

LONKING

Efficiency Rules the Future

CDM816 WHEEL LOADER

YTO Engine
Shantui Transmission and Axle

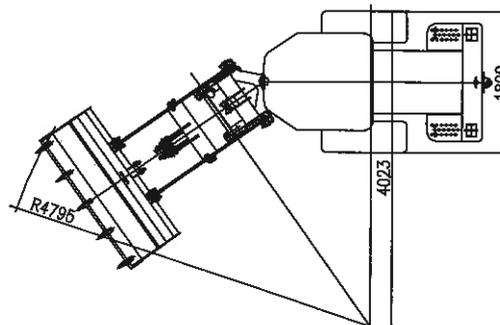
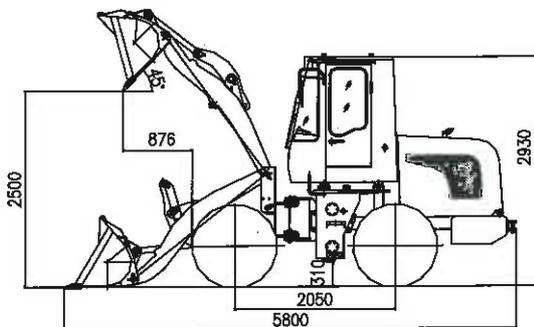


CDM

Load Right
Load More *Series*

**40,000 UNITS SOLD
WORLDWIDE IN 2010**

■ RATED POWER:	51.5kw/2400rpm
■ BUCKET CAPACITY:	0.85m ³
■ RATED PAYLOAD:	1600kg
■ OPERATING WEIGHT:	5300kg



Overall Data

Bucket Capacity (m ³)	0.85		
Rated Payload(kg)	1600		
Operating Weight(kg)	5300		
Traction Force(kN)	30		
Breakout Force(kN)	48		
Travel speeds (km/h):	I	II	
	Forward	0~7.4	0~20.8
	Reverse	0~7.2	0~20.4

Engine YTO YTR4105G88-1

Rated Power(kw/rpm)	51.5/2400	
Rated Torque(Nm/rpm)	235/1680	
Starting Voltage(V)	24	

Drive Train

Torque Converter	Single-stage, Single-turbine, 3-elements	
Torque Ratio	3.7	
Transmission	Fixed Shaft Hydraulic Shift Spur Gear	
Gear	2F/2R	
Pressure of Transmission(MPa)	1.1~1.5	
Main Reducer	Spiral bevel, 1-stage Reduction	
Final Reducer	Planetary Reduction	
Tire	16/70-20	

Brake System

Service Brake	Single Circuit Caliper/ Dry Brake	
Setting Pressure (MPa)	0.78	
Parking & Emergency Brake	Flexible Shaft Controlled Caliper	

Standard Optional

Shantui Transmission	Log Fork(J)
Shantui Axle	Coal Bucket (M)
Standard Bucket	Side Dump (C)

Steering System

Type	Hydraulic Load Sensing	
Cylinders-bore×Stroke(mm)	1-Φ80×310	
Steering Pump	Gear Pump	
System Pressure(MPa)	14	
Flowrate(L/min/RPM)	120/2400	
Steering Angle	±35°	

Hydraulic System

Lift Cylinders-bore×Stroke(mm)	2-Φ90×589	
Tilt Cylinder-bore×Stroke(mm)	1-Φ100×387	
Model of Implement Pump	Gear Pump	
Flowrate(L/min/RPM)	120/2400	
System Pressure(MPa)	16	

Hydraulic cycle time, rated load in bucket(in second):

Raise	Dump	Lower	Total
≤5.1	≤1.4	≤3.9	≤10.4

Electrical System

System Voltage(V)	24
Battery (2 in series)(Ah)	90
Lamp Voltage(V)	24

Service Refill Capacity

Fuel Tank(L)	120/05
Hydraulic Tank(L)	120/05
Crankshaft(L)	14
Transmission(L)	18
Front Axle(L) /Rear Axle(L)	8/8

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**For more information on Lonking CDM products,
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operational use and every use subject to prior notice.
Machines shown may not include optional accessories.