

LeeBoy

MOTOR GRADER

785_{XL}2



CUMMINS 6BTAA5.9 - 150 C | SIX-FORWARD, THREE REVERSE, AUTOMATIC POWER SHIFT TRANSMISSION | NO-SPIN DIFFERENTIAL TANDEM AXLE | OPERATING WEIGHT 13,200 KG
12-FEET MOLDBOARD | ERGONOMICALLY DESIGNED CABIN WITH HVAC AND EXCELLENT VISIBILITY | CENTRALIZED ELECTRONIC DISPLAY

SPECIFICATIONS

MOTOR GRADER 785_{XL}2

The LeeBoy Motor Graders are all about high torque, performance and reliability. This cutting edge technology is powered to do anything from building a road and cutting a ditch to moving earth, doing site work and fine grading. It is backed by the cutting-edge LeeBoy technology with proven expertise in the US for five decades.

ENGINE

Model Cummins 150 hp @ 2200 rpm,
(Model 6BTAA 5.9 -150 C, BS III certified)

HYDRAULICS

Type Axial Piston Pump with load independent
post compensated valve.
Over-centre valves on all functions.

Pump Flow | Pressure Setting
143 lpm @ 2200 rpm

TRANSMISSION

Automatic Power-shift transmission.
Direct Drive (ZF). 6 Forward - 3 Reverse.

SPEEDS

Gear	Forward (km/h)	Reverse (km/h)
1st	4.6	4.9
2nd	7.2	11.6
3rd	11.71	27
4th	17	-
5th	25.6	-
6th	39.5	-

CAPACITIES

Fuel Tank 190 Litres
Cooling System 21 Litres
Crankcase 15 Litres
Hydraulic oil 190 Litres

TANDEM DRIVE

Welded box construction
Oscillation: 20° in each direction

FRONT AXLE

Type Fully welded steel structures for torsional
strength, oscillates on a single, center pivot pin

Oscillation Angle 10° on each side.

Wheel lean 17° on each side.

REAR AXLE

Type Heavy duty Tandem Axle with central
Planetary reduction, with no-spin differential.
All four wheel hubs are fitted with
maintenance-free, oil-immersed disc brakes

ARTICULATION

40° Total (20° each way)

STEERING

Type Hydraulic Power Steering

Turn circle diameter Straight Frame -19.2 m
Articulated -14.6 m

Steering Arc 45°

Frame Articulation 20°

ELECTRICAL

Voltage 24 Volts, negative ground

Alternator 90 amp

Batteries 800 cca heavy-duty, gel type batteries
(can be tilted 180° without spillage)

SPECIFICATIONS



CAB & CONTROLS

- Ergonomically designed cabin with HVAC
- Hydraulic pilot-operated valves
- Interactive diagnostic with programmable inter-locks
- Advanced electronic gauge display
- Rear-view camera for enhanced visibility

WHEELS & TYRES - Tyre size 14 x 24

FRAME

Fully welded box section, Rear frame with modular powertrain mounting for ease of service.

DRAWBAR

Rectangular bar section, Narrow T design permits optimum visibility of the work area.

CIRCLE DRIVE

Type	Hardened teeth, cut on the inside of the circle for maximum leverage & minimum wear.
Rotation	360°

BRAKES

Service brake	Foot operated hydraulically actuated Dual independent valve circuit for increased safety, fully sealed and maintenance free.
Parking brake	Spring Applied Hydraulic Release (SAHR) failsafe parking brake

OPERATING WEIGHT 13,200 Kg

(Weight calculated for standard machine with 12' moldboard, front scarifier fully fueled and operator)

- Front axle weight : 3,000 kg
- Rear axle weight : 10,200 kg

FRONT SCARIFIER

Width	3.83 feet (1.168m)
Maximum digging depth	1.15 feet (0.349 m) below grade
Lift above ground	1.97 feet (0.6 m)
Teeth	6 nos. provided as standard with facility for 11 nos.
Weight	600 kg

MOLDBOARD

Width	12 feet (3m)
Height	1.62 feet (0.495m)
Blade Tilt	36° forward
Maximum bank sloping angle	
Left - Right	90°
Blade reach	2.46 feet (0.750m) below grade
Side-shift (total)	5 feet (1.524m)
Lift above ground	1.25 feet (0.381m)
Rotation	360°



FRONT DOZER (OPTIONAL)

