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# CONSTRUCTION MACHINERY



鼎联国际集团

UNIONLEVER INTERNATIONAL GROUP



## ZL12 WHEEL LOADER

### Performance

Rate load: 1200(kg)  
Bucket capacity: 0.6(m<sup>3</sup>)  
Wheel Distance: 1400(mm)  
Axle-base: 2005(mm)  
Loader clearance radius: 4500(mm)  
Min Base to the ground: 260(mm)  
Dump clearanle: 2650(mm)  
Time of Raise: 4(s)  
Hydraulic cycle time: 8.5(s)  
Drive Means: Four Drive  
Operating weight: 3100(kg)  
Overall dimensions : (Length\*width\*height)4800\*1730\*2720(mm)



### Engine

Engine Model: CHANGCHAI 4L68  
Engine Rated power: 37(kw)  
Engine Rated output: 2200(rpm)

## ZL16F WHEEL LOADER

### Performance

Rated loading: 1600kg  
Overall weight: 4800kg  
Rated bucket capacity: 0.9m<sup>3</sup>

### Engine

Model: Wei chai ZH4100G14-3  
Type: Vertical, in-line, water cooled,  
4-stroke diesel engine  
No. of cylinder-bore/stroke: 4—100×125mm  
Rated power: 45kw—2200r/min

### Transmission system

Maximum speed: 24km/h



# WHEEL LOADER ZL30F



## Feature

1. Reasonable driving system, big traction force, perfect axle and transmission distribution and good working performance.
2. The bucket has auto-leveling function. The sum of lifting, falling and unloading time is priority than GB standard.
3. Reliable spare parts, reasonable layout and powerful engine to make sure the high efficiency working performance and powerful digging capacity.
4. This machine is equipped with hydraulic torque converter and power shift transmission, which makes machine easy operation.
5. Hydraulic-pneumatic activated brake system which make sure the braking is safety and reliable.
6. Full sealing steel structure cab, with air conditioner, make sure the safety and comfort drive with nice field.

## Performance Parameters of Entire Machine

1. Capacity of bucket: 1.7m<sup>3</sup>
2. Loading weight: 3000kg
3. Lifting time of bucket: 5.9s
4. Maximum climbing gradient: 25%
5. Articulation steering angle: +380/-380
6. 1st speed: 6.05km/h  
2nd speed: 11.76km/h  
Third speed: 20.34km/h  
Fourth speed: 36.2km/h  
Turning radius  
(Outer side of rear wheels): 5110mm  
Drawing force: 100KN  
Maximum loading and unloading height: 2850mm  
Unloading distance at max unloading height: 950mm  
Max unloading angle of bucket at max unloading height: 45°

## Overall dimensions

Length: 6780mm      Width: 2360mm  
Height: 3200mm      Axle-base: 2700mm  
Wheel-base: 1800mm

## Engine:

Model: CUMMINS6BT5.9 / WEI CHAI  
Maximum output: 93kw  
Revolution at maximum horsepower: 2200r/min  
Maximum torque: 430Nm  
Revolution at maximum torque: (1400-1600)r/min

## Weight:

Total weight: 10000kg

## Wheel:

Specification of tyre: 17.5-25



## WHEEL LOADER ZL50F

### Feature:

1. Torque converter with double Turbines.
2. Hydraulic steering and articulating frame.
3. Clear and wide-vision cab, “French Green” colour glass to inhibit ultra-Violet light and make the operator more comfortable.
4. Advanced structure and convenient for maintenance and repairing; all performance parameters have reached world's advanced level.
5. Cold & warm air-conditioner with environmental protection are for use's option.
6. To apply priority unload in hydraulic system to save energy.
7. To apply movable console to operate conveniently.

### Performance Parameters of Entire Machine

1. Capacity of bucket: 3m<sup>3</sup>
2. Loading weight: 5000kg
3. Lifting time of bucket: 6.6s
4. Maximum climbing gradient: 30%
5. Articulation steering angle: +400/-400
6. 1st speed: 12km/h  
2nd speed: 34km/h  
Reverse gear: 17km/h  
Turning radius(Outer side of bucket tip): 6680mm  
Drawing force: 155KN  
Max tractive force: 120KN  
Maximum loading and unloading height  
(Unloading angle45°): 3050mm  
Unloading distance at max unloading height: 1240mm

### Overall dimensions

Length: 7960mm      Width: 3060mm  
Height: 3530mm      Axle-base: 3300mm  
Wheel-base: 2200mm

