



POWER AND PRECISION

EXPERTS FOR THE REAL WORLD SINCE 1842

MAIN REASONS

TO CHOOSE THE B-SERIES



TORQUE CONVERTER LOCK-UP

The CASE transmission combines the torque converter typical smoothness, for fine grading, with the direct drive solution for full power transfer.



LOAD-SENSING HYDRAULIC SYSTEM

The balanced flow for all applications and for simultaneous moldboard movements.





«A-SHAPE» FRAME

An optimized effort distribution in any condition ensures long operating life.



MULTI-RADIUS BLADE

Lower power absorption and optimized rolling effect.



REAR MOUNTED CAB

Best in class controllability and comfort: the operator is always in line with the working direction.



EASY ACCESS

The easy serviceability is part of CASE DNA: all the main checks can be easily performed from ground level; all the service points are conveniently grouped and positioned.



VARIABLE POWER CURVE

The FPT Engine always ensures the necessary power for any task. On the 845B and 885B two power curves are available, while on the 865B three engine settings are installed for even better performances.



EXTERNALLY DRIVEN CIRCLE TEETH

The external pinion is not subject to any chock while working in heavy grading, meanwhile the slewing ring external theeth prevent residual material accumulation extending the overall working life.



HIGH VERSATILITY

The wide variety of options offers, to any customer, the possibility to create a tailored grader suitable for the most demanding applications.





MULTI RADIUS BLADE

Productivity with less power

The reinforced involuted moldboard improves the blade life thanks to different radius. The CASE radius design consists of three different radius allowing a more efficient and continuos cutting, mixing and rolling. The mixing effect is efficient on the spread out material too. This improves road surface consistency and longevity.





"A-SHAPE" FRAME

Longer working life

The durable front A-frame drawbar and high-strength circle provide outstanding stability. The A-frame drawbar has a heavy duty boxed frame design supporting the circle with a wide stance. It has increased the life of the circle and the drawbar components.



VARIABLE POWER CURVE

for excellent performance

From a unique moldboard design that rolls a superior mix to a fuel-efficient, turbocharged Tier 3 engine that achieves operating speeds of up to 43 km/h to a spacious, rear-mounted cab that gives operators exceptional visibility of the working components of the machine. For even higher performance the Dual Power maximizes operation at higher speed thanks to the double (845B/885B) or triple (865B) engine curve flattening from 4th gear.



MOLDBOARD PRECISION TECHNOLOGY



EXTERNALLY DRIVEN CIRCLE TEETH

Insensitive to shocks

Case motor graders are designed with external circle teeth. The external teeth are easier to clean and provide a larger contact area to avoid components wear and for a greater leverage when turning the blade under load.

This means there is no need for slip clutches or shear pins, which normally require repositioning or repair.







SHOCK-ABSORBING CIRCLE SAVER

Safer in tough conditions

This option protects your circle turn components. It acts as a shock absorber and allows the moldboard overpass obstructions and then return to its original position. This works automatically.

No adjustment or operator intervention is required.



CAB COMFORT RULES



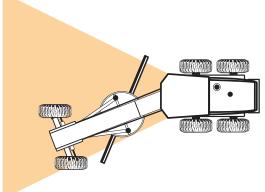
HIGH VISIBILITY

Best sight on circle, saddle, moldboard and more

The rear-mounted cab of B Series motor graders, combined with floor-to-ceiling glazed windows give operators a superior visibility of breakaway side mirrors, moldboard, circle, saddle and tires. Even rearward, the sleek, sloping hood provide excellent visibility when backing up.







MASSIVE CAB MASSIVE COMFORT

Stress free operativity

The Isomount cab reduces noise and vibration, and consequently operator fatigue. Couple that with a deluxe suspension seat with lumbar control and any operator will be not only comfortable, but more productive.

The sloping rear hood, breakaway heavy-duty side mirrors, and floor to ceiling glass with defrost rear window allow for outstanding visibility to the rear and to the front.



