

# 685C Motor Grader

# LeeBoy



## Performance Features:

Designed with the functionality of a large motor grader, the more compact 685C 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 detectable power provided by a Cummins engine merged with smooth transition and 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.

- 110 hp (82 kw) Cummins Tier 3 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
- Five-Tooth Rear Scarifier (Space for Nine Teeth)
- ROPS/FOPS Cab or ROPS Canopy Configurations
- Cushioned, Fully Adjustable Suspension Seat
- Vandalism Protection Package



# 685C Motor Grader Specifications



Dimensions	<ul style="list-style-type: none"> <li>- Length: 23' 4" (7.11 m)</li> <li>- Width: 7' 8" (2.33 m)</li> <li>- Height (w/ cab and beacon): 9' 11" (3.02 m)</li> <li>- Wheel base: 16' 1" (4.9 m)</li> <li>- Front axle ground clearance: 12" (.305 m)</li> <li>- Total Weight: 17,000 lbs. (7,711 kg)</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 applied, hydraulic release parking brakes automatically actuated when ignition is in "off" position or if system pressure is lost</li> </ul>
Engine	Cummins turbocharged diesel, Tier 3 – 110 hp (82 kw)	Operator's Station	<ul style="list-style-type: none"> <li>- Fully cushioned, adjustable suspension seat</li> <li>- Choice of ROPS/FOPS cab or ROPS 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>- Gauge package: coolant and oil temperature, fuel level, volt meter and tachometer</li> </ul>
Capacities	<ul style="list-style-type: none"> <li>- Fuel: 31 gallons (117 l)</li> <li>- Hydraulic reservoir: 27.5 gallons (104 l)</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 blade lift, moldboard side shift, moldboard tilt, circle turn, articulation, front wheel lean and rear-mount attachment control</li> </ul>
Moldboard	<ul style="list-style-type: none"> <li>- 11' x 1' 6" x 5/8" (3.35 m x .457 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>	Rear Hitch	- 15-ton, heavy-duty, forged rear pintle hitch
Drawbar	- 4" x 6" tube (101 mm x 152 mm)	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>
Rear Mounted Scarifier	<ul style="list-style-type: none"> <li>- Five-tooth rear scarifier (space for nine teeth)</li> <li>- Hydraulically raised and lowered</li> </ul>	Optional Equipment	<ul style="list-style-type: none"> <li>- Air conditioning</li> <li>- Rear wiper and washer (cab only)</li> <li>- Radio, CD, speaker (cab only)</li> <li>- Front-mount scarifier</li> <li>- 8' (2.43) front blade</li> <li>- Dead engine steering</li> <li>- Cold weather package</li> <li>- 12' (3.65 m) moldboard</li> <li>- Circle side shift</li> </ul>
Articulated Frame	- Steel channel, rectangular tubing, articulated 24° in each direction		
Turning Radius	- 27' 1" (8.25 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>		



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