Width	8 feet (2.4m)
Curved Height	2.11 feet (0.64m)
Digging depth	0.63 feet (0.191 m)
Lift above ground	2.48 feet (0.754m)
Weight	830 kg

REAR RIPPER CUM SCARIFIER (OPTIONAL)

Width	6.35 feet (1.95m)
Maximum digging depth : Scarifier	1 feet (0.32 m) below grade
Maximum digging depth : Ripper	1.48 feet (0.45 m) below grade
Lift above ground	2.30 feet (0.7 m)
Scarifier Teeth	6 nos. provided as standard with facility for 9 nos.
Ripper Teeth	3 nos. provided as standard with facility for 5 nos.

PUSHBLOCK Front mounted (OPTIONAL)

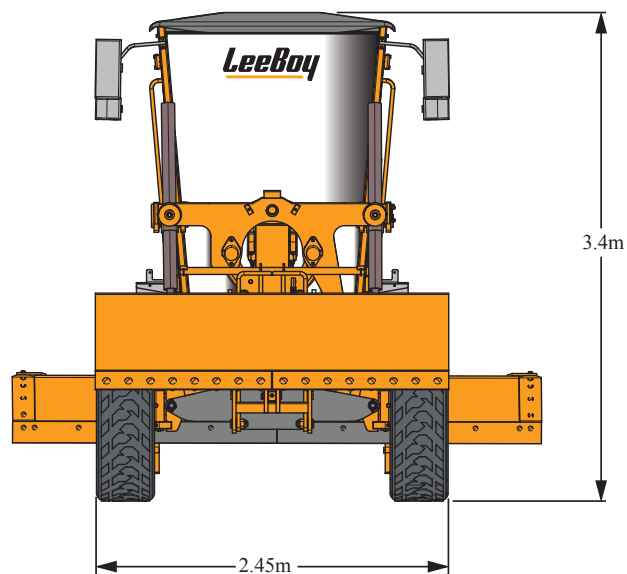
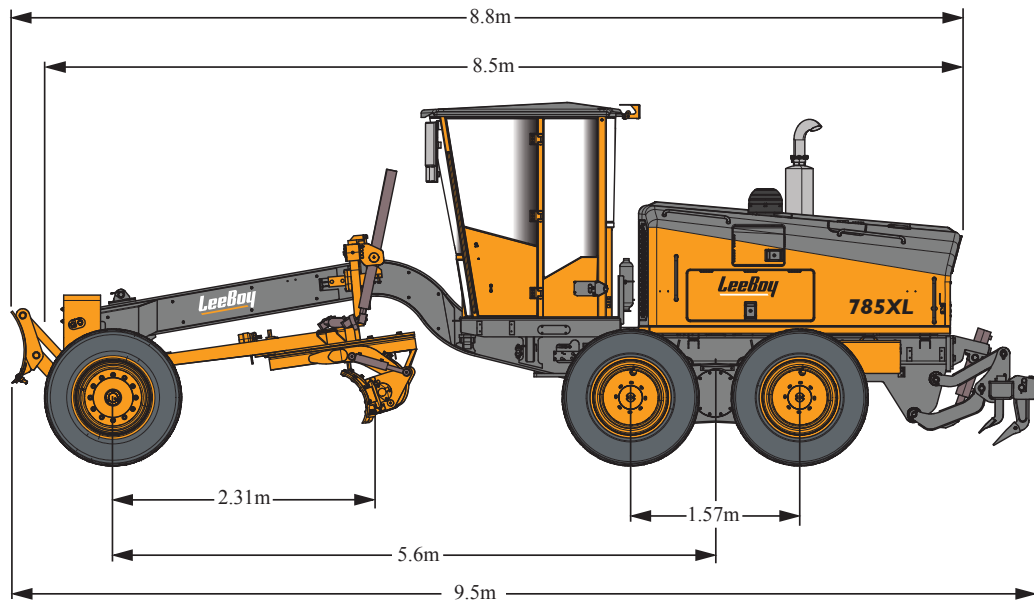
Weight	530 kg
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INSTA - i TELEMATICS

- LeeBoy's customized telematics solution from Trimble, USA
- For location, machine health and working data monitoring system
- Monitor critical parameters like utilization, fuel level and machine location via google maps across multiple sites
- Mobile alerts enabled for instant real-time data



DIMENSIONS



LeeBoy

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