



LONKING

Efficiency Rules the Future

Overall Data

Bucket Capacity (m ³)	1.8		
Rated Payload(kg)	3500		
Operating Weight(kg)	11620±300		
Traction Force(kN)	97±3		
Breakout Force(kN)	100±3		
Travel speeds (km/h):			

	I	II	III
Forward	6.5	12.0	32.0
Reverse	6.8	12.5	33.5

Engine DF CUMMINS 6BT5.9-C130

Rated Power(kW/rpm)	97/2200		
Peak Torque(Nm/rpm)	560/1500		
Starting Voltage(V)	24		

Drive Train

Torque Converter	Single-stage, Single-turbine, 3-elements		
Torque Ratio	3.45		
Transmission	Countershaft Powershift Transmission		
Gear	3F/3R		
Pressure of Transmission(MPa)	1.2~1.5		
Main Reducer	Spiral bevel, 1-stage Reduction		
Final Reducer	Planetary Reduction		
Tire	17.5-25 L-3 12PR		

Brake System

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

Standard Optional

Lonking Transmission	Log Fork(J)
Lonking Axle	Coal Bucket (M)
Pilot Control	Quick Change(H)
Standard Bucket	
ROPS/FOPS	

Steering System

Type	Hydraulic Load Sensing		
Cylinders-Bore×Stroke(mm)	2-80×315		
Steering Pump	Gear Pump		
System Pressure(MPa)	14		
Flow Rate(L/min/rpm)	88/2200		
Steering Angle	±35°		

Hydraulic System

Lift Cylinders-Bore×Stroke(mm)	2-125×784		
Tilt Cylinder-Bore×Stroke(mm)	1-140×553		
Model of Working Pump	Gear Pump		
Flow Rate(L/min/rpm)	176/2200		
System Pressure(MPa)	16		
Pilot Control System Pressure(MPa)	2.5		
Hydraulic Cycle Time, Rated Load In Bucket(In Second):			

Raise(Loaded)	Dump	Lower(Empty)	Total
5.5	1.3	3.7	10.5

Electrical System

System Voltage(V)	24		
Battery (2 in series)(Ah)	105		
Lamp Voltage(V)	24		

Service Refill Capacity

Fuel Tank(L)	200		
Hydraulic Tank(L)	200		
Crankshaft(L)	16.3		
Transmission(L)	36		
Front Axle(L) /Rear Axle(L)	13/13		

Air Conditioning System

Heating Capacity(W)	5800 (±10%)		
Cooling Capacity(W)	4500 (±10%)		



CDM835E WHEEL LOADER

Powerful DF Cummins Engine
Pilot Control System
Automatic Leveling
ROPS/FOPS Cabin with Panoramic View
Convenient Maintenance

CDM
Load Right
Load More *Series*
**40,000 UNITS SOLD
WORLDWIDE IN 2010**

■ RATED POWER:	97kw/2200rpm
■ BUCKET CAPACITY:	1.8m ³
■ RATED PAYLOAD:	3500kg
■ OPERATING WEIGHT:	11620kg

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