

Wheel Loader

**Model: CDM833**

The rated payload of CDM833 wheel loader is 3 tons, and the rated bucket capacity is 1.7m³. As a medium size wheel loader, this construction machine is suitable for mine, water conservancy construction site, infrastructural construction, material loading/unloading field, road construction site and other work sites. Appearance of the wheel loader is compact and nice. Good cost performance will help you create more fortune.

We manufacture 3 ton wheel loader.

Features of Wheel Loader CDM833:

1. Hydraulic steering system, convenient and easy steering
2. Frame style chassis structure, simple in structure and easy in maintenance
3. Air conditioning and heating system provide better operation environment
4. Front and rear frame use long span connecting structure to reduce the stress in hitch pin
5. Anti-abrasion integral cutting edge with teeth and adapters, prolong the life of bucket.
6. Long wheelbase and centrally symmetrical structure make the front and rear tracks of CDM833 wheel loader superposed on each other for extending the life of tire.
7. Max. dumping clearance is 2900mm, which can meet the loading demand of heavy truck.
8. Optional implements: High dump, Coal bucket, Log fork, Quick disconnect.

Specifications of CDM833 Wheel Loader:

Operating weight (kg)	10300
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Transportation dimension Length×width×height(mm)	6950×2500×3120
Wheelbase(mm)	2850
Tread width(mm)	1850
Rated payload(kg)	3000
Bucket capacity(m ³)	1.7
Max. breakout force(KN)	≥101
Max. dumping height(mm)	2900
Dumping reach(mm)	1069
Lifting time of arm(s)	≤6.0
Total hydraulic cycle time(s)	≤10.5
Max. turning angle(°)	35

Engine of Wheel Loader

Model	TD226B-6G
Type	Vertical, water-cooled, 4-stroke, direct injection
Rated power(Kw)/RPM(rpm)	92/2200
Max. torque(N.m)/RPM(rpm)	860/1400~1600
Nominal fuel consumption(g/kw·h)	210
Total displacement (L)	6.234
Working pressure of air compressor(Mpa)	0.78
Oil tank capacity	
Hydraulic oil tank capacity	140
Fuel tank capacity(L)	140

Torque converter and transmission system

Hydraulic torque converter

Type	single-stage, single-phase, three-element
Torque conversion coefficient Ko	3.6
Cooling type	water-cooled
Torque converter inlet pressure (Mpa)	0.50~0.65
Torque converter outlet pressure (Mpa)	0.25~0.30

Transmission

Type	Fixed shaft, power shift, spur gear, constant mesh
Gears	three speeds forward, three speeds reverse, flexible shaft type, hydraulic shifting
Travel speed (km/h)	
forward	0~0.65
forward	0~12.0

III forward	0~32.0
reverse	0~6.8
II reverse	0~12.5
III reverse	0~33.5

Axle and tire

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	3.882:1
Tire specifications	17.5-25 12PR

Brake system

Service brake type	Single loop disc brake on four wheels
Parking brake type	Flexible shaft control disc type
Emergency brake	Compose with parking brake as two-in-one system
Brake pressure(Mpa)	0.65~0.78

Implement hydraulic system

Displacement (L/min)	80
System working pressure(Mpa)	15.7

Steering system

Type	Full hydraulic steering system
Structure type	Series connect with implement pump
System working pressure(Mpa)	14
Min. turning radius	
Outside of bucket(mm)	5600
Tire center(mm)	4865

A/ C System

Refrigerating capacity (w)	4500
Heating capacity (w)	5800

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