



# MOTOR GRADERS

845B | 865B | 885B



**Case Delivers Full-Service Solutions**

**EQUIPMENT | FINANCING | PARTS & SERVICE**

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## State-of-the art technology with case brand guarantee.

Case is committed to always be in the forefront of the technology, productivity, comfort and low operating cost. In short: outstanding results. With this in mind, Case developed the 800B Series motor graders, an innovative design that combines state-of-the-art engineering with the most advanced technological and ergonomic concepts.

The series 800B motor graders deliver high performance and excellent productivity in all three models: 845B, 865B and 885B. All of them come with a fuel-saving, high-power and high-torque engine. And the harmonious round-shaped flip-up hood enables easy access to the main components and all-around visibility, especially when operating with rear attachments.

The moldboard has a multi-radius roll-away profile that allows effortless cutting, as the cut material is rolled off the moldboard instead of being pushed. The outcome is reduced effort with the consequent lower power requirement, lower fuel consumption and extended component life.

Moreover, outstanding design characteristics of the 800B Series graders include a front articulation and a spacious, comfortable cab with ergonomic levers and controls.

The 800B Series graders bring the guarantee of Case brand, a worldwide recognized and unrivalled brand.





## **Engine.** **High power along with low consumption.**

The 800B Series motor graders come with an easy-to-maintain turbocharged high-performance Tier 3 engine.

845B and 885B DHP (Dual Horsepower) and 865B VHP (Variable Horsepower) improve fuel efficiency and a greater performance.



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## Transmission.

### Extra efficiency and accuracy in any job.

The 800B Series motor graders are fitted with Powershift transmission and electronic gear shift control. It features 6 forward and 3 rear speeds, and an inching pedal that gives the operator creep control. This transmission enables full utilization of the engine power, low fuel consumption and excellent accuracy and efficiency in jobs that demand precise grading.

The inching pedal controls the clutch pack modulation. In situations that require higher operator's sensitiveness and skill, this feature provides precise control over all work stages. This kind of transmission is electronically controlled through one single pulse-engaging lever. The operation is made simple and comfortable with this easy-to-handle transmission, without slackness for direction (forward/rear) and speed selection.

The modulating valve system engages the gears in a progressive, impactless way, which ensures soft operation and high service quality.

In all models the transmission is based on the torque converter system. It works like a direct drive transmission when you push the lock-up switch. Thus, Case offers you two types of transmission for the same machine, so that you can select the best option to match your job requirements. This transmission enables you to operate in the automatic gear shift mode (without the inching pedal), which makes the work softer and more ergonomic.





### **Electronic control unit (ECU)**

The ECU electronic processor manages all the operating data for optimized transmission operation, with the resulting increased productivity, longer machine life and operator comfort. The diagnostic system detects failures and displays them through a code in the panel using a laptop connection.

### **“Go Home”**

The 800B Series motor graders come with the Go Home device, which allows the operator to drive the machine to a suitable maintenance site in case of failure. This avoids the machine from stopping in inappropriate places.



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## Axles.

### Robustness for heavy duty applications.

The robust axles of the 800B Series motor graders ensure more efficient power transfer to the ground. The front axle is a welded steel structure with high-strength cast iron parts. Its straight geometry provides 580 mm ground clearance over the whole axle length. The front wheels angle 20° left or right and oscillate 15° to each side to follow the terrain contour.

The cast iron rear axle and the tandem structure manufactured from welded square steel shapes are designed to afford the most severe duties. The tandem oscillates 20° to each side.

The 845B grader model is equipped with proportional torque differential and limited-slip system. As an option, it may come with standard electro-hydraulic differential locking. The electro-hydraulic differential locking is standard in the 865B and 885B models.

## Brakes.

The brakes are of the self-adjustable oil bath multi-disc type and they have dedicated circuits for each side of the rear axle, which results in longer life and enhanced efficiency and accuracy.

For extra safety, the braking system has two nitrogen buffer reservoirs, one for each circuit. They allow the operator to brake the machine in case of hydraulic failure or if the diesel engine switches off. The parking disc brakes are integrated into the transmission.



## **Steering system.**

### **Safety and versatility for safe operations.**

The Orbitrol type hydrostatic steering system is fed by gear pumps and it features 48° steering angle for both sides. The frame articulates 25 degrees right or left through a hydraulic actuation system fitted with locking system. The resulting 7.25 m turning radius enables the operator to easily carry out services in restricted areas and faster sinuous operations. An auxiliary steering wheel knob gives the operator extra maneuverability.

