

# 800

**800 SERIES MOTOR GRADERS**  
**845DHP | 865VHP | 885**

**CASE**  
CONSTRUCTION



# 800 Series

## CUSTOMER SUPPORT



Your dealer's factory-trained technicians keep your equipment running so you can focus on your business.

### The Case dealer: Your professional partner

Your success starts with world-class Case machinery and attachments. Your Case dealer will help you work smarter and faster by selecting equipment that delivers performance and operator comfort. Your dealer has the knowledge and experience necessary to help you choose the right attachments so you can...

- Work faster and extend equipment life.
- Increase machine utilization.
- Increase your capabilities.

Let your Case dealer service your machine on the jobsite, so you'll be back on the job faster. Advantages include...

- Responsive job site service to keep your equipment running.
- Increase machine uptime.
- Certified service staff and improved parts availability.

Manage your equipment better. Case Care<sup>SM</sup> is a prepaid maintenance plan designed especially for your machine. Factory-trained Case technicians perform routine

inspections and regular service to prevent problems. Other plans, such as the Machine Protection Plan<sup>SM</sup>, can be purchased to extend protection beyond the base warranty. Add the GlobalTRACS<sup>®</sup> Fleet Management Communications System to give you the information to better manage your fleet while protecting it against theft.

Ask your local Case dealer about adding value to your machine and peace of mind to your workday with these helpful products.





Low-effort control levers are positioned within easy reach and extended for operator comfort.



Floor-to-ceiling cab glass provides a clear view of the moldboard and superior all-around visibility.

## OPERATOR ENVIRONMENT

### Comfort and visibility

Case designed the 800 Series Motor Grader cab for operator comfort and productivity. Industry-standard control patterns and a deluxe suspension seat with lumbar control will make any operator comfortable and productive. All-around visibility is aided by 85 square feet of floor-to-ceiling glass, a sloping rear hood, tinted glass, front and rear sunshades and breakaway heavy-duty side mirrors. The Isomount® cab reduces noise and vibration, lessening distractions and reducing fatigue.

The cab is positioned to provide the clearest sight lines to the moldboard and tires for precise blade positioning and operation.

The steering column and wheel tilt for maximum comfort. Closed-center, load-sensing hydraulics make the grader controls easy to feather for changing job conditions. The single-lever transmission control has a bump-style shift feature that moves easily between eight forward gears and four reverse gears. The operator has easy access to gauges and switches on the instrument panel

built into the steering column. Grader functions are electronically monitored to provide instant information on fluid pressures, coolant temperature and more.

Cab temperature, airflow and comfort are optimized by a filtered high-capacity heater/defroster, air conditioning and pressurization system. Left and right cab doors can be locked in open position for cross-ventilation and released with a foot-level latch.



All important machine functions are monitored with dash-panel warning lights.



Analog gauges, attachment control, idle management, and diagnostic control are within easy reach.



# 800 Series

## PRODUCTIVITY



Front wheels lean for traction and moldboard control.

### Power and control

Many design factors are part of making productive road machines like Case 800 Series Motor Graders. It all starts with the clean, modern-styled machine. Obstructions are minimized with hoses guarded for optimum protection, yet easily accessible. The hallmark Case sloping hood provides excellent visibility to the rear. The cab design and front articulation joint give the operator a clear view to the circle, moldboard and tires. A powerful lighting package delivers extra visibility in dark, stormy or snowy conditions.

Rugged construction provides the strength to handle any job conditions. The rugged front A-frame drawbar and high-strength circle provide plenty of stability. The motor turns the circle up to 360 degrees for maximum turning ability. The moldboard pitches, tilts and moves laterally to match site demands. Optional extensions can add two feet (0.6 m) to each end of the blade. The lockable, hydraulically-actuated five-position saddle allows the blade to tilt up to 90 degrees for shaping banks. The moldboard is made of high-carbon steel for long life, and its involute multi-radius design cuts, mixes and rolls material off the moldboard in an effortless wave.

Case motor graders articulate 25 degrees left or right, allowing the rear wheels and moldboard to be in the ditch pushing material while the front wheels remain on the road or bank for optimum balance. The front articulation joint provides a tight turning radius for accurate machine positioning and enables the operator to monitor the relationship between the front and rear of the machine. The front wheels angle 17.5 degrees left or right to provide counter-force to the blade and prevent side drift. The planetary rear axle has an operator-activated standard differential lock or optional limited-slip differential to provide maximum tractive effort — no matter what the conditions.

Powered by turbocharged six-cylinder Cummins engines, Case motor graders deliver up to 205 net horsepower (153 kW) and operating speeds up to 27 mph (40 kph). The powershift direct-drive transmission provides the flexibility for manual control to best match job conditions, or automatic shift when roading between job sites.

