

# LEEBOY 985

# MOTOR GRADER

CUMMINS 6BTAA 5.9 – 173 C ENGINE | SIX FORWARD, THREE REVERSE AUTOMATIC POWER-SHIFT TRANSMISSION | NO-SPIN DIFFERENTIAL TANDEM AXLE | 15,200 KG OPERATING WEIGHT | 12-FOOT MOLD BOARD | FRONT DOZER | MID-MOUNTED SCARIFIER | REAR RIPPER | ERGONOMICALLY DESIGNED CABIN WITH HVAC & EXCELLENT VISIBILITY | CENTRALIZED ELECTRONIC GAUGE DISPLAY



***LeeBoy***

# TECHNICAL SPECIFICATIONS OF THE LEEBOY MOTOR GRADER 985



## ENGINE

Model Cummins 173 hp @ 2500 rpm,  
(Model 6BTAA 5.9 – 173 C BSIII certified)

## HYDRAULICS

Type Variable Piston Pump with  
Post Compensated load  
Independent Valve

Pump Flow / Pressure Setting  
160 litres / 220 Bar

## TRANSMISSION

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

Speed 43 kmph F / 30 kmph R

## 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 (34° total).

## REAR AXLE

Type Heavy duty Trandem 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).

## CAPACITIES

Fuel Tank 300 Litres

Hydraulic Reservoir 100 Litres

## 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

## STEERING

Type Hydraulic Power Steering

Turn circle diameter • Straight Frame – 20.8 m  
• Articulated – 16.6 m

Steering Arc 45°

Frame Articulation 20°

## 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°

## ELECTRICAL

Voltage 24 Volts, negative ground

Alternator 90 amp

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

## 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



## OPERATING WEIGHT

15,200 Kg

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

- Front axle weight : 4,400 kg
- Rear axle weight : 10,800 kg

## MOLDBOARD

### (12 Ft Standard. 14 Ft Optional)

Width	12 feet (3 m)
Height	1.62 feet (0.495 m)
Blade Tilt	40° forward and 5° backward
Maximum bank sloping angle	Left – Right 90°
Blade reach	2.44 feet (0.744 m) below grade
Side-shift (total)	5 feet (1.524 m)
Lift above ground	1.53 feet (0.467 m)
Rotation	360°

## 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

## 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 (1.95 m)
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.



## MID-MOUNTED SCARIFIER (OPTIONAL)

Width	3.83 feet (1.17 m)
Maximum digging depth	0.95 feet (0.29 m) below grade
Lift above ground	0.80 feet (0.24 m)
Teeth	6 nos. provided as standard with facility for 11 nos.

<b>PUSHBLOCK</b>	Front mounted Pushblock
Weight	530 kg

## FRONT SCARIFIER

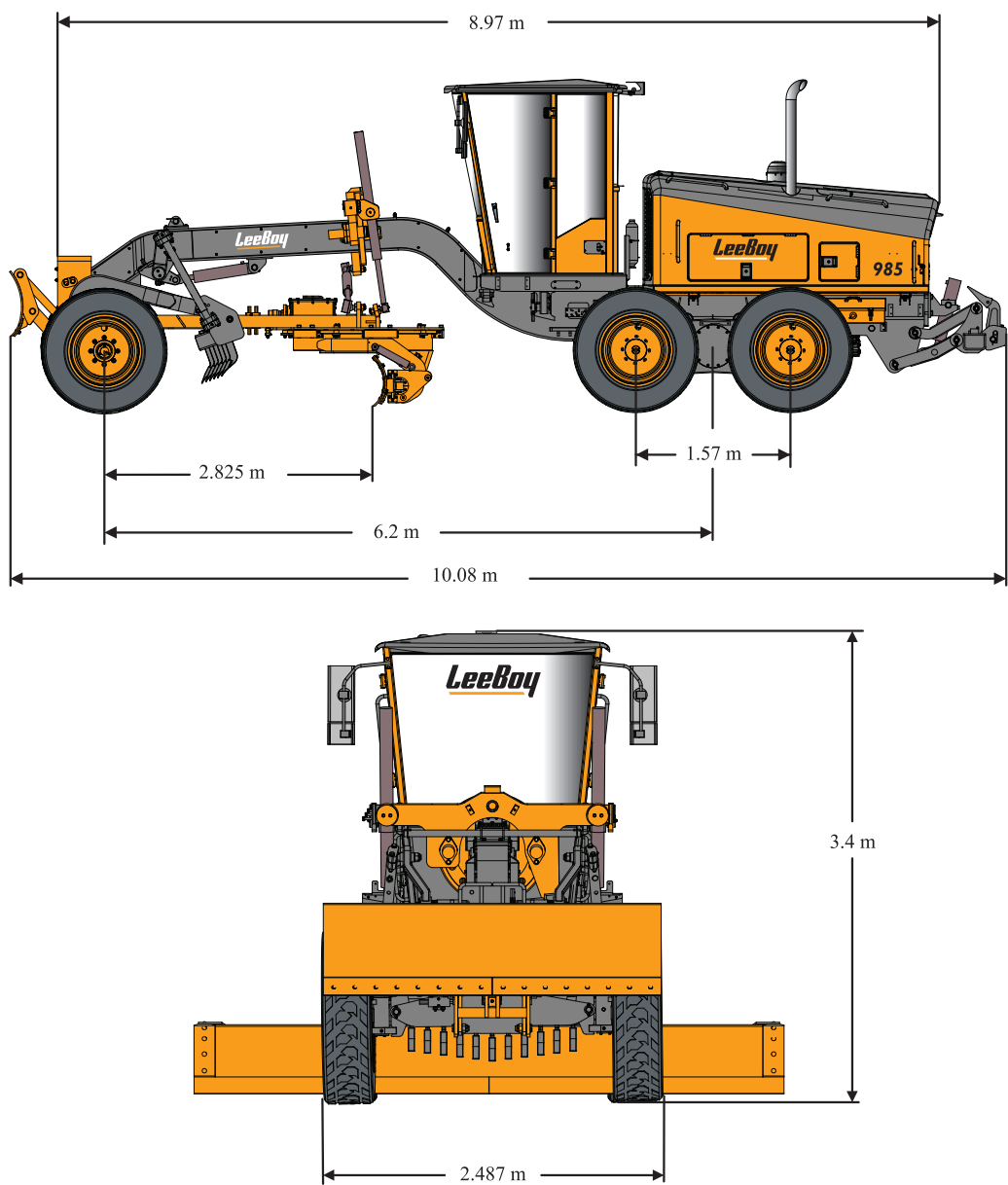
Width	3.83 feet (1.168m)
Maximum digging depth	1.15 feet (0.349 m) below grade
Lift above ground	1.97 feet (0.6 m)
Teeth	6 nos. provided as standard with facility for 11 nos.
Weight	600 kg

## 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**

LeeBoy India Construction Equipment Private Limited,  
Plot # 289-292, Bommasandra Jigani Link Road, KIADB Industrial Area,  
Jigani Hobli, Anekal Taluk, Bangalore-560105 India. Ph: +91 80 6742 5500  
Email: [sales@leeboyindia.com](mailto:sales@leeboyindia.com) Visit: [www.leeboy.com](http://www.leeboy.com)

Please contact your LeeBoy Distributor:

Bangalore: +91 80 6742 5500	Singapore	USA
Delhi: +91 11 4104 8411	+65 6264 5895	+1 704 966 3300

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