



RB816 WHEEL LOADER



SPECIFICATIONS

ITEM	DATA
Bucket Capacity	0.95m ³
Rated Payload	1600kg
Operating Weight	5500kg
Traction Force	50kN
Breakout Force	48kN
LxWxH	5700x1950x2930mm



MAIN DATA

ITEM	DATA
YI TUO Engine	Pilot Control Working System
SHAN TUI Transmission	Standard Working Equipment
SHAN TUI Torque Converter	Air Conditioner
Dry Brake Drive Axle	



BRAKE SYSTEM

ITEM	DATA
Service Brake	Air Drive, Four Wheel Brake (Dry)
Setting Pressure	0.78MPa
Parking Brake	Flexible Shaft Controlled Caliper



TRANSMISSION SYSTEM

ITEM	DATA
Transmission Type	Countershaft Powershift
Shift Type	Fixed Shaft Hydraulic Shift Spur Gear
Pressure of Transmission	1.2-1.5MPa
Gear	2F/2R
Torque Converter	Single-stage, Single-turbine, 3-element
Torque Ratio	3.7
Main Reducer	Spiral Bevel Gear Single-stage Reduction
Final Reducer	Planetary Reduction
Tire	16/70-20
Travel speed-Forward	8/21km/h
Travel speed-Reverse	8/21km/h



STEERING SYSTEM

ITEM	DATA
Type	Hydraulic Load Sensor System
Steering Pump	Shared With Working Pump
System Pressure	14Mpa
Steering Angle	±35°



HYDRAULIC SYSTEM

ITEM	DATA
Type	Pilot control
Working Pump	Gear Pump
Flow Rate	100L/min·2400rpm
Control Valve	2 Spool
System Pressure	16MPa
Cycle Time (Sec)	9.4



ENGINE

ITEM	DATA
Manufacturer/Model	YI TUO/YT4A2-24 (Nation II)
Rated Power	55kW/2400rpm
Rated Torque	235N·m/1680-1800rpm



ELECTRIC SYSTEM

ITEM	DATA
System Voltage	24V
Battery (2 in series)	2x90 Ah

REFUELING CAPACITY

ITEM	DATA
Fuel Tank	110L
Hydraulic Tank	100L
Transmission	22.5L
Front Axle / Rear Axle	12.2/12.5L

OVERALL DIMENSIONS

ITEM	DATA
A. Bucket Pin Height at Max. Lift	3276 mm
B. Dump Clearance at Max. Lift (45°)	2700 mm
C. Reach at Max. Lift and 45° Dump	910 mm
D. Ground Clearance	310 mm
E. Center Line of Front Axle to Hitch	690 mm
F. Wheel Base	2050 mm
G. Overall Lenth	5700 mm
H. Height to Top of Cab	2930 mm
I. Overall Width over Bucket	1950 mm
J. Width at Tread Center	1450 mm
K. Overall Width over Tires	1900 mm

