

Wheel Loader



Model: CDM855

The rated payload of CDM855 wheel loader is 5 tons, and the rated bucket capacity is 3.0 m³. It is a big size wheel loader with long wheelbase, centrally symmetrical structure and good lateral stability. CDM855 wheel loader is a sort of engineering machine suitable for earth moving, digging and towing in the fields like mining, water conservancy project, infrastructural construction, etc.

We supply 1.0 ton wheel loader.

Features of CDM855 Wheel Loader:

1. Long wheelbase chassis improves stability and increases the tip load
2. Front and rear tracks superpose on each other for extending the life of tire.
3. Heavy load driving system of this wheel loader: assures long-time working under intensive operating condition.
4. Air conditioning and heating system provide better operation environment.
5. Spring suspended and well-sealed cabin has good effect of sound insulation and wide visibility.
6. Anti-abrasion integral cutting edge with teeth and adapters, prolong the life of bucket.
7. Optional implements: Coal bucket, High dump, Rock bucket, Log fork, Side dump.

Specifications of CDM855 Wheel Loader:

Operating weight(kg)	16600
Length×width×height (mm)	7900×3000×3400
Rated payload(kg)	5000
Bucket capacity(m ³)	3.0
Max. rimpull(kN)	≥170

Max. dumping height (mm)	3103
Dumping reach (mm)	1210
Lifting time of lift arm(s)	≤6.0
Total hydraulic cycle time (s)	≤11

Diesel Engine of CDM855 Wheel Loader

Model	Weichai WD615G.220
Type	Vertical, water-cooled, 4-strokes, 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

Transmission and Torque converter

Hydraulic torque converter of CDM855 Wheel Loader

Type	Single stage, four elements duo-turbine
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

Type	Planetary, hydraulic shift
Travel speed	
Forward	0-11.5 km/h
Forward	0-36 km/h
Reverse	0-16 km/h

Axle and Tyre

Axle	
Final drive type	Spiral bevel gear one stage reduction
Speed reduction ratio	5.2857:1
Hub reduction	
Type	Spur gear planetary drive
Speed reduction ratio	4.4:1
Tyre specifications	23.5-25-16PR

Brake system of CDM855 Wheel Loader

Service brake type	Disc brake on four wheels with air over oil
Parking braking and emergency brake type	Manual control dry disc brake
Air pressure for brake (MPa)	0.7-0.78

Implement hydraulic system

Flowrate of implement pump (ml/r)	100
System operating pressure (MPa)	16

Steering system

Type	Load-sensing hydraulic steering system
System operating pressure (MPa)	16
Min. Turning radius	
Outside of bucket (mm)	7175
Tire center (mm)	6242
Oil Tank Capacity	
Fuel tank capacity (L)	235
Hydraulic oil tank capacity (L)	220
A/C System	
Refrigerating capacity (w)	4500
Heating capacity (w)	5800

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