

Wheel Loader

**Model: CDM835**

The rated payload of CDM835 wheel loader is 3.5 tons, and the rated bucket capacity is 1.8m³. It is a kind of medium size foundation engineering equipment. Transmission and control system CDM833 wheel loader are improved so that the operation is easier.

We manufacture 3.5 ton wheel loader.

Features of CDM835 Wheel Loader:

1. Electro-hydraulically controlled transmission with automatic shift and pilot control for implement hydraulic system are adopted
2. Hydraulic steering system makes the turning easier
3. Frames are simple in structure and easy in maintenance
4. Air conditioning and heating system of this wheel loader provide better operation environment
5. Front and rear frames use long span connecting structure for reducing the stress in hitch pin
6. Anti-abrasion integral cutting edge with teeth and adapters, prolong the life of bucket.
7. Long wheelbase and centrally symmetrical structure make the front and rear tracks superposed on each other for extending the life of tire.
8. Optional implements: High dump, Coal bucket.

Specifications of CDM835 Wheel Loader:

Bucket capacity(m ³)	1.8
Rated payload(kg)	3500

Lifting time of arm(s)	≤6.0
Total hydraulic cycle time(s)	≤11.0
Transportation dimension	
Length×width×height(mm)	7180×2600×3120
Max. breakout force(KN)	≥111
Max. dumping height(mm)	2890
Dumping reach(mm)	1083
Max. turning angle(°)	±35
Operating weight (kg)	11300

Engine of Wheel Loader CDM835

Model	TD226B-6G
Type	Vertical, water-cooled, 4-stroke, direct injection
Rated power (Kw)/RPM(rpm)	98/2200
Max. torque(N.m)/RPM(rpm)	525/1500
Nominal fuel consumption(g/kw·h)	210
Total displacement(L)	6.234
Fuel	light diesel oil

Torque converter and transmission system

Torque converter

Type	Single-stage, single-phase, three-element
Torque conversion coefficient Ko	3.5
Cooling type	Oil cooled and pressurized
Torque converter inlet pressure (Mpa)	0.60
Torque converter outlet pressure (Mpa)	0.18

Transmission of Wheel Loader CDM835

Type	Fixed shaft, power shift, spur gear, constant mesh
Gears	Three speeds forward, three speeds reverse, fixed shaft type, electro-hydraulic shifting
Travel speed(km/h)	
Forward	0 ~ 6.5
Forward	0 ~ 12.0
Forward	0 ~ 38.0
Reverse	0 ~ 6.8
Reverse	0 ~ 12.5
Reverse	0 ~ 33.5

Axle and tire

Axle

Final drive type	Spiral bevel gear one stage reduction
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Speed reduction ratio	5.286:1
Wheel hub reduction	
Model	Spur gear planet drive
Speed reduction ratio	3.882: 1
Tyre specifications	17.5-25 12PR

Brake system

Service brake type	Double loop disc brake on four wheels
Parking brake type	Flexible shaft controlled disc brake
Emergency brake	Manual control air-fluid brake
Brake pressure(Mpa)	0.78

Implement hydraulic system

Displacement of Implement pump (ml/r)	80
System working pressure(Mpa)	15.7
Pilot valve	DXS-00
Oil supply valve	WYF-65

Steering system of Wheel Loader CDM835

Type	Hydraulic assist steering
Structure type	Series connect with implement pump
System working pressure(Mpa)	14
Min. turning radius	
Outside of bucket(mm)	6338
Tire center(mm)	5445
Oil Tank Capacity	
Fuel tank capacity(L)	140
Hydraulic oil tank capacity	140
A/C System	
Refrigerating capacity(w)	4500
Heating capacity(w)	5800

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