



Engine	Cummins 6BTAA5.9-C190
Rated Power	142 kW (190 hp / 193 ps) @ 2,200 rpm
Net Power	128 kW (172 hp / 174 ps) @ 2,200 rpm
Blade Width	3,960 mm
Maximum Speed	40 km/h
Draw Bar Pull	80 kN
Operating Weight	15,500 kg

4180D MOTOR GRADER

4180D SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Manufacturer	Cummins
Model	6BTAA5.9-C190
Rated Power	142 kW (190 hp / 193 ps) @ 2,200 rpm
Net Power	128 kW (172 hp / 174 ps) @ 2,200 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	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 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	80 kN
Cutting Pressure	7,600 kg

TANDEM DRIVE PERFORMANCE

Height	600 mm
Width	210 mm
Center Distance	1,538 mm

MOLDBOARD PERFORMANCE

Bank Cut Angle	28~74°
Moldboard Lift Above Ground	600 mm
Moldboard Side Shift, left/right	645 / 755 mm
Maximum Sloping Angle	90°
Cutting Depth	680 mm
Circle Rotation	360°
Circle Diameter	1,455 mm
Circle Thickness	140 mm

DIMENSIONS

A Overall Length - At Max. Lifting Level	10,816 mm
B Overall Length - At Max. Digging Level	10,805 mm
C Overall Length - At Ground Level	11,140 mm
D Overall Height with Cab	3,380 mm
E Width - Dozer	2,740 mm
F Width - Outside Tires	2,600 mm
Wheelbase	6,230 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

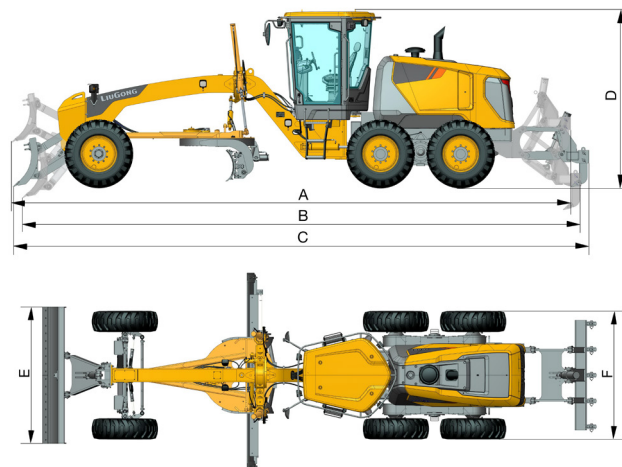
Operating Weight	15,500 kg
------------------	-----------

SERVICE CAPACITIES

Fuel Tank	348 L
Engine Oil	18 L
Cooling System	35 L
Hydraulic Reservoir	165 L
Transmission and Torque Converter	33 L
Axle oil	83.5 L

OPTIONAL EQUIPMENT

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



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

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.

01/2021 Designed by LiuGong
Replace the previous versions of 06/2020