

## The main structural characteristics of XT876 and the advanced technology

XT876 backhoe loader is a new model developed by Xugong special Construction Machinery Co., Ltd. It adopts QSB4.5T Cummins engines produced by the United States, emission standard reaches Europe III; transmission system of torque converter is CARRARO made in Italy, four speed synchronous gear box, both two and four-wheel drive, wet brake bridge. Integrated frame with front bridge steering. H-type outrigger with digging device moving from left to right makes digging range much larger.

### More specifications of XT876

item		parameter	Complementary
digger capacity, m <sup>3</sup>		0.20	
bucket capacity, m <sup>3</sup>		0.7	
bucket rising capacity, kN		≥20	
working weight, kg		9000	
wheel base, mm		2200	
tread, mm	front wheel	1885	
	back wheel	1730	
min. fro earth distance, mm		330	
Backhoe rotary angle, (°)	left	90	
	right	90	
overall length, mm		7438	
max. width of the body, mm		2310	
overall height of the body, mm		3105	with cab
loader width , mm		2280	
rear axle to rotating center distance, mm		1400	
b ac kh oe	max. digging radius, mm	5400	
	max. dumping clearance, mm	3639	
	max. digging depth, mm	4100	

working parameter	radius at max. dumping height, mm		1480	
	max. turning angle of the bucket, (°)		164	
load working parameter	dumping height, mm		2825	when discharging
	dumping reach, mm		727	when discharging
	hinging pin height when transporting, mm		400	
	hinging pin with highest lift, mm		3583	
	bucket collection angle	transport position, (°)	46	
		ground position, (°)	41	
	discharge angle, (°)		45	
turning radius, mm		4428		
item		parameter	Complementary	
Rear overhang length, mm		3200		
tail from earth, mm		515		
departure angle, (°)		21		
max. traction force, kN		41		
max. climbing ability, (°)		17		
tipping load, kN		80		
max. breakout force, kN		42		
max. digging force, kN		≥40		
action time of	lift time with rated load, s		≤4.7	
	drop time with empty load, s		≤2.5	

loading device	bucket forward, s	≤2.0	
multi-way valve	type		
	characteristic		
	set pressure, MPa	21	
engine	type	QSB4.5T	
	manufacturer	US Cummins	
	rated power, kW	82	
	rated speed, r/min	2200	
hydraulic system	system working pressure, MPa	21	
	Pump producer	Italy CASAPPA	
tire pressure, MPa	front axle	0.55	
	rear axle	0.24	
item	parameter		Complementary
hand break type	flexible shaft manipulated/spring brake hydraulic release		
traveling speed  km/h	I forward speed	5.8	
	II forward speed	10.5	
	III forward speed	20.1	
	IV forward speed	40.2	
	I back speed	7.0	
	II back speed	12.6	
	III back speed	24.3	
	IV back speed	48.6	
steering system	system working pressure, MPa	16	
	pump manufacturer	Italy CASAPPA	

# **Nanjing Construction Machinery Co.,Ltd.**

**Address: 1708 Room 6# Building 399 Zhongyang Road Gulou District,Nanjing,  
Jiangsu Province of China.**

**Tel: 0086-25-83179757/83179767**

**Fax: 0086-25-83179787**

**E-mail: sales@truckcrane.com.cn  
san.sen@truckcrane.com.cn  
service@truckcrane.com.cn**

**Http: //www.truckcrane.com.cn**