LiuGong

Engine	Cummins 6BTAA5.9-C190
Rated Power	142 kW (190 hp / 193 ps) @ 2,200 rpm
Blade Width	3,960 mm
Maximum Speed	40 km/h
Draw Bar Pull	85 kN
Operating Weight	16,050 kg

4180D MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

ENGINE

Emission Regulation	Tier 2 / Stage II
Manufacturer	Cummins
Model	6BTAA5.9-C190
Rated Power	142 kW (190 hp / 193 ps) @ 2,200 rpm
Maximum Torque	800 N·m @ 1500rpm
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	40 km/h
Maximum Travel Speed, rev	26.2 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 sensing steering
Steering Relief Pressure	17.2 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

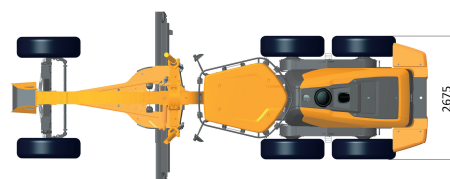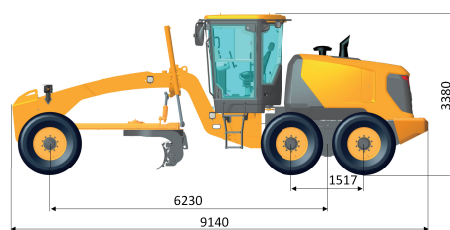|	
Wheelbase	6,230 mm
Overall Length	9,140 mm
Overall Width	2,675 mm
Overall Height with Cab	3,380 mm
Clearance under Front Axle	602 mm
Moldboard Standard Length	3,960 mm
Moldboard Standard Thickness	19 mm
Moldboard Standard Height	610 mm

OPERATING WEIGHTS

Operating Weight	16,050 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
Axle oil	90 L

OPTIONAL EQUIPMENT

Rear Ripper

Front Dozer

Automatic Leveling System

Rotary Beacon

Frictional Flake Worm Box