## **Hydraulic system.**

### **Total accuracy and reliability in any maneuver.**

The Load and Flow Sense hydraulic system means that the pump will deliver hydraulic fluid only when the operator actuates one of the control levers. When there is no hydraulic demand the pump takes minimum power from the engine and the hydraulic system operates at lower temperatures, thus saving fuel consumption.

The 845B model comes with a standard gear pump, whereas the 865B and 885B versions feature variable displacement axial piston as standard item.

Moreover, the 800B Series motor graders are fitted with a closed-center hydraulic manifold with nine circuit sections. It's located under the operator's platform, which provides extra protection and enables new accessories to be attached without the need for adding new hydraulic sections to the manifold.

## **Electric system.**

The 24-Volt electric system is fed by two maintenance-free 12-Volt 100-Ah batteries. They are connected in series in an easily accessible place. A full set of front and rear lights, plus working lights on the blade, provide excellent lighting conditions in every direction of the worksite.





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## **Cab.** **Comfort allied to ergonomics for improved productivity.**

The 800B Series motor graders come with closed ROPS/FOBS cab and offer all-around visibility, plenty of space and excellent comfort.

All the controls are ergonomically arranged. The adjustable steering column can be regulated according to the operator's working position. The instrument panel monitors vital functions and keeps the operator always updated on the machine operating parameters.





## **Attachments.**

### **Versatility means increased productivity.**

#### **MOLDBOARD**

The best-in-class moldboard of the 800B Series motor graders provides exceptional cutting capacity. Built from high abrasion resistant high-carbon steel, the moldboard has a multi-radius roll-away profile that makes earthmoving a much easier task and minimizes machine stress. Its especially designed shape rolls the material off the moldboard in an effortless wave.

The outcome is reduced power and fuel consumption, and extended component life. The moldboard circle turns up to 360 degrees to accommodate any kind of job.

#### **SCARIFIER / RIPPER / DOZER BLADE**

You can extend the capabilities and versatility of your 800B Series Case motor grader with a range of attachments. You may choose between the standard 5-teeth front scarifier and the optional 11-teeth scarifier. A dozer-type front blade is exchangeable with the scarifier.

In addition, the following rear attachments are available for the 800B Series graders:

- model 845B: 5-teeth rear ripper;
- models 865B and 885B: rear ripper with 3 to 5 teeth and rear scarifier with 5 to 9 teeth



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## You can count on Case.

You can count on Case and your Case dealer for full-service solutions – productive equipment, expert advice, flexible financing, genuine Case parts and fast service. We're here to provide you with the ultimate ownership experience.

### Case pride.

You can take pride in the Case name on your machine. It's backed by more than a century of productivity and performance. Case and your Case dealer are here for you, not only when you buy the machine, but also after you put 1,000 or 10,000 hours on it.

### A rich, proud history.

Case Construction Equipment's heritage spans more than 165 years. Growing from J.I. Case's innovations with steam-powered machinery in the late 1800Bs, Case developed road-building equipment that helped create early 20th century streets and highways across the world. By 1912, Case was well on its way to establishing itself as a full-line equipment manufacturer. The company continued to expand its construction equipment business over the years.

### Celebrating a tradition of innovation.

In 1957, Case produced the world's first integrated loader/backhoe made and warranted by one manufacturer. Over the decades and into the 21st century, Case has continued to develop a long line of industry firsts and has taken a leadership role in pioneering new products and solutions. Today, Case produces 15 lines of equipment and more than 90 models to meet your toughest construction challenges. Supported by manufacturing and sales in more than 150 countries, Case serves the needs of our customers worldwide.

### Coast-to-coast customer support.

In Brazil, CASE equipment is sold and serviced by a skilled team of professionals with a strong dealer network across the country that ensures the best customer support.

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	<b>845B</b>
Gross power (SAE J1995)	150 / 173 hp
Operating weight	15.000 kg
Blade width (standard)	3.658 mm (12')

	<b>865B</b>
Gross power (SAE J1995)	193 / 205 / 220 hp
Operating weight	15.870 kg
Blade width (standard)	3.658 mm (12')

	<b>885B</b>
Gross power (SAE J1995)	220 / 234 hp
Operating weight	17.050 kg
Blade width (standard)	4.267 mm (14')



Case reserves the right to make changes in specifications without notice and without incurring any obligation to install them on previously sold units. Specifications descriptions and illustrative material herein are as accurate as known at the time of publication, but they may be changed without notice. The illustrations may include optional equipment and accessories and may not include all standard equipment.

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