

Wheel Loader

**Model: CDM816B**

The rated payload of CDM816B wheel loader is 1.6 tons. This foundation engineering equipment is suitable to work in such jobsites as farm, park, urban planting, house maintenance, wastes stockpile and so on for loading the loose material, transporting in short distance, digging, leveling, earthmoving and towing.

We manufacture 1.6 ton wheel loader.

Features of Wheel Loader CDM816B:

1. Long wheelbase for better stability in traveling.
2. Reasonable match between engine and torque converter ensures stable performance
3. Spring suspended cab makes operation easier
4. New streamline shape of CDM816B wheel loader, nice style and wide visibility.
5. Articulated frames provide smaller turning radius in narrow jobsite
6. Single pump distributing system is with simple structure and energy-saving
7. Optional attachments: pitchfork, log fork, side dump bucket.

Specifications of Wheel Loader CDM816B:

Bucket capacity(m ³)	0.85
Rated payload(kg)	1600
Lifting time of arm(s)	≤5
Total hydraulic cycle time(s)	≤10
Transportation dimension	
Length×width×height(mm)	5800×2020×2930
Max. breakout force(KN)	48

Max. dumping height(mm)	2500
Dumping reach(mm)	876
Operating weight (kg)	5300

Engine of Wheel Loader

Model	ZH4100G57
Type	Vertical, water-cooled, 4-stroke, direct
Injection	
Rated power(Kw)/RPM(rpm)	45/2200
Max. torque(N.m)/RPM(rpm)	206/1680
Nominal fuel consumption(g/kw·h)	256
Total displacement (L)	3.61
Fuel	light diesel oil

Torque converter and transmission system

Torque converter

Type	Single stage, single-phase, three-element
Torque conversion coefficient Ko	3.7
Cooling type	water—cooled
Torque converter inlet pressure (Mpa)	0.60~0.65
Torque converter outlet pressure (Mpa)	0.20~0.30

Transmission

Type	Fixed shaft, hydraulic shifting, spur gear, constant mesh
Gears	Two speeds forward and two speeds reverse, fixed shaft type, electric-hydraulic shifting
Speed ratio	
Forward	7.4
Forward	20.8
Reverse	7.2
Reverse	20.4

Axle & TyreAxle

Final drive type	Spiral bevel gear one stage reduction
Speed reduction ratio	5.833: 1
Wheel hub reduction	
Model	Spur gear planet drive
Speed reduction ratio	4.4:1
Tyre specifications	16/70-20

Brake system

Service brake type	Air boosted disc brakes on four wheels
Parking brake type	Flexible shaft controlled disc type
Emergency brake	Combine with parking brake system
Brake pressure(Mpa)	0.65~0.78

Implement hydraulic system

Displacement of Implement pump (L/min)	50
System working pressure(Mpa)	16

Steering system

Type	Full hydraulic steering system
Structure model	Series connect with implement pump
System working pressure(Mpa)	14
Min. turning radius	
Outside of bucket(mm)	5030
Tire center(mm)	4350
Oil tank capacity	
Fuel tank capacity	120L
Hydraulic oil tank capacity	120L

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