

Backhoe Loader

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638W-T Backhoe loader

This versatile machine integrates digging and loading capabilities, with a rated bucket capacity of 1m³ (loading) and 0.3m³ (digging). Maximum digging depth reaches 3.96m, and the maximum radius 5.79m, easily handling earthmoving, material transport, and site leveling.

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Main Features

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Front and rear four-speed design with a top speed of 36km/h, combined with a 2280mm wheelbase and wide tyres (front 14-17.5-16PR/rear 19.5L-24-14PR), ensures stable travel across challenging terrain and efficient relocation.

Equipped with Weichai WP4G100E220 high-efficiency engine, rated 73kW, max torque 420N·m, delivering high output with low fuel consumption, meeting National II emission standards. CARRARO transmission with torque converter provides smooth shifting and strong traction (≥67KN), ensuring durability and reliability.

130L large-capacity hydraulic oil tank supports continuous operation; maximum unloading height of 2.72m and distance of 900mm allow precise and controlled operations, improving efficiency. Cab height 3100mm provides a wide field of vision with ergonomically designed controls. Paired with a rotating suspension seat, operators can work comfortably over long hours.



Main Specifications

Overall Dimension		
1	Length(with bucket on ground)	7600mm
2	Overallwidth(at stabilizer)	2230mm
3	Load Bucket width	2220mm
4	Height(To the top of the cab)	3100mm
5	Height(To the top of the digging pole)	3800 mm
6	Wheel base	2280mm
7	Back wheel Tread	1750 mm
I Main Loading Technical Specification		
1	Rated load	2500KG
2	Operating weight	7820kg
3	Rated bucket capacity	1m³
4	Max. dump clearance	2720 mm
5	Dump reach	900 mm
6	Min.turning radius	
	(1)Outside of bucket	5410mm
	(2) Center of front wheel	4100mm
7	Maxlifting capability	2500KG
8	Max. load breakout force	≥45KN
Main Digging Technical Specification		
1	Rated digging bucket capacity	0.3m³
2	Max.digging depth	3967/3424mm
3	Max.digging radius	5796/5955 mm
4	Max.dumping height	3813/3780 mm
5	Max.digging force	≥44KN
6	Max. Digging Height	5346/5449 mm
Diesel engine		
1	Model	WeiChai WP4G100E220
2	Type	Direct injection. Turbocharged. Water cooling
3	Rated output	73 (kW)
5	Total exhaust of cylinder	4.5(L)
9	Rated speed	2200(r/min)
10	Max. Torque	420(N.M)
Transmission System		
1	Torque Converter	Model
		Coolingtype

2	Transmission case	Model	CARRARO
		Type	Synchromesh mechanical shift
3	Axle and Tire	Model	CARRARO
		Type of main reducer	spiral bevel gear, single stage
		Type of final reducer	Single stage planetary
4	Gearshift position		4 F, 4 R
5	Speed		36km/h
6	Max.drawing force		≥67KN
7	Size of tire		14-17.5-16PR
			19.5L-24-14PR
Oil Capacity			
1	Fuel(diesel)		130 L
2	Engine lubricating oil		11 L
3	Oilfor converter and gear box		22 L
4	Oilfor hydraulic system		130 L
5	Oil for driving axles(F/ R)		7.6 L+17 L

Standard Configurations

