



## RB860 WHEEL LOADER



### SPECIFICATIONS

ITEM	DATA
Bucket Capacity	3.5m <sup>3</sup>
Rated Payload	6000kg
Operating Weight	20850±300kg
Traction Force	175±3kN
Breakout Force	200±3kN
LxWxH	8610x3050x3430mm



### MAIN DATA

ITEM	
WEICHAJ Engine	ZF Transmission
Electronic Powershift Control	LONKING Axles (Dry type)
Joystick Working Control (Single-lever)	Hydraulic Actuated Drum Brake
ROPS&FOPS Cabin	Combination Instrument
Air Conditioner	



## TRANSMISSION SYSTEM

ITEM	DATA
Transmission Type	Countershaft Powershift
Shift Type	Electronic Powershift Control
Pressure of Transmission	1.1-1.5MPa
Torque Converter Type	Single-stage&turbine,3-element
Axles	Rigid (Front)&Oscillating (Rear)
Rear Axle Oscillation (°)	±10°
Differential	Conventional
Main Reducer	Spiral Bevel,1-stage Reduction
Final Reducer	Planetary Reduction
Tire	23.5-25 L-3 20PR TT
Travel Speed-Forward	6.7/11.7/23.8/37.5 km/h
Travel Speed-Reverse	6.7/11.7/23.8 km/h



## BRAKE SYSTEM

ITEM	DATA
Service Brake	Single Circuit Caliper,Dry Brake
Setting Pressure	0.70-0.78MPa
Parking Brake & Emergency Brake	Hydraulic Actuated Drum Brake



## STEERING SYSTEM

ITEM	DATA
Type	Hydraulic Load Sensing System
Steering Pump	176L/min·2200rpm
System Pressure	16MPa
Cylinder Type	Double Acting
Steering Angle	±35°



## HYDRAULIC SYSTEM

ITEM	DATA
Type	Joystick Control (Single-lever)
Working Pump	275L/min·2200rpm
Control Valve	2 Spool
System Pressure	16MPa
Cycle Time (Sec)	11.8



## ENGINE

ITEM	DATA
Manufacturer/Model	WEICHAI/WD10G240E21
Rated Power	175kW/2200rpm
Maximum Torque	920N·m/1300-1600rpm
Bore x Stroke (mm)	126x130mm
No. of Cylinders/Displacement	6/9.726L
Air Cleaner	Three Stage Air Cleaner
Alternator	55Amp
Battery	2-24V/120Ah
Starting Motor	24V/7.5kW



## REFUELING CAPACITY

ITEM	DATA	ITEM	DATA
Fuel Tank	285L	Transmission	32L
Hydraulic Tank	270/275(3rd Spool)L	Front Axle / Rear Axle	31L/31L
Crankshaft (L)	20L		

## OVERALL DIMENSIONS

ITEM	DATA
A. Overall Height - Buckle Raised	5988 mm
B. Bucket Pin Height at Max. Lift	4550 mm
C. Dump Clearance at Max. Lift (45°)	3411 mm
D. Reach at Max. Lift and 45° Dump	1206 mm
E. Rack Back Angle at Carry	49°
F. Rack Back Angle at Ground	44°
G. Digging Depth	60mm
H. Rack Back Angle at Max. Lift	54°
I. Dump Angle at Max. Lift	45°
J. Carry Height	311 mm
K. Ground Clearance	432 mm
L. Center Line of Front Angle to Hitch	1700 mm
M. Wheel Base	3400 mm
N. Overall Length	8610 mm
O. Departure Angle	28°
P. Height to Top of Cab	3430 mm
Q. Overall Width over Bucket	3050 mm
R. Min. Turning Radius over Bucket	7650 mm
S. Min, Turning Radius over Tires	6797.5 mm
T. Steering Angle - Left/Right	35°
U. Width at Tread Center	2270 mm
V. Overall Width over Tires	2865 mm

