LiuGong



Engine	Cummins QSB7
Rated Power	135 kW (181 hp / 184 ps) @ 2,050 rpm
Blade Width	3,960 mm
Maximum Speed	38 km/h
Draw Bar Pull	85 kN
Operating Weight	15,500 kg

4180D MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

4180D SPECIFICATIONS>>>

ENGINE	
Emission Regulation	Tier 3 / Stage III
Make	Cummins
Model	QSB7
Rated Power	135 kW (181 hp / 184 ps) @ 2,050 rpm
Maximum Torque	740 N·m @ 1,400-1,600 rpm
Number of Cylinders	6
Aspiration	Turbo & air-to-air intercooled

TRANSMISSION	
Transmission Type	Power shift
Torque Converter	Single stage, three elements
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	Disc brake
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	85 kN
Cutting Pressure	7,600 kg

TANDEM DRIVE PERFORMANCE	
Height	648 mm
Width	226 mm
Center Distance	1,517 mm

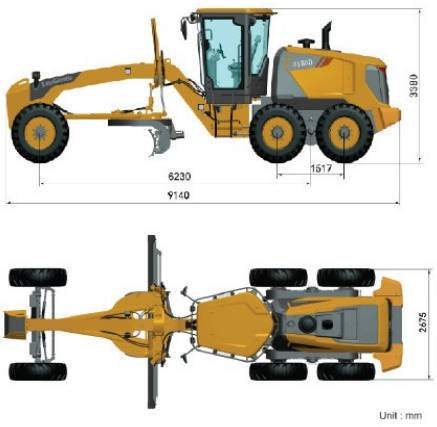
MOLDBOARD PERFORMANCE	
Bank Cut Angle	28~74°
Moldboard Lift Above Ground	600 mm
Moldboard Side Shift, left / right	660 / 740 mm
Maximum Sloping Angle	90°
Cutting Depth	680 mm
Circle Rotation	360°
Circle Diameter	1,455 mm
Circle Thickness	140 mm

DIMENSIONS	
Wheelbase	6,230 mm
Overall Length	9,140 mm
Overall Width	2,675 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	90 L

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



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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.

Correct as July 2023