### Engine

Model: CUMMINS 6CTA8.3- C215 / SHANGCHAI C6121  
Maximum output: 215HP 160KW  
Revolution at maximum horsepower: 2200/2200r/min  
Maximum torque: 872Nm 900NM

### Weight

Total weight: 16500kg

### Wheel

Specification of type: 23.5-25

## ZL20F Wheel loader

### Performance

rated loading: 2000kg  
overall weight: 5700kg

### Engine

model: Wei chai R4105G57  
type: Vertical, in-line, water cooled,  
4-stroke diesel engine  
No. of cylinder-bore/stroke: 4—105×125mm  
rated power: 55kw—2200r/min

### Transmission system

maximum speed: 24km/h

### Tyre

type specification: 16/70—20



## ZL60F Wheel loader

### Performance

rated bucket capacity: 3.3m<sup>3</sup>  
rated load: 6000kg  
overall operating weight: 19400kg

### Engine

Engine: CUMMINS/ WEICHAJ  
Type: in-line, water cooled, 4-stroke, direct-injection  
Rated power: 176KW

### Transmission

Forward speeds: 42km/h

### Tires type

Specifications: 23.5-25 20PR(L3)

### working hydraulic system

Type: Gear pump  
Working pump: CBGj3125 DOUBLE -PUMP interflow  
Working pressure: 160kgf/cm<sup>2</sup>



## WZY30-25 BACKHOE LOADER



### Performance

Total operating weight: 7600Kg  
Loading bucket capacity : 0.96m<sup>3</sup>  
Loading lift capacity: 36.43KN

### Engine

Model: CUMMINS 4BT4.5-C99/WEICHAH R4105  
Cylinder – internal diameter\*stroke: 4 – 105x125mm  
Rated power: 55KW

### Steering system

Type: articulated hydraulic steering  
System pressure: 20Mpa



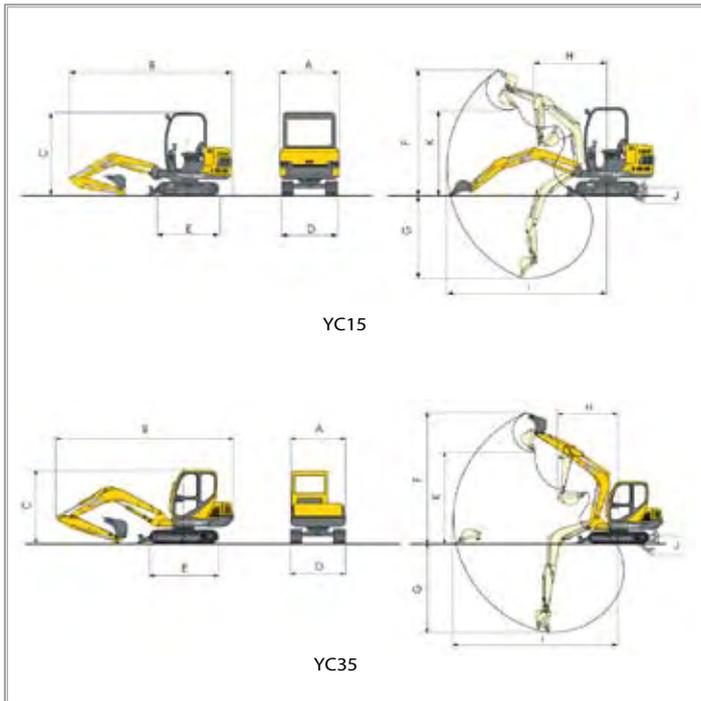


## SKID STEER LOADER

Model	Jc45 skid steer loader	Jc60(h) skid steer loader
<b>Engine</b>		
Manufacturer	Chinese xinchai	Perkins mitsubishi japan
Gross horsepower, hp (kw)	50 (37)	63 (46)
Net horsepower, hp (kw)	47 (35)	60 (44)
Rated rpm	2500	2600
#Cylinders	4	4
Displacement, cuin(l)	2.91L	3.331L
Fuel capacity, gal (l)	50L	60L
<b>Hydraulic pump</b>		
System pressure, psi (kpa)	21000Kpa	25000Kpa
<b>Drive train</b>		
Standard tire size	10.0/75-15.3	12-16.5Nhs
Operating weight, Standard lb (kg)	2600	3000

