

Wheel Loader



Model: CDM855E

The rated payload of CDM855E wheel loader is 5 tons, and the rated bucket capacity is 3.0 m³. As a big size engineering machine, this wheel loader features long wheelbase, centrally symmetrical structure and good stability. CDM855E wheel loader is suitable for earth moving, digging and towing in the fields like mining, water conservancy project, infrastructural construction, road construction, etc.

We manufacture 5 ton wheel loader.

Features of CDM855E Wheel Loader:

1. Air boosted parking brake for better safety.
2. Pilot control is used in implement hydraulic system.
3. Long wheelbase chassis of this wheel loader improves the stability and increases tip load.
4. Air conditioning and heating system provide better operation environment.
5. Spring suspended and well sealed cab provide sound insulation and wide visibility.
6. Anti-abrasion integral cutting edge with teeth and adapters, prolong the life of bucket.
7. Optional attachments: Coal bucket, High dump, Rock bucket, Log fork, Side dump.

Specifications of CDM855E Wheel Loader:

Bucket capacity(m ³)	3.0
Rated payload(kg)	5000
Lifting time of arm(s)	≤6.0
Total hydraulic cycle time(s)	≤11
Transportation dimension	
Length×width×height(mm)	7900×3000×34000
Max. breakout force(KN)	≥170
Max. dumping height(mm)	3103
Dumping reach(mm)	1210

Max. turning angle(°)	±35
Operating weight (kg)	16800

Engine of CDM855E Wheel Loader

Model	WD615G.220
Type	Vertical, water-cooled, 4-stroke, direct injection
Rated power (Kw)/RPM(rpm)	162/2200
Max. torque(N.m)/RPM(rpm)	860/1400~1600
Nominal fuel consumption(g/kw·h)	215
Total displacement (L)	9.726
Fuel	light diesel oil

Torque converter and transmission system

Torque converter

Type	Single stage four-element (duo-turbine)
Torque conversion coefficient Ko	4.0
Cooling type	Oil cooled and pressurized circulation
Torque converter inlet pressure (Mpa)	0.3-0.45
Torque converter outlet pressure (Mpa)	0.1-0.2

Transmission

Type	Planetary type with hydraulic shifting
Travel speed(km/h)	
Forward	0~11.5
Forward	0~36
Reverse	0~16

Axle and Tyre

Axle

Final drive type	Spiral bevel gear one stage reduction
Speed reduction ratio	5.2857:1
Wheel hub reduction	
Model	Spur gear planet drive
Speed reduction ratio	4.4:1
Tyre specifications	23.5-25-16PR

Implement and Pilot Control Hydraulic System

Implement pump/pilot pump model	CBGJ2100/CBGj1010
Displacement of Implement pump (ml/r)	100
System working pressure(Mpa)	16
Implement valve model	D32 Hydraulic multiple valve
Pilot valve	DXS-00
Oil supply valve	WYF-65

Steering System of CDM855E Wheel Loader

Type	Hydraulic assist steering
Steering pump model	CBGJ2080
Displacement of steering pump (ml/r)	80
System working pressure(Mpa)	16

Steering gear model	BZZ1-E1000C
Min. turning radius	
Outside of bucket(mm)	7161
Tire center(mm)	6240

Brake System

Service brake type	Air booster disc brakes on four wheels
Parking brake type	Air over hydraulic and disc type
Brake pressure(Mpa)	0.7~0.78

A/C System

Model	GK15-5.0E1
Refrigerating capacity	4500w
Heating capacity	5800w

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