

# MASTER Backhoe Loader

Rated Power : 70kW @ 2200rpm    Operating Weight : 7500 Kg.



- Advanced design of oscillation axle makes bigger steering & oscillation angle.
- Drive axle with differential lock functions better traction force.
- Rear axle with free-maintenance wet-type brake ensures safety and reliable.
- Unique design for adjustable operation and reasonable layout make operator easy and comfortable.
- Wide eyeshot full closed ROPS&FOPS cabin with front and rear water wipers, defroster battery 12V, alternator 95A and A/C.
- Special chassis adopted advanced structure workmanship making has better durability, high stability.



# MASTER Backhoe Loader Main Specification



## Engine

Brand ..... MASTER  
 Type..... 4 Cylinders 4 stroke , water cooling  
 Rated Power ..... 70kW(93Hp)  
 Rated Speed ..... 2200 rpm  
 Displacement ..... 4700 cc.



## Steering System

The hydraulic power steering wheels are controlled by load sensing priority valve steering system.. 4400mm(4WD)/3940mm(2WD)

Min. turning radius at the outer of front wheel... 4400mm(4WD)  
 /3940mm(2WD)



## Transmission System

Torque converter

(km/h)Traveling speed (at rated engine rpm)

I II III IV

Forward(km/h) 5.8 10.5 20.1 40.2

Reverse(km/h) 7.0 12.6 24.3 48.6



## Loader Performance

Rated bucket capacity ..... 1m<sup>3</sup>  
 Max. pivot bucket height ..... 3300 mm  
 Max. dumping reach ..... 726mm  
 Max. breakout force ..... >40kN



## Brakes

Oil immersed disc brakes are actuated by individual braking on each side rear wheel with two separate pedals. Integral brake on rear wheel is actuated by operating the two pedals at the same time.

Parking brake: flexible shaft control mechanical applied axle shaft braking.



## Backhoe Performance

Rated hoe bucket capacity..... 0.3m<sup>3</sup>  
 Rated bucket width ..... 800mm  
 Max. digging depth ..... 4338mm  
 Max. digging force ..... 50 ± 10%kN  
 Max. digging radius..... 5481mm  
 Max. dumping height ..... 3737mm  
 Max outrigger width ..... 3300 mm



## Tyre

Foretiresize.....11L-16F3-12PR(2WD)/12-16.5NHS-10PR(4WD)  
 Rear tire size.....Rear tire size 19.5L-24R4-12PR



## Front and Rear Axles

Adopted imported well-known brand axles, Heavy duty axles with planetary reduction gears in the wheel hubs. Front axle total oscillation angle is 22°. Differential lock in the rear axle controlled by electro-hydraulic system with a switch on loader lever

Min. ground clearance.....275mm(4WD)/355mm(2WD)

Max. gradient capacity..... 30%

Wheel base ..... 2100mm



## Refill Capacity

Fuel tank ..... 151L  
 Crank case .....11L  
 Transmission ..... 18.5L  
 Rear axle .....17L  
 Front axle .....8L  
 Hydraulic system ..... 110L



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