



OVERALL DATA

Bucket Capacity (m³)	0.5
Rated Payload (kg)	1200
Operating Weight (kg)	4350
Traction Force (kN)	31
Breakout Force (kN)	36
L×W×H (mm)	5376×1630×2600

Travel Speeds (km/h)

	I	II
Forward	8.3	20.8
Reverse	8.3	20.8

ENGINE

CHANGCHAI-490B

Rated Power (kW·hp/rpm)	38·(52)/2400
Rated Torque (Nm/rpm)	173/1800
Starting Voltage (V)	24

DRIVE TRAIN

Torque Converter	Single-stage, Single-turbine, 3-element
Torque Ratio	3.7
Transmission	Fixed Shaft Hydraulic Shift Spur Gear
Gear	2F/2R
Pressure of Transmission (MPa)	1.2-1.5
Main Reducer	Spiral Bevel Gear Single-stage Reduction
Final Reducer	Planetary Reduction
Tire	11.00-16

BRAKE SYSTEM

Service Brake	Air Drive, Four Wheel Brake (Dry)
Setting Pressure (MPa)	0.78
Parking & Emergency Brake	Flexible Shaft Controlled Caliper

STANDARD

OPTIONAL

Hydraulic Transmission	Light-duty Grapple (ZZ)
Dry Brake Drive Axle	
Standard Bucket	
Mechanical Flexible Shaft Control	

STEERING SYSTEM

Type	Hydraulic Load Sensor System
Cylinders-bore x Stroke (mm)	2-63×280
Steering Pump	Shared With Working Pump
System Pressure (MPa)	14
Steering Angle	±35°

HYDRAULIC SYSTEM

Lift Cylinders-bore x Stroke (mm)	2-80×610
Tilt Cylinder-bore x Stroke(mm)	1-100×450
Working Pump	Gear Pump
Flow Rate (L/min/rpm)	120/2400
System Pressure (MPa)	16
Hydraulic Cycle Time, Rated Load in Bucket (In Second)	

Raise (Loaded)	Dump	Lower (Empty)	Total
4.5	1.2	2.2	7.9

ELECTRICAL SYSTEM

System Voltage (V)	24
Battery (2 in Series) (Ah)	180
Lamp Voltage (V)	24

SERVICE REFILL CAPACITY

Fuel Tank (L)	80
Hydraulic Tank (L)	80
Transmission (L)	16
Front Axle (L) / Rear Axle (L)	8/8

LONKING

Efficiency Rules the Future

CDM812D WHEEL LOADER

Powerful CHANGCHAI Engine
Reliable Powertrain

Hydraulic Transmission & Torque Converter
Variety with Attachment
Convenient Maintenance



■ RATED POWER:	38kW/2400rpm
■ BUCKET CAPACITY:	0.5m³
■ RATED PAYLOAD:	1200kg
■ OPERATING WEIGHT:	4350kg

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Machines shown may not include optional accessories.