



## RB876 WHEEL LOADER



### SPECIFICATIONS

ITEM	DATA
Rated Load (kg)	7000
Bucket Capacity (Std)	4.2m <sup>3</sup>
Breakout Force (Standard Bucket) kN	220
Total Circle Time (s)	10.5
Operating Weights (kg)	23 700 ± 300
Aircon	YES
Tire Size	750/65R/L3 Tubeless



### MAIN DATA

ITEM	
WEICHAH Engine (National III)	ZFAutomatic electric Control Transmission
Mechanical Powershift Control	Yunyu Axles (Dry type)
Joystick Working Control (Single-lever)	Hydraulic Brake
ROPS&FOPS Cabin	Combination Instrument
Air Conditioner	



## TRANSMISSION SYSTEM

ITEM	DATA
Transmission Type	Planetary Powershift
Shift Type	Automatic electric proportional shift
Pressure of Transmission	1.2-1.5MPa
Torque Converter Type	Single-stage,Duo-turbine,4-element
Axles	Rigid (Front)&Oscillating (Rear)
Rear Axle Oscillation (°)	±10°
Differential	Conventional
Main Reducer	Spiral Bevel,1-stage Reduction
Final Reducer	Planetary Reduction
Tire	750/65R25 L-3TL
Travel Speed-Forward	6/12.2/22.8//36 km/h
Travel Speed-Reverse	7.5/12.7/22.8 km/h



## BRAKE SYSTEM

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



## STEERING SYSTEM

ITEM	DATA
Type	Hydraulic Load Sensing System
Steering Pump	220L/min·2200rpm
System Pressure	16MPa
Cylinder Type	Double Acting
Steering Angle	±36°



## HYDRAULIC SYSTEM

ITEM	DATA
Type	Joystick Control (Single-lever)
Working Pump	176L/min·2200rpm
Control Valve	2 Spool
System Pressure	23MPa
Cycle Time (Sec)	10.8



## ENGINE

ITEM	DATA
Manufacturer/Model	WEICHAJ/WP10G270E341
Rated Power	199kW/2000rpm
Maximum Torque	1100N·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	350L	Transmission	48L
Hydraulic Tank	280L	Front Axle / Rear Axle	46/46L
Crankshaft (L)	20L		

# OVERALL DIMENSIONS

ITEM	DATA
A. Overall Height - Buckle Raised	6220 mm
B. Bucket Pin Height at Max. Lift	4639 mm
C. Dump Clearance at Max. Lift (45°)	3419 mm
D. Reach at Max. Lift and 45° Dump	1493 mm
E. RackBack Angle at Carry	50.4°
F. RackBack Angle at Ground	47.6°
G. Digging Depth	157 mm
H. Rack Back Angle at Max. Lift	51.6°
I. Dump Angle at Max. Lift	40°
J. Carry Height	400 mm
K. Ground Clearance	421 mm
L. Center Line of Front Angle to Hitch	1775 mm
M. Wheel Base	3550 mm
N. Overall Length	8886 mm
O. Departure Angle	30°
P. Height to Top of Cab	3460 mm
Q. Overall Width over Bucket	3300 mm
R. Min. Turning Radius over Bucket	7636 mm
S. Min, Turning Radius over Tires	6935 mm
T. Steering Angle - Left/Right	36°
U. Width at Tread Center	2350 mm
V. Overall Width over Tires	3100 mm

