



RB856 WHEEL LOADER



SPECIFICATIONS

ITEM	DATA
Bucket Capacity	3.0m ³
Rated Payload	5000kg
Operating Weight	17300±300kg
Traction Force	155±3kN
Breakout Force	170±3kN
LxWxH	8200x3010x3380mm



MAIN DATA

ITEM	
WEICHAH 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 16PR TT
Travel Speed-Forward	6.8/13/23/36 km/h
Travel Speed-Reverse	6.8/13/23 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	15MPa
Cylinder Type	Double Acting
Steering Angle	±35°



HYDRAULIC SYSTEM

ITEM	DATA
Type	Joystick Control (Single-lever)
Working Pump	220L/min-2200rpm
Control Valve	2 Spool
System Pressure	16MPa
Cycle Time (Sec)	11



ENGINE

ITEM	DATA
Manufacturer/Model	WEICHAI/WD10G220E21
Rated Power	162kW/2200rpm
Maximum Torque	860N·m/1400-1600rpm
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	30L
Hydraulic Tank	270/275(3rd Spool)L	Front Axle / Rear Axle	28L/28L
Crankshaft (L)	20L		

OVERALL DIMENSIONS

ITEM	DATA
A. Overall Height - Buckle Raised	5323 mm
B. Bucket Pin Height at Max. Lift	4163 mm
C. Dump Clearance at Max. Lift (45°)	3080 mm
D. Reach at Max. Lift and 45° Dump	1256 mm
E. Rack Back Angle at Carry	49.3°
F. Rack Back Angle at Ground	46°
G. Digging Depth	50mm
H. Rack Back Angle at Max. Lift	58.30°
I. Dump Angle at Max. Lift	46°
J. Carry Height	400 mm
K. Ground Clearance	409 mm
L. Center Line of Front Angle to Hitch	1615 mm
M. Wheel Base	3230 mm
N. Overall Length	8200 mm
O. Departure Angle	30°
P. Height to Top of Cab	3380 mm
Q. Overall Width over Bucket	3010 mm
R. Min. Turning Radius over Bucket	7346 mm
S. Min, Turning Radius over Tires	6650 mm
T. Steering Angle - Left/Right	35°
U. Width at Tread Center	2240 mm
V. Overall Width over Tires	2835 mm

