

HELI

ZL50E

WHEEL LOADER

China Well-known Trademark

- ◆ Low fuel-consuming, high-quality Turbo Charge Engine has good power performance and big torque reserve, high efficient cooling system, with lower thermal balance temperature;
- ◆ Pins and sleeve on attachment are sealed with dust-proof, to guarantee the quality of lubrication, the hardness of the pins and shaft sleeves is more hardened, lessen lubrication frequency, extend the service life.
- ◆ Middle hinge joint with two tapered roller bearing in each connection and box-type frame provide good machine stability and stronger structural strength, with long life;
- ◆ The single-phase, 4 elements hydraulic torque converter can make a good use of an engine and enlarge torque to make a larger tractive force. With a planetary transmission of ZL50, it is compact, higher transmission and speed and longer in service life.
- ◆ 21MPa high working device hydraulic system, small-displacement system (energy conservation), with lower thermal balance temperature, with a high reliability of the system.
- ◆ Flow Amplifying Steering system provides flexible steering operation. The fluid joints are well-known brands in the world. The pipe lines have long durability.
- ◆ Oscillatory rear axle accord with the trend of international development, with a high ability of uphill, and has a high reliability. With air over hydraulic disc brake on 4 wheels ensure drive safely and brake smoothly.
- ◆ The luxury cab designed ergonomically ensures excellent visibility.
- ◆ Water-proof and dust-proof electrical components, world-famous maintenance-free batteries have a long service life.

Rated Power (kw): 162 (217hp)

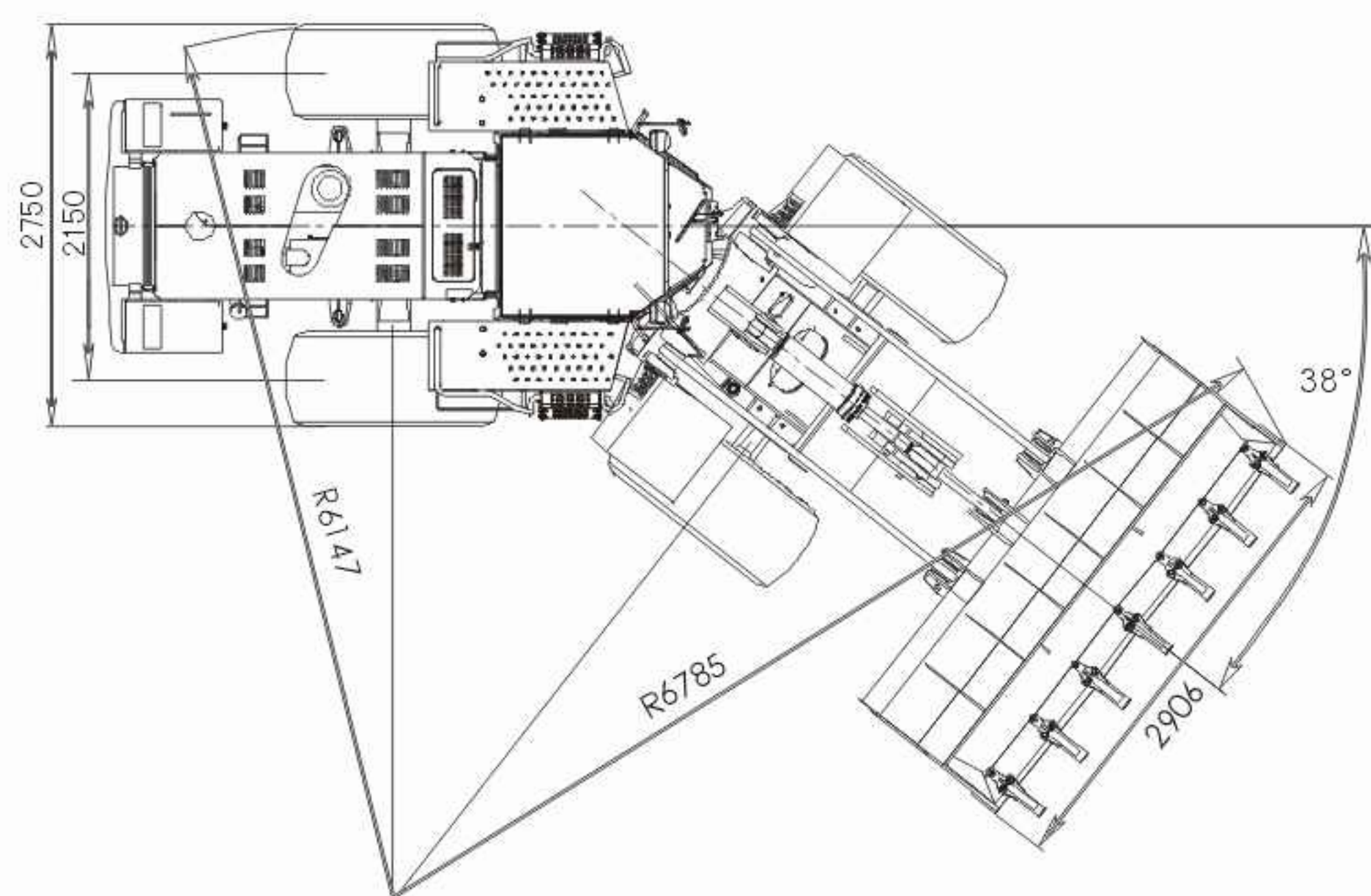
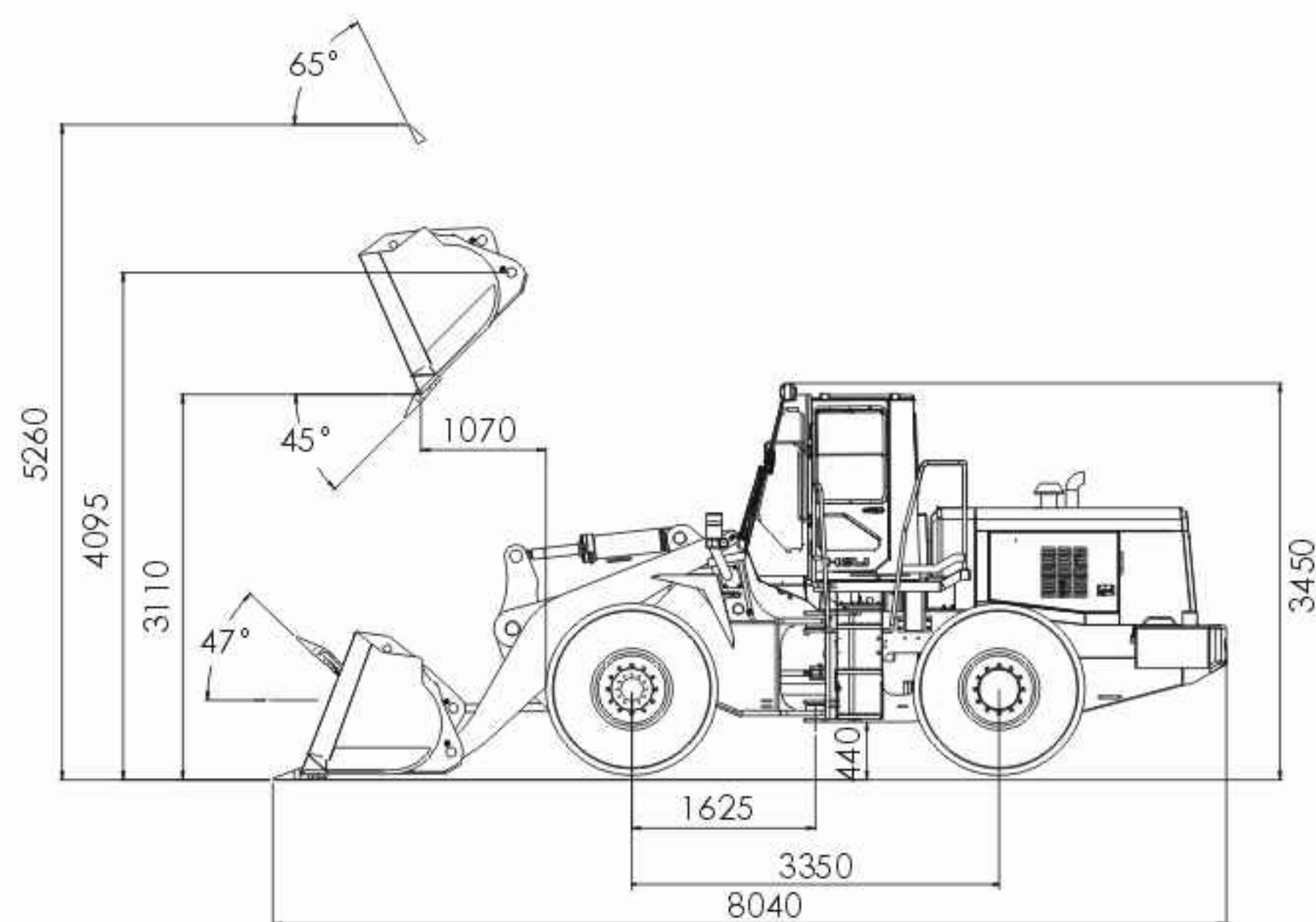
Operating Weight(kg):16500

