



Engine	Ashok Leyland
Operating Weight	12,325 Kg
Gross Power	160 HP (118 kW)
Payload Capacity	3,850 Kg
Standard Bucket	2.4 m ³

838T^{MAX}

WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

OPERATING WEIGHT 12,325 Kg

ENGINE	
Manufacturer	Ashok leyland
Model	H6C516022
Emission	CEV V
Gross Power	160 HP (118 kW) @ 2200 rpm
Peak Torque	650Nm @ 1400-1600 rpm
Displacement	5.7 L
Aspiration	Turbocharged
Number of Cylinders	6

BUCKET CAPACITY	
General Purpose Bucket	2.4 m ³
HD Bucket	1.7 m ³
Light Material	3.5 m ³
Side Dump Bucket	1.5 m ³

TRANSMISSION	
Make	LiuGong
Transmission Type	Powershift
Torque Converter	Twin Turbine, Four Member
Number of Speed	Forward 2 / Reverse 1
Forward Speed F1/F2	12/40 km/h
Reverse R1	17 km/h

AXLES	
Make	LiuGong
Type	Planetary Hub Reduction
Axle Oscillation	±11°

TIRE	
Tire Size	17.5-25 PR16

BRAKE SYSTEM	
Service/Secondary Brake	Air Over Hydraulic
Parking Brake	Drum Brake, Mechanical Actuation

HYDRAULIC SYSTEM	
Main Pump Type	Gear Pump
Main Relief Pressure	21 MPa
Control	Single Pilot Lever
Cylinder	Double Acting
Total Cycle Time	9.0 Sec

STEERING SYSTEM	
Steering Type	Articulated
Pump Type	Gear Pump
Steering Working Pressure	17.2 MPa
Maximum Articulation Angle	±38°

SERVICE CAPACITIES	
Fuel Tank	180 L
Hydraulic System	104 L
Engine Oil	16 L
Cooling System	30 L
Front Axle Oil	29 L
Rear Axle Oil	32 L
Transmission & Torque Converter Oil	27 L

ELECTRICAL SYSTEM	
System Voltage	24V
Battery	150Ah, 12V X 2

CABIN STANDARD FEATURES	
Air Conditioned	
I-Link	
ROPS & FOPS	
Rear View Camera	
Mechanical Suspension Seat	
Cabin Guard	

AIS160 (Part 1 & Part 2) COMPLIANT



Mapping & Tracking | Geofencing | Utilization Report | Service Management

LOADER PERFORMANCE WITH STANDARD BUCKET 2.4 m³

Tipping Load- Straight	9,785 kg
Tipping Load- Full Turn	8,463 kg
Bucket Breakout Force	130 kN
A-Hinge Pin Height, Fully Raised	3850 mm
B-Dumping Height, Fully Raised	2950 mm
C-Dumping Reach, Fully Raised	1059 mm
D-Max. Digging Depth	40 mm
E-Min. Ground Clearance	384 mm
G-Wheel Base	2930 mm
H-Overall Height (Top of Cab)	3328 mm
J-Tread Width	1900 mm
K-Overall Width (Outside of Wheel)	2460 mm
L-Overall Length (Bucket on Ground)	7415 mm
P-Departure Angle	30°
W-Overall Width (Outside on Bucket)	2700 mm
S1-Bucket Rollback at Ground Level	41°
S2-Bucket Rollback at Carry	48°
S3-Bucket Rollback at Maximum	60°
S4-Maximum Dump Angle at Full Height	45°
R1-Turning Radius (Outside of Bucket)	6050 mm
R2-Turning Radius (Outside of Rear Wheel)	5055 mm

OPTIONAL

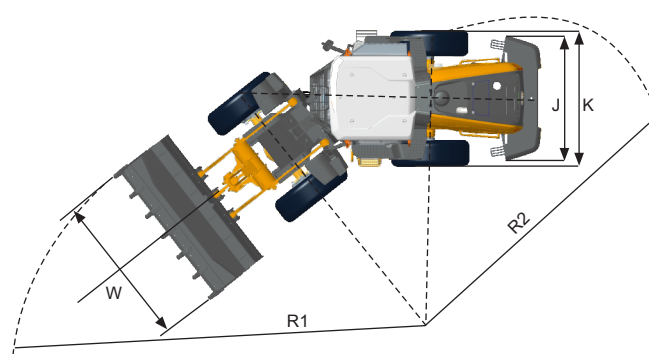
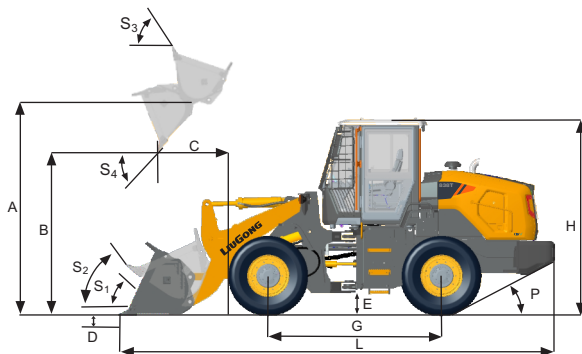
Payload Measurement System
Side Dump Bucket
Snow Plow
Dozer Blade
Multiple Fork and Lock Handling

HIGH LIFT BOOM (OPTIONAL)

Bucket	Hinge Pin Height	Dump Height
GP-1.8m ³	4500 mm	3700 mm
COAL-2.8m ³	4500 mm	3500 mm

DGMS KIT (OPTIONAL)

Rim Protection Device	Seat Belt Reminder
Automatic Fire Suppression & Detection System	Neutral Braking /Door Interlock
Automatic Centralized Lubrication System	Emergency Stop / Ground Level Engine Shutoff- Button
Rotary Beacon	Audio Visual Alarm
Proximity Warning Device	Operator Fatigue Warning
	3 Point Contact Seat Belt



Note: Standard operating conditions, altitude: ≤2500 m (without deration), temperature: 0°C to +50°C (without grid heater)

Parameters of actual equipment shall be within ±2.5% of the values illustrated. Specifications are subject to change without prior notice. Optional equipments are available upon request. Please contact your local Liugong dealer for detailed information

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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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