



\*Featured machines in photo may include additional equipment.

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Engine</b>           | Cummins 6BTAA5.9-C160                |
| <b>Rated Power</b>      | 118 kW (158 hp / 160 ps) @ 2,200 rpm |
| <b>Blade Width</b>      | 3,660 mm                             |
| <b>Maximum Speed</b>    | 42 km/h                              |
| <b>Draw Bar Pull</b>    | 69 kN                                |
| <b>Operating Weight</b> | 12,600 kg                            |

# 4140D MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

# 4140D SPECIFICATIONS >>>

## ENGINE

|                     |                                      |
|---------------------|--------------------------------------|
| Emission Regulation | Tier 2 / Stage II                    |
| Manufacturer        | Cummins                              |
| Model               | 6BTAA5.9-C160                        |
| Rated Power         | 118 kW (158 hp / 160 ps) @ 2,200 rpm |
| Maximum Torque      | 670 N·m @ 1,500 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 | 42 km/h                      |
| Maximum Travel Speed, rev | 26.5 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   | 6,900 mm              |
| Steering Angle           | ±50°                  |
| Frame Articulation Angle | ±27°                  |

## BRAKES

|                        |            |
|------------------------|------------|
| Service Brake Type     | Drum brake |
| Service Brake Location | Rear axle  |

## TIRES

|           |          |
|-----------|----------|
| Tire Size | 13.00-24 |
|-----------|----------|

## HYDRAULIC SYSTEM

|                      |           |
|----------------------|-----------|
| Main Pump Type       | Gear      |
| Main Relief Pressure | 20 MPa    |
| Main Pump Flow       | 122 L/min |

## WORKING CAPACITIES

|                   |          |
|-------------------|----------|
| Maximum Draw Pull | 69 kN    |
| Cutting Pressure  | 6,000 kg |

## TANDEM DRIVE PERFORMANCE

|                 |          |
|-----------------|----------|
| Height          | 560 mm   |
| Width           | 210 mm   |
| Center Distance | 1,540 mm |

## MOLDBOARD PERFORMANCE

|                                  |              |
|----------------------------------|--------------|
| Bank Cut Angle                   | 28~74°       |
| Moldboard Lift Above Ground      | 520 mm       |
| Moldboard Side Shift, left/right | 565 / 605 mm |
| Maximum Sloping Angle            | 90°          |
| Cutting Depth                    | 600 mm       |
| Circle Rotation                  | 360°         |
| Circle Diameter                  | 1,265 mm     |
| Circle Thickness                 | 130 mm       |

## DIMENSIONS

|                              |          |
|------------------------------|----------|
| Wheelbase                    | 5,930 mm |
| Overall Length               | 8,660 mm |
| Overall Width                | 2,560 mm |
| Overall Height with Cab      | 3,350 mm |
| Clearance under Front Axle   | 577 mm   |
| Moldboard Standard Length    | 3,660 mm |
| Moldboard Standard Thickness | 19 mm    |
| Moldboard Standard Height    | 570 mm   |

## OPERATING WEIGHTS

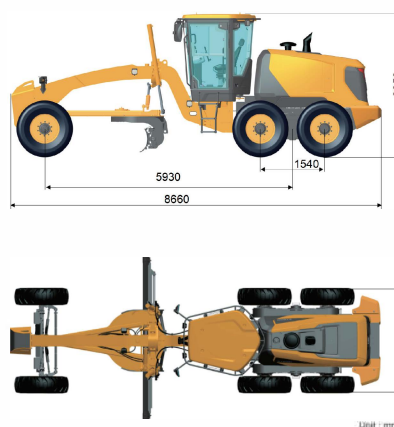
|                  |           |
|------------------|-----------|
| Operating Weight | 12,600 kg |
|------------------|-----------|

## 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



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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.

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Replace the previous versions of 03/2023