



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

# 4180D MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

# 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 |
| 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

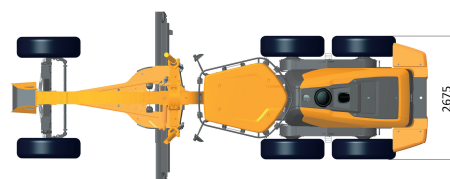
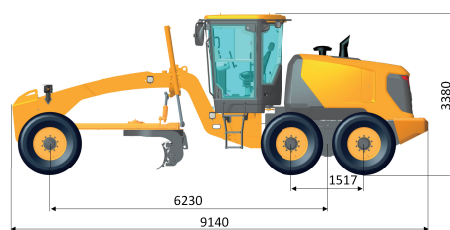
|                  |           |
|------------------|-----------|
| Operating Weight | 16,050 kg |
|------------------|-----------|

## 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



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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.

01/2024 Designed by LiuGong  
Replace the previous versions of 02/2023