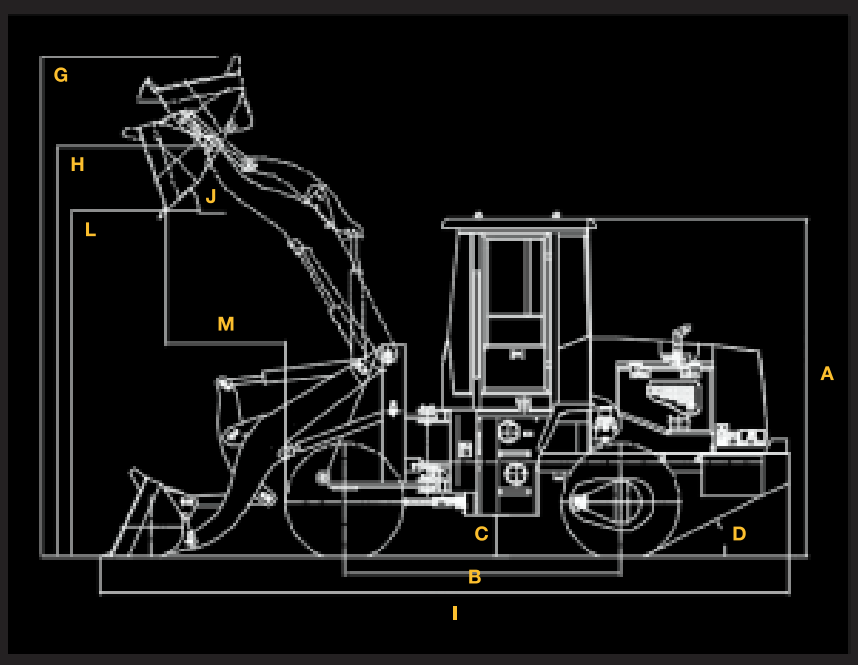
DIMENSIONS

Bucket type	Bucket with teeth
Bucket capacity	1,0 m³
A. Height to top of cab	2.730 mm
B. Wheelbase	2.250 mm
C. Ground clearance	270 mm
D. Departure angle	30°
E. Overall width without bucket	1.880 mm
E1. Track width	1.730 mm
F. Chassis articulation angle	35°
G. Operating height	4.580 mm
H. Height to hinge pin	3.760 mm
I. Overall length	5.582 mm
J. Dump angle - fully raised	45°
L. Dump height - bucket at 45°	3.130 mm
M. Dump reach - bucket at 45°	960 mm
N. Bucket width - external	2.090 mm
P. Turning radius - over bucket	4.850 mm
Q. Turning radius - over tires	3.100 mm



FRONT ATTACHMENTS:
Long arm with Z-bar linkage
1.0 m³ bucket with cutting edge and teeth
OPTIONAL: GPS system with telemetry





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