

Wheel Loader

**Model: CDM856**

The rated payload of CDM856 wheel loader is 5 tons, and the rated bucket capacity is 3.0 m³. CDM856 wheel loader is one of the highly configured wheel loaders of such size. The long wheelbase and centrally symmetrical structure enable it gain better stability. As an engineering vehicle, this wheel loader is widely used in the fields like mining, water conservancy project, infrastructural construction, road construction, etc.

We are 5 ton wheel loader manufacturer and supplier in China.

Features of CDM856 Wheel Loader:

1. Long wheelbase improves the stability and increases tip load.
2. Pilot control and joystick makes the operation easier.
3. Deluxe and spacious cab provide better room for operator.
4. Duo-pipe caliper brake system provide better safety.
5. Electronic monitoring system indicates fault for early troubleshooting.
6. Centralized lubricating system of this wheel loader ensures better lubrication than manual greasing.
7. Air conditioning and heating system provide better environment for operator.
8. Optional attachments: Coal bucket, High dump, Rock bucket.

Specifications of CDM856 Wheel Loader:

Operating weight (kg)	17000
Transportation dimensions	
Length×width×height (mm)	8050×3000×3590
Wheelbase (mm)	3230
Tread width (mm)	2240
Rated payload (kg)	5000
Bucket capacity (m ³)	3.0

Max. rimpull (kN)	160
Max. breakout force (kN)	170
Max. dumping clearance (mm)	3103
Reach at Max. dumping height (mm)	1210
Max. lifting time(s)	6.0
Total hydraulic cycle time(s)	11
Max. turning angle(°)	35

Diesel Engine of CDM856 Wheel Loader

Model	Weichai WD615G.220
Type	In-line, water-cooled 4-stroke, direct injection
Rated power(kW)/RPM(rpm)	162/2200
Max. torque(N·m)/RPM(rpm)	860/1400~1600
Min. fuel consumption(g/kW·h)	215
Total displacement (L)	9.726
Starter motor voltage(V)	24
Fuel tank capacity(L)	235

Transmission and torque converter

Hydraulic torque converter

Type	Single stage, four element (dual turbine)
Torque ratio K0	4.2
Cooling type	pressurized circulation of oil-cooling
Inlet pressure of torque converter MPa	0.3~0.45
Outlet pressure of torque converter MPa	0.1~0.20

Transmission of CDM856 Wheel Loader

Type	Electro-hydraulic shift planetary
Travel speed (km/h)	
Forward	11.5
Forward	36
Reverse	16

Axle and Tyre

Axle	
Final drive type	Spiral bevel gear one stage reduction
Speed reduction ratio	4.625:1
Hub reduction	
Type	Spur gear planet drive
Speed reduction ratio	4.4:1
Tire specifications	23.5- 25 16 PR

Brake system

Service brake type	Dual pipe disc brake on four wheels with air over oil
Parking brake type	Air controlled disc brake
Emergency brake	Combined with parking brake
Brake pressure.(MPa)	0.7~0.78

Implement hydraulic system

Flowrate of implement pump/ pilot pump (L/min)	220/22
Pilot valve model	DXS-00
System working pressure (MPa)	16

Steering system

Model	Load sensing hydraulic steering system
System working pressure (MPa)	16
Min. turning radius	
Outside of bucket (mm)	6796
Outline of machine (mm)	6128
Oil tank capacity	
Fuel tank capacity	235L
Hydraulic oil tank capacity	220L

A/C System

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

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