



836 Wheel Loader Long Arm



Engine	WeiChai
Gross Power	92 kW (123 hp) @ 2,200 rpm
Net Power	82 kW (110 hp) @ 2,200 rpm
Operating Weight	10,300 kg
Standard Bucket Size	1.7 m ³
Standard Breakout Force	100 kN
Standard Dump Clearance	3,211 mm



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836

Wheel Loader



ENGINE

Emission Regulation	Tier 2 / Stage II
Make	WP6G125E22
Gross Power	92 kW (123 hp) @ 2,200 rpm
Net Power	82 kW (110 hp) @ 2,200 rpm
Peak Torque	500 N·m @ 1,400~1,600 rpm
Torque Rise %	25 %
Number of Cylinders	6
Aspiration	Turbo

TRANSMISSION

Transmission Type	planetary type, power shift
Transmission Configuration	2f-1r
Torque Converter	4 element - single stage, single phase
Maximum Travel Speed, fwd	35 km/h
Maximum Travel Speed, rev	14.5 km/h
Number of Speeds, fwd	2
Number of Speeds, rev	1

AXLES

Differential Front Type	conventional
Differential Rear Type	conventional
Axle Oscillation	11 °

STEERING

Steering Configuration	articulated
Steering Relief Pressure	14.8 MPa

BRAKES

Service Brake Type	caliper dry disc
Service Brake Actuation	hydraulic
Parking Brake Type	shoe/drum
Parking Brake Actuation	mechanical

HYDRAULIC SYSTEM

Main Pump Type	gear
Main Relief Pressure	17 MPa
Raise	4.6 s
Dump Time	1.2 s
Float Down Time	2.6 s
Fastest Total Cycle Time	8.4 s

LOADER ARM PERFORMANCE

Tipping Load - Straight	6,832 kg
Tipping Load - Full Turn	6,118 kg
Bucket Breakout Force	100 kN
Maximum Dump Angle at Full Height	45±1 °
Dump Clearance at Full Height Discharge	3,211 mm
Dump Reach at Full Height Discharge	1,054 mm
Maximum Hinge Pin Height	4,040 mm
Maximum Digging Depth, Bucket Level	54 mm
Bucket Rollback at Ground Level	45°
Bucket Rollback at Carry	51.5 °
Bucket Rollback at Maximum Height	65 °

BUCKET PERFORMANCE

Reference Bucket	1.7 m³
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DIMENSIONS

Length with Bucket Down	7,141 mm
Width Over Tires	2,295 mm
Wheelbase	2,870 mm
Wheel Tread	1,850 mm
Ground Clearance	322 mm
Turn Angle, Either Side	40 °
Rear Angle of Departure	30°
Turning Radius, Outside of Tire	5,173 mm
Turning Radius, Center of Tire	4,951 mm
Turning Radius, Bucket Carry	5,770 mm

TIRES

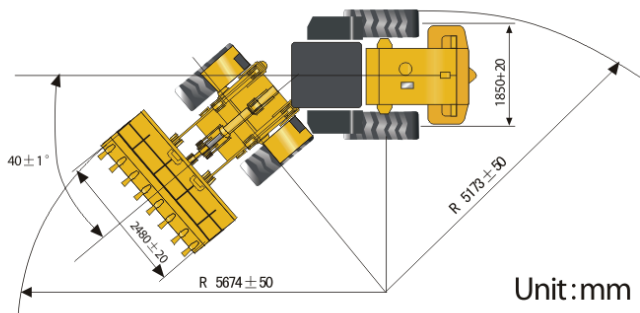
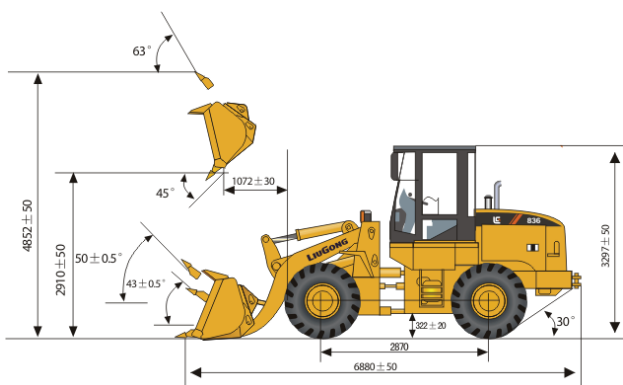
Tire Size	17.5-25
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OPERATING WEIGHTS

Operating Weight	10,300 kg
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SERVICE CAPACITIES

Fuel Tank	160 L
Engine Oil	13 L
Cooling System	35 L
Hydraulic Reservoir	115 L
Transmission and Torque Converter	45 L
Axles, each	22 L



Unit:mm



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