# CONSTRUCTION MACHINERY

## YC15 / YC35



		YC15	YC35	
<b>DIMENSIONS</b>	Width of Platform	A	1014mm	1494mm
	Maximun length of Transportation	B	3607mm	5250mm
	Machine Height	C	2195mm	2478mm
	Overall width	D	1080mm	2465mm
	Length of crawler	E	1625mm	1625mm
<b>TECHNICAL PERFORMANCE AND SPECIFICATION</b>	Power (Perkins/Kubota/Chinese Engine)		14.7Kw/14Kw/14.2Kw/2200rpm	32Kw/2200rpm
	Machine Weight		1500kgs(canopy)/1600kgs(cabin)	3700kgs
	Volume of Backhoe		0.04-0.07m <sup>3</sup>	0.1-0.12m <sup>3</sup>
	Hydraulic System Working Pressure		16Mpa	21Mpa
	Changeable Flowrate Pump			2x44L/min
	Constant Flowrate Pump		2x17.6+6.6L/min	13.2L/min
	Maximun Digging Force		10.5KN	22.19KN
	Gradeability		58%(30o)	58% (30°)
	Pressure to the Ground		27kpa(canopy)/29kpa(cabin)	31 kpa
	Walking Speed		2Km/h	2.4-4.3Km/h
	Maximun Hauling Force		11.6KN	27KN
	Swing Speed of Platform		10.12rpm	14.6rpm
Swing Angularity of the digging Arm		L40° /45° /R68° /48°	L80° /R50°	
<b>RANGE OF OPERATION</b>	Max digging height	F	2940mm	5209mm
	Maximum Digging Depth	G	1860mm	3530mm
	Maximum Platform Tail Turning Radius	H	1180mm	1510mm
	Maximum Digging Radius	I	3490mm	5590mm
	Maximum Depth for Buldozing	J	137mm	457mm
	Maximum Dumping Height	K	2013mm	3689mm

# 907B

### Main Specifications:

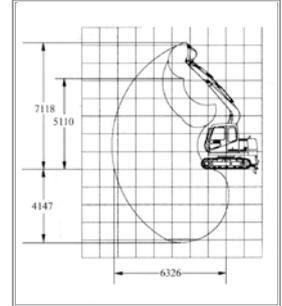
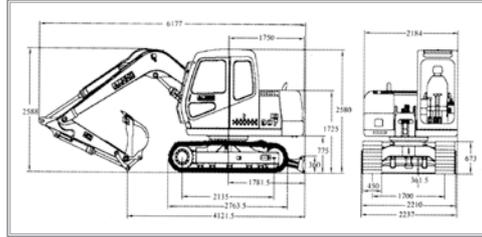
Operating Weight ----- 7.1T  
 Stick ----- 1.65m  
 Standard Bucket ----- 0.32 m<sup>3</sup>  
 Blade ----- 0.36m×2.21m  
 Width of track shoes ----- 450mm

### Engine:

Model----- CUMMINS B3.3  
 Type----- 4 cylinders, in line  
 Breath ----- Normal  
 Displacement ----- 3.3L  
 Rated Power ----- 45KW(60hp)/2200r/min  
 Throttle Control ----- Electric control  
 Fuel tank ----- 175 L  
 Starter ----- 12V/2.2KW

### Working Scope:

Digging force of bucket cylinder ----- 53.6KN  
 Digging force of stick cylinder ----- 39.9KN  
 Digging width of bucket ----- 820mm



# 913E

### Main Specifications:

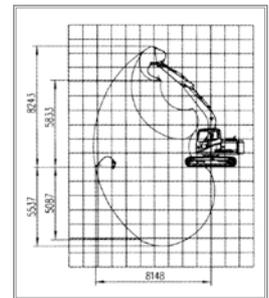
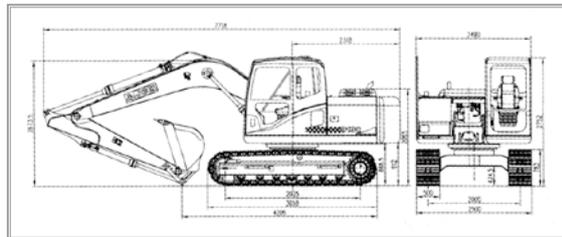
Operation weight ----- 12.8T  
 Standard stick ----- 2.5m  
 Standard bucket volume ----- 0.65m<sup>3</sup>  
 Blade (Optional) ----- 0.59\* 2.49M

### Engine:

Model ----- CUMMINS 4BT3.9 (TIER II)  
 Rated power ----- 86kw /2200rpm  
 Breath ----- turbo-charged, air cooled.  
 Quantity of cylinder ----- 4  
 Displacement ----- 3.9L  
 Starter ----- 24V/4.5kw  
 Throttle control ----- hand/electric control

