



**Lonking**  
Efficiency Rules the Future

**Overall Data**

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

	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
<b>Tire</b>	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	High Dump (G)
Standard Bucket	Quick Change(H)

**ROPS/FOPS**

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**Steering System**

Type	Hydraulic Load Sensing
Cylinders-Bore×Stroke(mm)	2-80×315
Steering Pump	Gear Pump
System Pressure(MPa)	14
Flowrate(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 Implement Pump	Gear Pump
Flowrate(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):	

<b>Raise(Loaded)</b>	<b>Dump</b>	<b>Lower(Empty)</b>	<b>Total</b>
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%)

For more information on Lonking CDM products, please visit [www.lonking.cn](http://www.lonking.cn)



**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*  
**30,000 UNITS SOLD  
WORLDWIDE IN 2008**

- **RATED POWER:** 97kw/2200rpm
- **BUCKET CAPACITY:** 1.8m<sup>3</sup>
- **RATED PAYLOAD:** 3500kg
- **OPERATING WEIGHT:** 11620kg

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