An inching pedal gives the operator creep control for precise grading or precisely set the engine RPMs through the standard idle management system.



Multi-radius involute moldboard design cuts, mixes, and rolls material off the moldboard with decreased effort. The design increases the volume of dirt moved with less horsepower required and increased fuel economy. The boron-reinforced blade provides longer life when compared to the competition.

### All wheel drive

Optional all wheel drive on the 865VHP and 885 motor graders gives the operator the choice of two modes of operation. Six wheel drive can be used to provide maximum machine control in adverse conditions. Creep mode — front drive only, is used when precise grading is required.

When snow plowing or cutting ditches, engage the front, hydrostatic drive for full six wheel engagement and maximum traction. Match the performance of the hydrostatic drive through variable adjustments of aggressiveness so that the front tires are either leading the rear tandems or lagging.

In creep mode, the machine is driven by the front axles only. This results in smooth starting and stopping for precision grading or operation in tight areas.



Powered by turbocharged, six-cylinder Cummins engines that deliver up to 205 net horsepower.



The A-frame drawbar and high-strength circle provide stability, power and maximum turning performance to the moldboard.



# 800 Series

## SERVICEABILITY

### Saving time and money

Case 800 Series Motor Graders lead the industry with ease of service and maintenance. Rated on an SAE index for maintenance and serviceability, They lead all major competitors. That means more productive time on the job. It all starts with the innovative one-piece tilt-up rear hood. One press on the lockable handle and you have instant access to the engine, filters and daily service points.

Convenient flip-down panels along the edge of the hood provide additional access. This design makes easy work of checking fluid sight gauges, battery and oil dipsticks. Access is also convenient for filter checks and fluid replenishment. The exclusive ground-level fuel fill with lockable cap means no more climbing on the tandems to reach the fill port. Hydraulic test ports are conveniently located below the left side of the cab.

To make managing service and maintenance even easier, Case offers Case Care, a service plan designed according to the maintenance specifications listed in the machine's operator's manual. With Case Care, your Case dealer will perform all the scheduled maintenance on the contracted machine for a specified period of time. The agreement can be customized to fit your needs and desired payment options.



Ground-level fuel fill saves time and boosts productivity.



All grease zerks are easily accessed from ground level to speed daily service duties and increase productivity.



A convenient service door located on the side of the cab allows easy access to electrical connectors without removing interior cab panels.



Drop-down side panels improve access to engine components and daily check points.

# ATTACHMENTS

## Do more with each pass

Extend the capabilities of Case Motor Graders with a range of attachments. Whether the job involves ripping up existing roadbed, breaking up hard-packed surfaces or plowing, Case has an attachment solution. Choose from a front scarifier with up to 11 teeth (five standard), rear ripper with up to five teeth (three standard) or a rear ripper/scarifier combination with up to nine scarifier teeth (five standard) and up to five ripper teeth

(three standard). A nine-foot-wide dozer blade is also available. Mold-board extensions will add up to two feet on each end of the blade.

For snow control, attachments will turn Case 800 Series Motor Graders into high-capacity plowing machines. Options include a V-plow for cutting a path and a snow wing for pushing snow far off the road.

For tight-precision grading, optional guidance systems provide unmatched control and laser-accurate grades. Guidance systems help get the most from each pass and use material more efficiently. See your Case dealer today to determine which options work best for you.



Rear ripper includes up to five teeth (three standard).



Front scarifier has up to 11 teeth (five standard).

Snow-control attachments include a wing for pushing material far off the road.



**800 SERIES MOTOR GRADER  
QUICK SPECS**

**845DHP**

Engine	140/160 net hp (104/119 kW)
Operating weight	29,777 lb (13 535 kg)
Standard moldboard	12 ft 0 in (3.7 m)

**865VHP**

Engine	180/190/205 net hp (134/142/153 kW)
Operating weight	32,077 lb (14 550 kg)
Standard moldboard	14 ft 0 in (4.3 m)
All wheel drive	Optional

**885**

Engine	205 net hp (153 kW)
Operating weight	37,950 lb (17 250 kg)
Standard moldboard	14 ft 0 in (4.3 m)
All wheel drive	Optional

NOTE: All engines meet current EPA emission regulations.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Case dealer/distributor will be able to give you details of the products and their specifications available in your area.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

© 2008 CNH America LLC. All rights reserved. Case is a registered trademark of CNH America LLC. Any trademarks referred to herein, in association with goods and/or services of companies other than CNH America LLC, are the property of those respective companies. Printed in U.S.A.

Contains 10% post-consumer fiber



**845DHP**



**865VHP**



**885 AWD**



**885**



Looking for product specs, customer testimonials, competitive comparisons, finance offers and more?  
Visit us at [www.casece.com](http://www.casece.com)

Form No. CCE4160803  
Replaces Form No. CCE3150704

