

# ZL48GV

## WHEEL LOADER



<b>ENGINE POWER</b>	- 230 hp
<b>PAYLOAD CAPACITY</b>	- 5000 kg
<b>OPERATING WEIGHT</b>	- 17300 kg
<b>BUCKET RANGE</b>	- 3.0 - 5.0 cu.m

# ZL48GV

## WHEEL LOADER



### POWERFUL PERFORMANCE

- ◆ Powerful 230 HP Weichai Engine (CEV Stage IV)
- ◆ High Torque of 1000 Nm for Maximum Productivity
- ◆ Extreme Breakout Force for Best Fill Factor

### IMPECCABLE POWER

- ◆ 10% more Payload for high Productivity
- ◆ Wide Range of Buckets for all your Job needs
- ◆ Carry Heavy Loads with Ease

### EASE OF MAINTENANCE

- ◆ Large Opening angle of side doors for Max Reach to Maintenance Points
- ◆ Fast Daily Maintenance Saves Time

### INTELLIGENT HYDRAULICS

- ◆ Renowned Hydraulic Components for Long Life
- ◆ Smart Hydraulics ensures Energy Saving
- ◆ Fast and Efficient Cycle time

### PREMIUM OPERATOR CABIN

- ◆ Spacious and Plush cabin with 360 Degree Visibility
- ◆ Ergonomically designed Operator seat for best comfort
- ◆ HVAC cabin suitable for Comfortable Working in Hot Conditions
- ◆ ROPS/FOPS\* ensure Operator Safety

# SPECIFICATION

# ZL48GV

## ENGINE

Tier	CEV Stage IV
Make	Weichai
Model	WP7G234E501
Type	Single line, vertical, four-stroke
Rated power	230 HP
Rated speed	2150 r/min
Max. torque	1000 N.m
Speed	1400 r/min

## TRANSMISSION

### TORQUE CONVERTER

Model	YJSW315-6BL
Cyclic diameter	315 mm
Conversion coefficient	K=4.0±5%
Cooling method	Oil cooling-pressure circulating type
Oil inlet pressure	0.45~0.55 MPa
Oil outlet pressure	0.25~0.34 MPa

### GEARBOX

Gear number	2 forward and 1 reverse
Transmission ratio - Forward I / Reverse I	2.547/1.864
Transmission ratio - Forward II / Reverse II	0.6 83
Working pressure of transmission pump	1.5 MPa
Working pressure of transmission pump	1171/min/2200r/min

### FRONT AND REAR AXLE

Main reducer - Type	Spiral gear-one stage deceleration
Main reducer - Speed ratio	4.625
Hub reducer - Type	One stage-planetary deceleration
Hub reducer - Speed ratio	4.94
Connection type of front axle	Rigid connection with chassis
Connection type of rear axle	Swing

## HYDRAULIC SYSTEM

Displacement of oil pump	100 ml/r
System pressure	18.0 MPa
Pilot valve	CRV-02
Selecting valve	SF8
Boom cylinder	Ø160×840 mm
Tilt cylinder	Ø180×585 mm

## STEERING SYSTEM

Type	Articulation, flow magnifying type, hydraulic steering
Displacement of oil pump	80 ml/r
System pressure	16 MPa
Steering cylinder	Ø 100 mm×375 mm
Flow magnifying valve	ZLF25A1
Steering limit valve	VLE-150
Maximum steering angle	35 °

## TYRE

Tyre Size	23.5-25
Inflating pressure	Fore tyre: 0.38-0.40 MPa Rear tyre: 0.32-0.34 MPa

## BRAKING SYSTEM

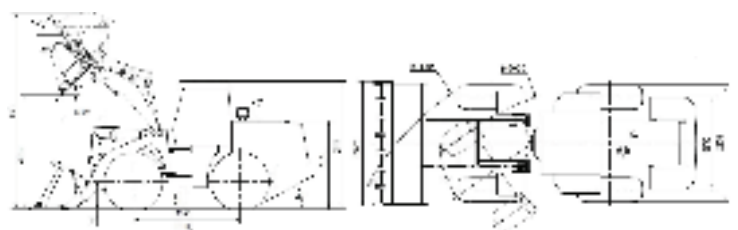
Dry drive axle	
Foot brake	Oil disc braking on 4 wheels
Braking air pressure	685~824 kPa
Hand brake	Soft shaft operation, inner expanding shoe type

## SPECIFICATION

Rated capacity	5000 kg
Bucket volume	3.0 m <sup>3</sup>
Operating weight	17000 kg±300 kg
Traveling speeds - Forward I / Reverse II	0~13/0~17 km/h
Traveling speeds - Forward II	0~38 km/h
Max. tractive force	160±5 kN
Max. climbing gradient	29 °
Max. dumping angle	45 °
Max. dumping height	≥3040 mm (main cutting edge)
Dumping reach	≥1110 mm (main cutting edge)
Dumping angle of bucket	≥45 °
Max. Breakout force	
Breakout force of bucket	160 KN
Breakout force of lifting	110 KN
Maximum digging depth	46 mm (the bucket bottom is level)
Lifting time of boom	≤5.5 s
Total cycling time	≤10.5 s
Min. Turning radius	
Outside of the bucket	7120 mm
Center of the tyre	6020 mm
Turning angle of the chassis	35±1°
Oscillating angle of the rear axle	±10 °

## DIMENSIONS

Overall Length (bucket on the ground)	8100 mm
Overall width	2850 mm
Bucket width	2996 mm
Overall height	3515 mm
Wheel base	3050 mm
Tread	2250 mm
Min. ground clearance	520 mm



# LARGEST NETWORK



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