Rated Load(kg):5000



ANHUI HELI CO., LTD.

ZL50E Wheel Loader



ZL50E Wheel Loader technique parameters:

General parameters	Rated load (kg)	5000		Steering system	Type	Full hydraulic power with flow amplified system	
	Rated bucket capacity (m ³)	3			Model	Gear pump	
	Max.breakout force (kN)	164			Maximum flow	176L@2200rpm	
	Max.traction force (kN)	156			Steering angle	38°	
	Operating weight (kg)	16500			Modulated pressure	16Mpa	
	Gradeability (°)	30			Brake system	Service brakes	Air-hydraulic actuated brake on four wheels
	Dump clearance at full lift and 45° discharge(mm)	3110				Parking brakes	Shoe-brake applied by manual/air control
	Dump reach at full lift and 45° discharge(mm)	1070				Emergency brakes	Using parking brake , the brake with automatically or manual apply
Travel speeds	Forward (km/h)	Gear1	Gear2	Hydraulic System	Type	Push pull flexible shaft	
		0~11.5	0~40		Model	Gear pump	
Reverse (km/h)	0~16		Maximum flow		308L@2200rpm		
			Modulated pressure		20Mpa		
Engine	Model	Weichai WD615 .220			Hydraulic Cycle Time(s)		
	Rated power (kW)	162kW(217hp)@2200 rpm			Raise time	Total cycle time	
	Rated torque (Nm/rpm)	855/1300 ~ 1500			≤6.5	≤11.2	
	Starting(V)	24			Engineer lubrication(L)	20	
Transmission device	Torque converter	Type	Double turbine	Torque converter /Transmission gear(L)	45		
		Torque coefficient	4.0	Front/rear axle(L)	A piece 34		
Drive axle	Main reducer	Spiral bevel, 1-stage reduction		Hydraulic oil tank(L)	210		
	Final reducer	Planetary reduction		Fuel tank(L)	280		
Tire standard		23.5-25-16PR					

Specifications and design are subject to change without prior notice.

Machines shown may include optional equipment.

Engine Option: Shangchai C6121 and CUMMINS 6CTA8.3-C215(made in China).