

# 685D Motor Grader

**LeeBoy**



Designed with the functionality of a large motor grader, the more compact 685D can be used in many versatile and specialized applications including spreading base materials, ditch/shoulder projects, fine grading, medium cutting or even snow removal. The noticeable power provided by a Cummins engine merged with smooth transition and hydrostatic-controlled drive, makes this motor grader an all-around must have on any job site. Whether you decide a cab or canopy suits your needs, you can rest assured your visibility will remain unobstructed.

## Performance Features:

- 130 hp (97 kw) Cummins Tier 4 Final Diesel Engine
- 11' (3.35 m) Moldboard
- Moldboard Shifts 3' (.91 m) left or right
- Hydrostatic Transmission, 2-Speed Tandem Axle
- Tandem Drive
- Electronic Gauge Package
- Fail Safe Braking
- ROPS/FOPS Cab or ROPS/FOPS Canopy
- Cushioned, Fully Adjustable Suspension Seat
- Vandalism Protection Package
- Front or Rear Mounted Scarifier Optional



# 685D Motor Grader Specifications



Dimensions	<ul style="list-style-type: none"> <li>- Length: 22' 3" (.8 m)</li> <li>- Width: 7' 8" (2.33 m)</li> <li>- Height (w/ cab and beacon): 10' 2" (2.9 m)</li> <li>- Wheel base: 16' 1" (4.9 m)</li> <li>- Base weight: 16,000 lbs. (7,257 kg)</li> </ul>
Engine	Cummins turbocharged diesel, Tier 4 Final – 130 hp (97 kw)
Capacities	<ul style="list-style-type: none"> <li>- Fuel: 45 gallons (170 l)</li> <li>- Hydraulic reservoir: 30 gallons (114 l)</li> </ul>
Moldboard	<ul style="list-style-type: none"> <li>- 11' x 21" x 5/8" (3.35 m x .533 m x 15.87 mm)</li> <li>- Side shift: 3' (.92 m) left or right</li> <li>- Tilt: 30°</li> <li>- Ground clearance: 13" (.33 m)</li> <li>- Penetration: 1' 2" (.36 m)</li> <li>- Rotation: 64°</li> </ul>
Drawbar	- 4" x 6" tube (101 mm x 152 mm)
Articulated Frame	- Steel channel, rectangular tubing, articulated 24° in each direction
Turning Radius	- 22' (6.71 m) from center to outside front tire with frame articulated
Traction Drive	<ul style="list-style-type: none"> <li>- Hydrostatic drive, 2-speed tandem axle</li> <li>- Working range: 0 to 10 mph (0 to 16 kph)</li> <li>- Travel range: 0 to 20 mph (0 to 32 kph)</li> <li>- Tandems oscillate a minimum of +/- 15°</li> </ul>
Tires	<ul style="list-style-type: none"> <li>- Six 15 x 19.5, TL, G-2</li> <li>- 8-ply pneumatic tires</li> </ul>
Brakes	<ul style="list-style-type: none"> <li>- Foot operated primary and service brakes</li> <li>- Hydrostatic traction drive system includes secondary brakes</li> <li>- Spring apply, hydraulic release parking brakes automatically apply when ignition is in "off" position or if system pressure is lost</li> </ul>

Operator's Station	<ul style="list-style-type: none"> <li>- Fully cushioned, adjustable suspension seat</li> <li>- Choice ROPS/FOPS cab or ROPS/FOPS canopy</li> <li>- Cab includes heat, front wiper, front washer and defroster</li> <li>- Two external convex 7.5" (190 mm) diameter side mirrors, single rear view mirror</li> <li>- Display: coolant and hydraulic oil temperature, fuel level, volt meter, tachometer, hour meter, DEF level, percent engine load, engine diagnostics</li> </ul>
Operator's Controls	<ul style="list-style-type: none"> <li>- Industry-standard control levers mounted to an adjustable operator's pedestal</li> <li>- Left and right-hand moldboard lift, front attachment lift, moldboard side shift, circle side shift, moldboard tilt, circle turn, articulation, front wheel lean and rear-mount scarifier control</li> </ul>
Rear Hitch	- 15-ton, heavy-duty, forged rear pintle hitch
Lighting	<ul style="list-style-type: none"> <li>- Two rear working lights</li> <li>- Two front moldboard lights</li> <li>- Two front headlights, signals, flashers</li> <li>- Two rear tail lights, signals</li> <li>- Amber strobe beacon</li> </ul>
Optional Equipment	<ul style="list-style-type: none"> <li>- All-wheel drive</li> <li>- Air conditioning (cab only)</li> <li>- Front-mounted V-bar scarifier, includes blade float control</li> <li>- Rear-mounted scarifier, 9 ripper shanks w/ teeth</li> <li>- 8' (2.43 m) front blade, includes blade float control</li> <li>- Front blade mounted flip-down 4 shank scarifier</li> <li>- Dead engine steering</li> <li>- Cold weather engine package</li> <li>- Rear wiper and washer (cab only)</li> <li>- 12' (3.65 m) moldboard</li> <li>- Circle side shift</li> <li>- Radio/CD/Bluetooth speakers with remote</li> <li>- Back-up/reverse camera with color display</li> <li>- Topcon ready</li> </ul>



ST Engineering LeeBoy, Inc. ■ 500 Lincoln County Parkway Extension ■ Lincolnton, NC 28092 ■ 704.966.3300  
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