



Engine	Cummins B4.5
Rated Power	115 kW (154 hp / 156 ps) @ 2,200 rpm
Operating Weight	13,363 kg (29,460 lbs)
Standard Bucket Size	1.9 m ³ (2.5 yd ³)
Standard Breakout Force	113 kN (25,403 lbf)
Standard Dump Clearance	2,804 mm (9'2")

838T WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

838T SPECIFICATIONS >>>

ENGINE

Emission Regulation	Stage V
Manufacturer	Cummins
Model	B4.5
Rated Power	115 kW (154 hp / 156 ps) @ 2,200 rpm
Peak Torque	712 N·m (525 lbf·ft) @ 1,100~1,500 rpm
Displacement	4.5 L
Number of Cylinder	4
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Electric proportional, power shift
Maximum Travel Speed, fwd	39.8 km/h (24.7 mph)
Maximum Travel Speed, rev	27.8 km/h (17.3 mph)
Number of Speed, fwd	4
Number of Speed, Rev	3

AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±9°

STEERING

Steering Configuration	Load sensing hydraulic steering
Steering Relief Pressure	18 MPa (2,611 psi)

BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Full hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	26 MPa (3,771 psi)
Raise	4.8 s
Dump Time	1.1 s
Float Down Time	3.1 s
Fastest Total Cycle Time	9.0 s

LOADER ARM PERFORMANCE WITH STANDARD BUCKET 1.9 m³ (2.5 yd³)

Tipping Load - Straight (ISO 14397-1:2007)	8,870 kg (19,555 lbs)
Tipping Load - Full Turn (ISO 14397-1:2007)	7,650 kg (16,865 lbs)
Bucket Breakout Force	113 kN (25,403 lbf)
A Maximum Hinge Pin Height	3,870 mm (12'8")
B Dump Clearance at Full Height Discharge	2,804 mm (9'2")
C Dump Reach at Full Height Discharge	1,154 mm (3'9")
D Maximum Digging Depth, Bucket Level	83 mm (3")
S ₁ Rollback at Ground Level	42 °
S ₂ Bucket Rollback at Carry	48 °
S ₃ Bucket Rollback at Maximum Height	54.5 °
S ₄ Maximum Dump Angle at Full Height	45 °

BUCKET PERFORMANCE

Reference Bucket	1.5-3.2 m³ (2.0-4.2 yd³)
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DIMENSIONS

E Ground Clearance	400 mm (1'4")
G Wheelbase	2,870 mm (9'5")
H Cab Height	3,352 mm (11')
J Wheel Tread	1,950 mm (6'5")
K Width over Tires	2,470 mm (8'1")
L Length with Bucket Down	7,404 mm (24'3")
M Turn Angle, Either Side	40 °
P Rear Angle of Departure	28 °
R ₁ Turning Radius, Bucket Carry	5,772 mm (18'11")
R ₂ Turning Radius, Outside of Tire	4,915 mm (16'2")
W Width over Bucket	2,470 mm (8'1")

TIRES

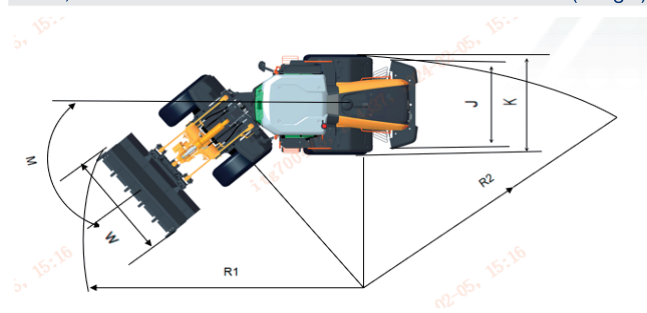
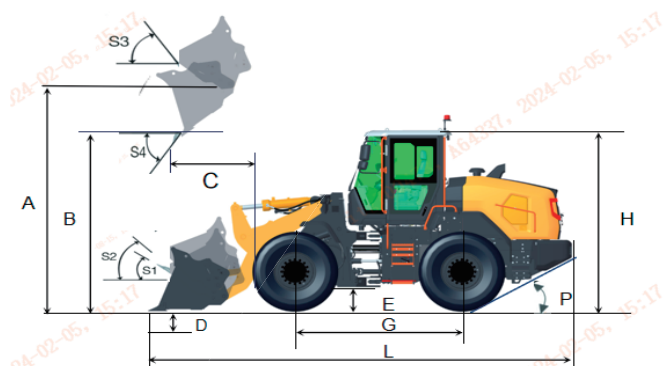
Tire Size	20.5R25 L-3
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OPERATING WEIGHTS

Operating Weight	13,363 kg (29,460 lbs)
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SERVICE CAPACITY

Fuel Tank	220 L (58.1 gal)
Engine Oil	16 L (4.2 gal)
Cooling System	30 L (7.9 gal)
Hydraulic System	140 L (37 gal)
Transmission	40 L (10.6 gal)
Axles, Front/Rear	22 L (5.8 gal)



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

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