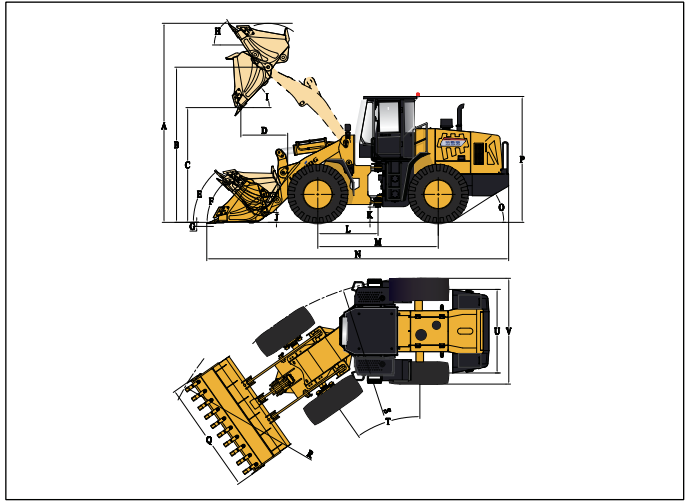


**DIMENSIONS**  
All dimensions are approximate. Dimensions may vary with bucket and tire choice.  
Refer to operating specifications.



NO.	DESCRIPTION	UNIT	DIMENSIONS
A	Overall Height – Bucket Raised	mm	5323
B	Bucket Pin Height at Max. Lift	mm	4163
C	Dump Clearance at Max. Lift ( 45°)	mm	3080
D	Reach at Max. Lift and 45° Dump	mm	1256
E	Rack Back Angle at Carry	°	48
F	Rack Back Angle at Ground	°	45
G	Digging Depth	mm	50
H	Rack Back Angle at Max. Lift	°	53
I	Dump Angle at Max. Lift	°	45
J	Carry Height	mm	400
K	Ground Clearance	mm	409
L	Center Line of Front Axle to Hitch	mm	1615
M	Wheel Base	mm	3230
N	Overall Length	mm	8150
O	Departure Angle	°	32
P	Height to Top of Cab	mm	3380
Q	Overall Width over Bucket	mm	3010
R	Min. Turning Radius over Bucket	mm	7106
S	Min. Turning Radius over Tires	mm	6537.5
T	Steering Angle – Left/Right	°	35
U	Width at Tread Center	mm	2240
V	Overall Width over Tires	mm	2835

**OVERALL DATA**

Bucket Capacity	3.0m³
Rated Payload	5000kg
Operating Weight	17200±300kg
Traction Force	155±3kN
Breakout Force	170±3kN
L×W×H	8150×3010×3380mm

**ENGINE&ELECTRICAL SYSTEM**

Maker/Model	WEICHAI/WD10G220E21
Emission Standard	National II
Engine Type	4 Stroke, Turbocharged, Water-cooled, Direct Injection, Diesel Engine
Rated Power	162kW(220hp)/2200rpm
Maximum Torque	860N·m/1400-1600rpm
Bore x Stroke (mm)	126×130
No. of Cylinders/Displacement	6/9.726L
Compression Ratio	17.0
Air Cleaner	Three Stage Air Cleaner with Cyclone Pre-cleaner
Alternator	55Amp
Battery	2-24V/120Ah
Starting Motor	24V/7.5kW
Heating Capacity (W)- <i>OPTIONAL</i>	5000W
Cooling Capacity (W)- <i>OPTIONAL</i>	4700W

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DRIVE TRAIN					
Transmission Type		Planetary Powershift Transmission			
Shift Type		Mechanical Powershift Control			
Pressure of Transmission		1.2-1.5MPa			
Torque Converter Type		Single-stage, Duo-turbine, 4-element			
Torque Ratio		4.0			
Axles		Rigid Front Axle&Oscillating Rear Axle			
Rear Axle Oscillation (°)		±10°			
Differential		Conventional			
Main Reducer		Spiral Bevel, 1-stage Reduction			
Final Reducer		Planetary Reduction			
Tire		23.5-25 L-3 16PR TT			
Travel Speeds	km/h	1st	2nd	3rd	4th
	Forward	11.5	36		
	Reverse	16			

**BRAKE SYSTEM**

Service Brake	Single Circuit Caliper, Dry Brake
Setting Pressure	0.70-0.78MPa
Parking Brake	Air Actuated Caliper Brake
Emergency Brake	Air Actuated Caliper Brake

**STEERING SYSTEM**

Type		Hydraulic Load Sensing System			
Pump		Gear Pump, 176L/min • 2200rpm			
System Pressure		15MPa			
Cylinder	Type	Double Acting			
	Bore x Stroke	2-100×324mm			
Steering Angle		±35°			

**HYDRAULIC SYSTEM**

Type		Single-lever(Joystick) Control			
Pump		Gear Pump, 220L/min • 2200rpm			
Control Valve		2 Spool (Bucket&Boom)			
System Pressure		16MPa			
Cylinder	Lift Cylinder	2-180×721mm			
	Tilt Cylinder	1-200×563mm			
Joystick Control Pressure		2.5MPa			
Cycle Time (Sec)	Raise	Dump	Lower	Total	
	6.0	1.0	4.0	11.0	

**SERVICE REFILL CAPACITY**

Fuel Tank (L)	285L
Hydraulic Tank (L)	270/275(3 <sup>rd</sup> Spool for Auxiliary Function)L
Crankshaft (L)	20L
Transmission (L)	46L
Front Axle/Rear Axle (L)	28L/28L

**STANDARD EQUIPMENT**

WEICHAI Engine	Air Actuated Caliper Brake
LONGKING Transmission	Standard Lift&Bucket (3.0m³)
Mechanical Powershift Control	ROPS&FOPS Cabin
LONGKING Axles	Mechanical Instrument Panel
Joystick Control(2 Spool)	Warm-air Machine

**OPTIONAL EQUIPMENT**

Cold Starting (-35℃)	Quick Hitch Coupler
Oil-bath Air Filter	Quick Hitch Bucket
23.5R25 ★★ L-3 TL	Bucket(3 Piece Cutting Edges)
23.5R25 ★★ L-5 TL	Rock Bucket(3.0m³)
Automatic Leveling&Limited Lifting Position	Enlarged Bucket(3.5m³)
3 <sup>rd</sup> Spool for Auxiliary Function	Coal Bucket(4.2m³)
Sliding Cabin Window	Log Grapple
Electric Heating Rear Window	Grass Grapple
Lockable Oil Tank Cap	Side Tip Bucket(2.5m³)
Rear View Camera	Marble Fork
Pressure Testing Connector	Log Fork
Air Conditioner	Close Sweeper
Radio/MP3	4in1 Bucket(Quick Hitch Only)
High Lift &Additional Counterweight	Snow Blade(Quick Hitch Only)

For more information on Lonking products,  
Please contact our local agent:



Specifications and design are subject to change without prior notice.  
Machines shown may not include optional accessories.

# Lonking 龙工

Efficiency Rules the Future

## ZL50NC WHEEL LOADER

POWERFUL WEICHAI ENGINE  
LONGKING TRANSMISSION  
LONGKING AXLES  
JOYSTICK CONTROL  
ROPS&FOPS CABIN  
VARIETY WITH ATTACHMENT  
CONVENIENT MAINTENANCE



- RATED POWER: 162kW/2200rpm
- BUCKET CAPACITY: 3.0 m³
- RATED PAYLOAD: 5000kg
- OPERATING WEIGHT: 17200kg