

Engine	Cummins QSB6.7
Gross Power	119 kW (160 hp) @ 2,200 rpm
Net Power	108 kW (145 hp) @ 2,200 rpm
Operating Weight	13,200 kg
Standard Bucket Size	1.9 m <sup>3</sup>
Standard Breakout Force	93.5 kN
Standard Dump Clearance	2,802 mm

# 835III

WHEEL LOADER

 **LIUGONG**



TOUGH WORLD. TOUGH EQUIPMENT.

# 835III SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 3/ Stage IIIA
Make	Cummins
Model	QSB6.7
Gross Power	119 kW (160 hp) @ 2,200 rpm
Net Power	108 kW (145 hp) @ 2,200 rpm
Peak Torque	732 N · m @ 1,400 rpm
Displacement	6.7 L
Number of Cylinders	6
Aspiration	Turbocharged & Air-to-air intercooled

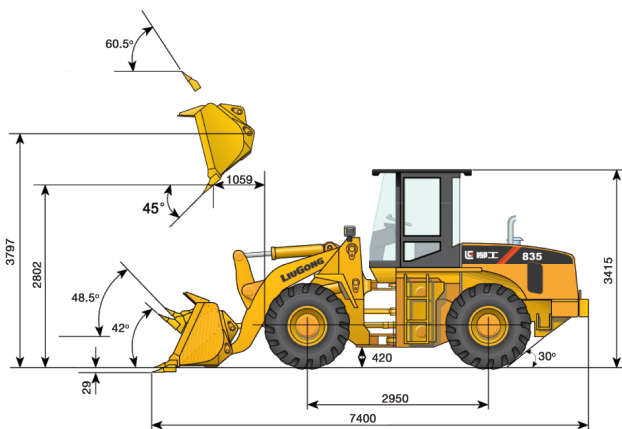
TRANSMISSION	
Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38 km/h
Maximum Travel Speed, rev	23.7 km/h
Number of Speeds, fwd	4
Number of Speeds, rev	3

AXLES	
Differential Front Type	Limited slip
Differential Rear Type	Limited slip
Axle Oscillation	±11°

STEERING	
Steering Configuration	Articulated
Steering Relief Pressure	15 Mpa

BRAKES	
Service Brake Type	Wet discs brake
Service Brake Actuation	Hydraulic
Parking Brake Type	Manual electronic control
Parking Brake Actuation	Hydraulic

HYDRAULIC SYSTEM	
Main Pump Type	Vane
Main Relief Pressure	20.7 MPa
Raise	5.6 s
Dump Time	1.5 s
Float Down Time	3.8 s
Fastest Total Cycle Time	10.9 s



LOADER ARM PERFORMANCE	
Tipping Load - Straight	9,180 kg
Tipping Load - Full Turn	7,960 kg
Bucket Breakout Force	93.5 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	2,802 mm
Dump Reach at Full Height Discharge	1,059 mm
Maximum Hinge Pin Height	3,797 mm
Maximum Digging Depth, Bucket Level	29 mm
Bucket Rollback at Ground Level	42°
Bucket Rollback at Carry	48.5°
Bucket Rollback at Maximum Height	60.5°

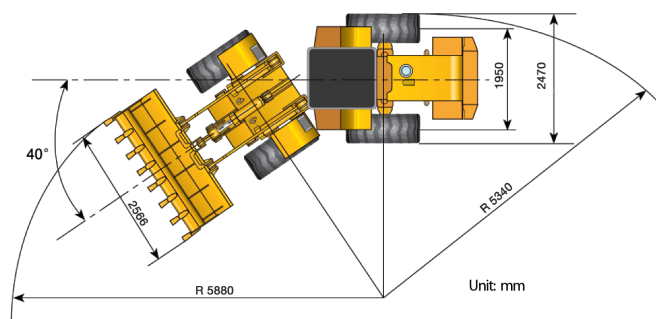
BUCKET PERFORMANCE	
Reference Bucket	1.9 m <sup>3</sup>

DIMENSIONS	
Length with Bucket Down	7,400 mm
Width Over Tires	2,470 mm
Wheelbase	2,950 mm
Wheel Tread	1,950 mm
Ground Clearance	420 mm
Turn Angle, Either Side	40°
Rear Angle of Departure	30°
Turning Radius, Outside of Tire	5,340 mm
Turning Radius, Center of Tire	5,080 mm
Turning Radius, Bucket Carry	5,880 mm

TIRES	
Tire Size	20.5 R 25

OPERATING WEIGHTS	
Operating Weight	13,200 kg

SERVICE CAPACITY	
Fuel Tank	240 L
Engine Oil	15 L
Cooling System	35 L
Hydraulic Reservoir	150 L
Transmission and Torque Converter	28 L
Front Axle	34 L
Rear Axle	28 L



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

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