### Working Scope:

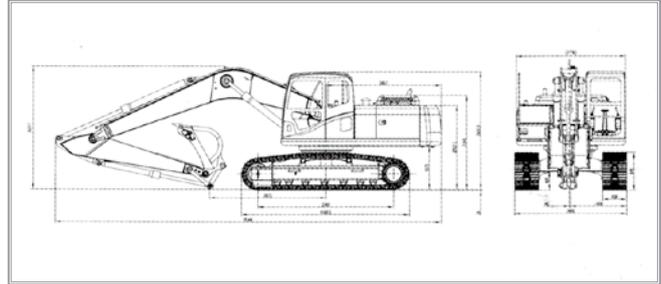
Digging force of bucket cylinder --- 82.3KN  
 Digging force of stick cylinder ----- 62.1KN  
 Digging width of bucket ----- 960mm



## 921C

### Features:

1. The imported CUMMINS engine provides a powerful horsepower, and the maintenance is convenient.
2. Imported hydraulic parts, negative low & electric control, high priority, flux regeneration.
3. The new type full punching cabin is greatly punch-proof.
4. Applying the three-dimensional and finite analysis to the working device and the frame & under carriage makes sure of the high reliability.
5. Passed EU saft certification.

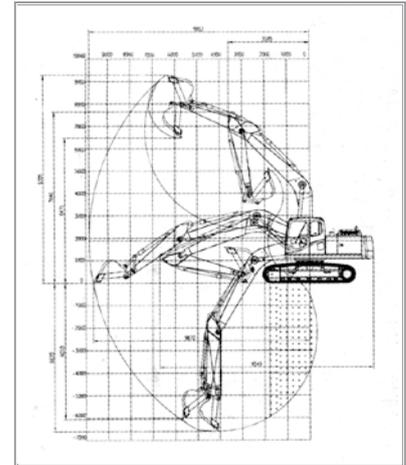


### Main Specifications:

Operating weight ----- 20.5 T  
 Standard stick ----- 2.92m  
 Standard bucket volume ----- 0.9m<sup>3</sup>

### Engine:

Model ----- CUMMINS 6B-5.9(TIER 2)  
 Type ----- 6 cylinders, in line  
 Breath ----- Turbo-charged, intergraded cooled  
 Qty of cylinder ----- 6  
 Rated Power ----- 112KW(150hp)/1950r/min  
 Cooling ----- Water cooled  
 Air filter ----- Dry air filter  
 Throttle Control ----- Electric control  
 Main valve ----- Imported from Korea  
 Main pump ----- Imported from Korea  
 Hydraulic operating valve ----- Korea  
 Traveling motor and Reducer ----- Imported from Korea



### Working Scope:

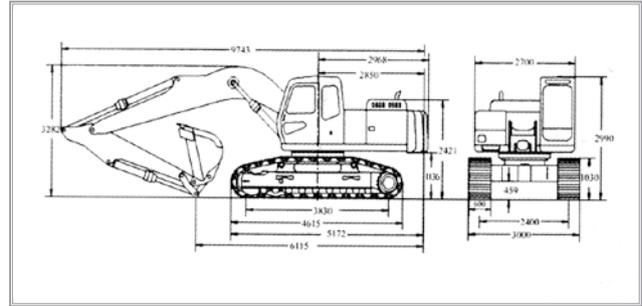
Digging force of bucket cylinder ----- 115KN  
 Digging force of stick cylinder ----- 92.5KN  
 Digging width of bucket ----- 1190mm



# 923C

## Features:

1. The imported CUMMINS B series engines, a large horsepower, stable ability, high efficiency, low oil consumption noise and emission.
2. Large cabin, adjustable seat, air conditioner and advanced guiding control system. The imported hydraulic parts, negative flow & electric control and the functions of boom confluence & diffuence, swing priority have made the digging more efficient.
3. Imported hydraulic system and cylinders.
4. Multifunctional monitor, four working modes, two ways to control the throttle: hand and electric.



