

# MASTER Backhoe Loader



- 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 break 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, deforster battery 12V, alternator 95A and A/C.
- Hydraulic gear pump flow rate 90L / min pressure 125 bar
- Operating Weight 7000 Kg.



## ● Engine

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

## ● Hydraulic Steering System

The front power steering wheels are controlled by load sensing priority valve steering system	4400mm(4WD) / (2WD)
Min. turning radius at the outer of front wheel	4400mm(4WD)

## ● 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	3300mm
Max. dumping height	2600mm
Rated bucket width	2050mm
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	0.15m <sup>3</sup>
Rated bucket width	600mm
Max. digging depth.	4338mm
Max. digging force	50 ±10%kN
Max. digging radius	5481mm
Max. dumping height	3737mm
Max outrigger width	3300mm
Arm movement	Left/Right

## ● 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

## ● Industry tyre

Front tire size	14-17.5NHS-10PR(4WD)
Rear tire size	Rear tire size 19.5L-24R4-12PR

## ● Refill Capacity

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

\*Temperature gauge \*Engine oil pressure and battery charging light  
\*Fuel level gauge \*Hour meter



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