

## Wheel Loader



### Model: CDM843

The rated payload of CDM843 wheel loader is 4 tons, and the rated bucket capacity is 2.3m<sup>3</sup>. As a medium size wheel loader, this engineering machine (or construction machine) is used widely by our customers worldwide. In order to meet the requirements of overseas market, the new model adopts higher configuration, improved design, and better product performance and cost performance. CDM843 wheel loader is suitable for mine, water conservancy work site, infrastructural construction project, cargo loading/unloading field, road construction work site, etc.

We manufacture 4 ton wheel loader.

### Features of CDM843 Wheel Loader:

1. Pilot hydraulic control system is adopted
2. Bucket of CDM843 wheel loader can be automatically leveled and lift kick-out is equipped
3. Air conditioning and heating system provide better operation environment
4. Strong power, front/rear frames are optimized for better accessibility for service
5. Two-pump combined flow hydraulic system ensures energy-saving and easier operation.
6. Hydraulic load-sensing steering system is easier for making turning
7. Anti-abrasion integral cutting edge with teeth and adapters prolong the life of bucket.

### Specifications of CDM843 Wheel Loader:

Bucket capacity(m <sup>3</sup> )	2.3
Rated payload(kg)	4000
Lifting time of arm(s)	≤5.5

Total hydraulic cycle time(s)	≤11
Transportation dimensions	
Length×width×height(mm)	7070×2800×3280
Max. dumping height(mm)	2900
Dumping reach(mm)	1110
Max. turning angle(°)	±35
Operating weight (kg)	13000

### Engine of Wheel Loader CDM843

Model	TD226B-6G
Type	Vertical, water-cooled, 4-stroke, direct injection
Rated power (Kw)/RPM(rpm)	120/2200
Max. torque(N.m)/RPM(rpm)	600/1500
Nominal fuel consumption(g/kw·h)	≤210
Total displacement (L)	6.24
Fuel	light diesel oil

### Torque converter and transmission system

#### Torque converter

Type	Single stage four-element (duo-turbine)
Torque conversion coefficient Ko	4.0
Cooling type	Oil cooled and pressurized circulation
Torque converter inlet pressure (Mpa)	0.40-0.55
Torque converter outlet pressure (Mpa)	0.35-0.45

#### Transmission

Type	Planetary type with hydraulic shifting
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### Axle & Tyre

#### Axle

Final drive type	Spiral bevel gear one stage reduction
Speed reduction ratio	5.286:1
Wheel hub reduction	
Model	Spur gear planet drive
Speed reduction ratio	4.4:1
Tyre specifications	20.5-25-16PR

### Brake system of Wheel Loader CDM843

Service brake type	Air boosted disc brakes on four wheels
Parking brake type	Flexible shaft controlled disc brake
Emergency brake	2 in 1 system with parking brake
Brake pressure(Mpa)	0.78

### Implement hydraulic system

Displacement of Implement pump (ml/r)	50
System working pressure(Mpa)	16
Implement valve model	Duplex slide rod(DF32)
Oil tank capacity	
Fuel tank capacity	180L
Hydraulic oil tank capacity	205L

**Steering system**

Type	Full hydraulic load steering system
Displacement of steering pump	63
System working pressure(Mpa)	16
Min. turning radius	
Outside of bucket(mm)	6435
Tire center(mm)	5420

**A/C System**

Refrigerating capacity	4500w
Heating capacity	5800w

**Note:**The specification is subject to change for the modification without notice.