## Main specifications:

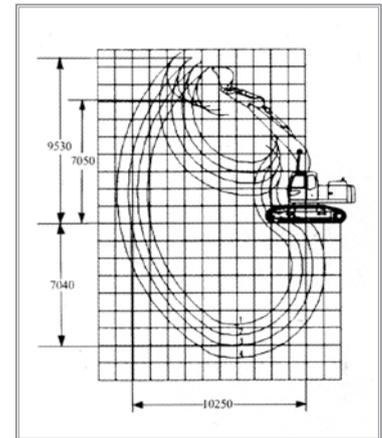
Operating weight ----- 24.5T  
 Standard stick ----- 3.0M  
 Standard Bucket Volume ----- 1.1M<sup>3</sup>

## Engine:

Model ----- CUMMINS 6BTA5.9 (tier 2)  
 Type ----- 6 cylinders, in line  
 Breath --- turbo-charged and inter-grade cooled  
 Rated power ----- 133kW (178hp) 2,000rpm  
 Throttle control ----- electric control  
 Fuel tank ----- 360L  
 Starter ----- 24V/5.5kW

## Working Scope:

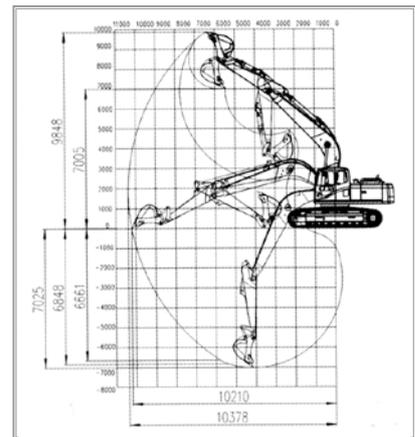
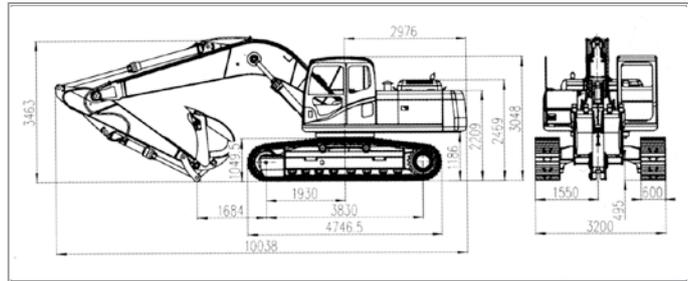
Digging force of bucket cylinder ----- 140KN  
 Digging force of stick cylinder ----- 95KN  
 Digging width of bucket ----- 1294mm



## 927F

### Features:

1. The imported CUMMINS engine according with EU III standard emission, provide a powerful horsepower, and the maintenance is convenient.
2. Imported hydraulic parts, negative flow & electric control, high efficiency with the functions of boom confluence, flux regeneration.
3. The new type full-punching cabin is greatly punch-proof, support with damping vibration pad, absorb vibration effectively. It is comfortable when you work.
4. Applying the three-dimensional and finite analysis to the working device and the frame & under carriage makes sure of the high reliability.
5. It is equipped with the electrical control system of the 4th generation and GPS. It has many functions such as data transmission, long-distance diagnosis, long-distance monitoring etc.



### Main Specifications:

Operation weight ----- 27.2T  
 Standard stick ----- 3.0m  
 Standard bucket volume ----- 1.35m<sup>3</sup>

### Engine:

Model ----- CUMMINS QSB6.7 (tier 3)  
 Rated power ----- 142kw /2200rpm  
 Breath ----- turbo-charged, air cooled  
 Cooling; water cooled  
 Throttle control ----- electric control  
 Qty of cylinder ----- 6  
 Displacement ----- 6.7L  
 Fuel tank ----- 360L  
 Starter ----- 24V/7.5KW

### Working Scope:

Digging force of bucket cylinder ----- 139KN  
 Digging force of stick cylinder ----- 122KN  
 Digging width of bucket ----- 1324mm



# 450LC-8



Type			450LC-8
Rated bucket capacity		m <sup>3</sup>	1.9
Operating weight		kg	44800
Dimension (In transportation)	Overall length	mm	11576
	Overall width	mm	3350
	Overall height	mm	3800
	Min. ground clearance	mm	526
	Track shoe width	mm	600
Engine	Model		ISUZU AA-6WG1T
	Rated output	Hp (kW)	320 (235.4)
	Rated speed	r/min	1800
	Displacement	L	15.681
	Fuel tank	L	650

# 330LC-8



Type			330LC-8
Rated bucket capacity		m <sup>3</sup>	1.45
Operating weight		kg	33100
Dimension (In transportation)	Overall length	mm	10698
	Overall width	mm	3200
	Overall height	mm	3083
	Min. ground clearance	mm	500
	Track shoe width	mm	600
Engine	Model		ISUZU AA-6HKIXQA-S
	Rated output	Hp (kW)	185.4
	Rated speed	r/min	2000

## Other Machineries Can be Supplied



**Multi-function Asphalt Paver**



**Motor Grader**



**Vibratory Roller**



**Bulldozer**



**Forklift**



**Pneumatic Roller**

