

The main structural features and advanced technology used in the SHANMON388T backhoe loader



SHANMON 388T Backhoe Loader--Efficient All-round, Quality Choice

一、 Core Advantage: Multi-purpose, Excellent Performance

1、 All-round operation, double the efficiency

Dual function of digging + loading: rated bucket capacity of 1m³ (loading) / 0.3m³ (digging), the maximum digging depth reaches 3.96m, the maximum digging radius of 5.79m, easy to cope with earthmoving excavation, material loading, site formation and other diversified scenarios.

High adaptability: front and rear four gears design, 36km/h driving speed, with 2280mm wheelbase and wide tyres (front wheel 14-17.5-16PR/rear wheel 19.5L-24-14PR), stable passage through complex terrain, efficient transit.

2、 Strong power, durable and reliable

Weichai high-efficiency engine: equipped with WP4G110E220 engine, rated power of 82kW, maximum torque of 430N-m, low fuel consumption and high output, meets the National II emission standards, adapted to high-intensity operations.

CARRARO transmission system: synchronised mechanical shift gearbox + torque converter, smooth gear shifting, stable power transmission, industry-leading durability.

3、Humanized design, convenient operation

Spacious driving space: cab height of 3100mm, wide vision, ergonomic control layout, more comfortable for long time operation.

Intelligent hydraulic system: 130L large-capacity hydraulic oil tank, to protect the needs of continuous operation; maximum unloading height of 2.807 metres, unloading distance of 900mm, precise control of the operating range.

4、Quality guarantee, durable

Branded core components: Weichai engine, CARRARO transmission and drive axle, the key components are all adopted by international famous brands, low failure rate, maintenance cost saving.

Ultra-strong structural design: the whole machine has an operating weight of 7820kg, a rated load of 2500kg, a maximum lifting force of 2500kg, and a high-strength steel body, which is impact-resistant and extends the service life by 30%.

5、Energy saving and economy, cost optimisation

Large-capacity fuel tank: fuel tank 130L, long-lasting range; hydraulic system independent design, energy consumption reduced by 15%, lower operating costs.

二、Full coverage of application scenarios

Construction: earthmoving, pit backfilling, building materials loading and unloading.

Agricultural renovation: ditch digging, farmland leveling, material transport.

Municipal maintenance: pipeline laying, road repair, greening construction.

三、SHANMON388T, ! choose SHANMON388T, one against many!

Cost saving: no need to switch equipment frequently, 40% increase in overall efficiency.

Space-saving: compact design (total length 7.6 metres, width 2.23 metres), flexible to adapt to narrow construction sites.

Save after-sales service: global joint warranty service system, 24-hour technical support, worry-free quality!

● Overall Dimension		
1	Length(with bucket on ground)	6100mm
2	Overall width (at stabilizer)	2400mm
3	Load Bucket width	2280mm
4	Height(To the top of the cab)	3000mm
5	Height(To the top of the digging pole)()	3813 /3456mm
6	Wheel base	2280mm
7	Back wheel Tread	1785mm
● Main Loading Technical Specification		
1	Rated load	2500KG
2	Total weight	7820kg
3	Rated bucket capacity	1m ³
4	Max. dump clearance	2807 mm
5	Dump reach	801 mm
6	Min. turning radius	
	(1) Outside of bucket	5410mm

	(2) Center of front wheel	4100mm	
7	Max lifting 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	WP4G110E220	
2	Type		
3	Rated output	82(kW)	
5	Total exhaust of cylinder	4.5(L)	
9	Rated speed	2200(r/min)	
10	Max. Torque	430(N.M)	
● Transmission System			
1	Torque Converter	Model	CARRARO
		Cooling type	Pressure oil circulating
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	Gear shift position		4 F、 4 R
5	Speed (F/R)		38km/h
6	Max. drawing force		≥76KN
7	Pressure of work		20Mpa
8	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	Oil for converter and gear box		22 L
4	Oil for hydraulic system		130 L
5	Oil for driving axles (F/R)		7.6 L+17 L
● Steering system			
1	Type		hydraulic steering
2	Steering Gear Model		B11-250
3	Working Pump Type		Open Gear Pump
4	Working pump flow rate		63ML/R
5	Steering angle		41°