



Engine
Rated Power
Blade Width
Maximum Speed
Draw Bar Pull
Operating Weight

GCIC QSB7
135 kW (181 hp / 184 ps) @ 2,050 rpm
3,960 mm
38 km/h
86 kN
15,500 kg

4180D MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

4180D SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 3 / Stage III
Make	GCIC
Model	QSB7
Rated Power	135 kW (181hp / 184 ps) @ 2,050 rpm
Maximum Torque	800 N·m
Number of Cylinders	6
Aspiration	Turbo & air-to-air intercooled

TRANSMISSION	
Transmission Type	Power shift
Torque Converter	Three - member single turbine
Maximum Travel Speed, fwd	38 km/h
Maximum Travel Speed, rev	24.2 km/h
Number of Speeds, fwd	6
Number of Speeds, rev	3

AXLES	
Differential Type	Limited slip standard
Final Drive Type	Chain drive
Axle Oscillation	±16°
Front Axle, Wheel Lean Angle	Left / right ±18°

STEERING	
Steering Configuration	Load sensor steering gear
Steering Relief Pressure	16.7 MPa
Minimum Turning Radius	7,200 mm
Steering Angle	±50°
Frame Articulation Angle	±27°

BRAKES	
Service Brake Type	Shoe
Service Brake Location	Rear axle

TIRES	
Tire Size	17.5-25

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	20 MPa
Main Pump Flow	122 L/min

WORKING CAPACITIES	
Maximum Draw Pull	86 kN
Cutting Pressure	7,600 kg

TANDEM DRIVE PERFORMANCE	
Height	686 mm
Width	210 mm
Center Distance	1,538 mm

OPERATOR CAB	
Single Rops CAB	
Air Conditioner	

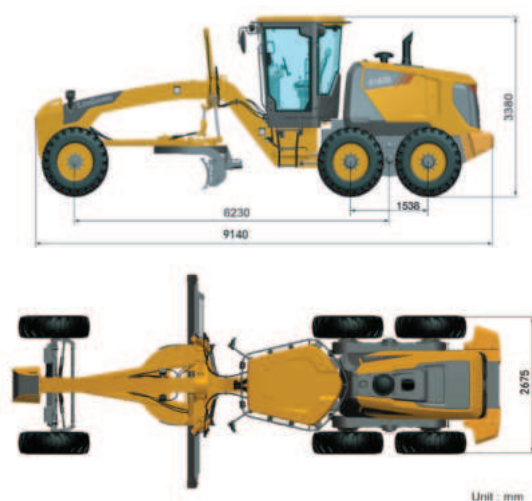
MOLDBOARD PERFORMANCE	
Bank Cut Angle	28~74°
Moldboard Lift Above Ground	600 mm
Moldboard Side Shift, left / right	660 / 740 mm
Maximum Sloping Angle	90°
Cutting Depth	680 mm
Circle Rotation	360°
Circle Diameter	1,455 mm
Circle Thickness	140 mm

DIMENSIONS	
Wheelbase	6,230 mm
Overall Length	9,140 mm
Overall Height with Cab	3,380 mm
Clearance under Front Axle	602 mm
Moldboard Standard Length	3,960 mm
Moldboard Standard Thickness	25 mm
Moldboard Standard Height	610 mm

OPERATING WEIGHTS	
Operating Weight	15,500 kg

SERVICE CAPACITIES	
Fuel Tank	348 L
Engine Oil	18 L
Cooling System	35 L
Hydraulic Reservoir	115 L
Transmission and Torque Converter	33 L
Tandems, each	26 L

OPTIONAL EQUIPMENT	
Rear Ripper	
Front Dozer	
Automatic Leveling System	
Rotary Beacon	
Frictional Flake Worm Box	



Guangxi Liugong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China
T: +86 772 3886124 E: overseas@liugong.com
www.liugong.com

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Replace the previous versions of 01/2022

- Specified figures have a tolerance of ±5%.
- All specifications may be changed without notice.
- Specified figures are in SI Units, followed by their equivalent English units of measurement in ().

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.