



RB835 WHEEL LOADER



SPECIFICATIONS

ITEM	DATA
Bucket Capacity	1.7m ³
Rated Payload	3000kg
Operating Weight	10300(10500)±300kg
Traction Force	97±3kN
Breakout Force	105(95)±3kN
LxWxH	7200(7450)x2500x3180



MAIN DATA

ITEM	
WEICHAH Engine	LONKING Transmission
Mechanical Powershift Control	LONKING Axles (Dry type)
Joystick Working Control	Flexible Shaft Controlled Caliper Brake
ROPS&FOPS Cabin	Mechanical Instrument Panel
Warm-air Machine	



TRANSMISSION SYSTEM

ITEM	DATA
Transmission Type	Countershaft Powershift
Shift Type	Mechanical 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	17.5-25 L-3 12PR TT
Travel Speed-Forward	7/12/24/36 km/h
Travel Speed-Reverse	8.5/28 km/h



BRAKE SYSTEM

ITEM	DATA
Service Brake	Single Circuit Caliper,Dry Brake
Setting Pressure	0.70-0.78MPa
Parking Brake & Emergency Brake	Flexible Shaft Controlled Caliper Brake



STEERING SYSTEM

ITEM	DATA
Type	Hydraulic Load Sensing System
Steering Pump	246L/min·2200rpm
System Pressure	14MPa
Cylinder Type	Double Acting
Steering Angle	±35°



HYDRAULIC SYSTEM

ITEM	DATA
Type	Joystick Control
Working Pump	246L/min-2200rpm
Control Valve	2 Spool
System Pressure	16MPa
Cycle Time (Sec)	10.5



ENGINE

ITEM	DATA
Manufacturer/Model	WEICHAI/WP6G125E22
Rated Power	92kW/2200rpm
Maximum Torque	500N·m/1400-1600rpm
Bore x Stroke (mm)	105x130mm
No. of Cylinders/Displacement	6/6.75L
Air Cleaner	Three Stage Air Cleaner
Alternator	70Amp
Battery	2-24V/105Ah
Starting Motor	24V/6kW



REFUELING CAPACITY

ITEM	DATA	ITEM	DATA
Fuel Tank	200L	Transmission	36L
Hydraulic Tank	150/155(3rd Spool)L	Front Axle / Rear Axle	18.5L/18.5L
Crankshaft (L)	17L		

OVERALL DIMENSIONS

ITEM	DATA
A. Overall Height - Buckle Raised	4474 mm
B. Bucket Pin Height at Max. Lift	3710 mm
C. Dump Clearance at Max. Lift (45°)	2905 mm
D. Reach at Max. Lift and 45° Dump	1095 mm
E. RackBack Angle at Carry	46.3°
F. RackBack Angle at Ground	40°
G. Digging Depth	30-40mm
H. Rack Back Angle at Max. Lift	50.70°
I. Dump Angle at Max. Lift	46.6°
J. Carry Height	400 mm
K. Ground Clearance	345 mm
L. Center Line of Front Angle to Hitch	1425 mm
M. Wheel Base	2850 mm
N. Overall Length	7200 mm
O. Departure Angle	27°
P. Height to Top of Cab	3180 mm
Q. Overall Width over Bucket	2500 mm
R. Min. Turning Radius over Bucket	6190 mm
S. Min, Turning Radius over Tires	5675 mm
T. Steering Angle - Left/Right	35°
U. Width at Tread Center	1850 mm
V. Overall Width over Tires	2320 mm