REAR MOUNTED CAB

Aligned with performances

CaseTM industry exclusive visibility on front articulation design allows the cab mounting to be further back on the machine. With front articulation the operator maintains a centered position while the gooseneck is articulated. This design increases visibility to the moldboard, circle, saddle, and tires. The front articulation gives the operator the possibility to see simultaneously the rear and the front half of the machine without the operator having to look to the side while the machine is articulated. In addition, front articulation allows for a tight turning radius, which is ideal for cul-de-sacs and tight job sites.



EASY ACCESS

Make it easy

When you invest in CASE equipment, you look for duration. We make it simple. CASE B Series motor graders are no exception. From a one-piece, flip-up hood and a reversible fan option that blows out cooler debris to ground-level site gauges and service points, you can do daily maintenance in a matter of minutes. It's the easiest way to help you get the effective performance and longest life out of your machine.







SAFE AND EASY MAINTENANCE

No tools needed

The daily maintenance of each CASE grader model can be managed without the use of any specific tools. All the hoods can be easily removed or lifted without any effort making visible and reacheable all the vital components of the machine. The grader refilling can be done directly from the ground and the large tanks capacity allows to work for the whole day without stopping.

MAINTENANCE SAFE AND EASY

- 1. Engine air filter
- 2. Fuel fill
- 3. External circle teeth
- 4. Hydraulic test ports
- 5. Grease zerks
- 6. Swing-out batteries
- 7. Site gauges
- 8. Flip-up hood
- 9. Oil drain hoses













ATTACHMENTS THE ART OF VERSATILITY









RIPPER

SCARIFIER





HIGH VERSATILITY

CASE offers a variety of versatile grader attachments, and accessories including:

- Front counterweight
- Ripper
- Scarifier
- Front push plate light 1,084 lbs heavy 1,764 lbs
- Front dozer blade

- Rear pull hook
- Additional lighting packages
- Lift cylinder accumulators
- Float control
- Moldboard extensions

865B

ENGINE - VHP

| Model | FPT F4HE9 | 9687C. |
|----------------------------|--|---------|
| Tier 3 certified, complian | | , |
| Electronic control | - | |
| Type | 4-stroke, turbocharged, and air to air | cooled |
| Cylinders | | in-line |
| Bore/Stroke | 4.09 in x \$ | 5.17 in |
| (104 mm x 132 mm) | | |
| Displacement | 409 in3 | (6.7 L) |
| Fuel injection | Comm | on rail |
| Fuel | | Diesel |
| Cooling | | Liquid |
| Horsepower @ 2200 RP | M - SAE J1995: Gross 193/205/220 | |
| | hp (144/153/164 kW) | |
| | Net 178/190/205 hp | |
| | (133/142/153 kW) | |

Maximum torque @ 1500 RPM: 612/649/686 ft-lb (830/880/930 N·m)

DRIVETRAIN

| Rear axle | Graziano, planetary |
|-------------------------------------|--|
| Differential | Hydraulic lock, operator controlled |
| Inboard brakes | Wet disc |
| Number of discs / brake | 5 |
| Brake surface area | 2,220 in2 (14 326 cm2) |
| Tandems: | |
| Type | Welded plate |
| Uscillation | 20° each way |
| Front axle | High strength, welded steel |
| Oscillation | 15.3° each direction |
| Wheel lean | 20° left / right 14.0 x 24 12PR XGLA Michelin |
| Tires – standard | 14.0 x 24 12PR XGLA Michelin |
| Rims | 1-piece |
| 9 in x 24 in (227 mm x 610 mm) | |
| Transmission type: | |
| Torque converter lockup (also fund | |
| electronic shift change control, au | tomatic, and without inching pedal, |
| for progressive advancing | |
| Sump | Integral |
| Speeds | 6 forward/3 reverse |
| ShiftingSingle lever, bum | p style, automatic electronic control |
| Diagnostics | On-board |
| | |

DRIVETRAIN (CONT.)

| Speeds | |
|---------------------|-------------|
| Forward: | mph (km/h) |
| 1 st | 3.4 (5.4) |
| 2 nd | 5 (8.1 |
| 3 rd | 7.7 (12.4) |
| 4 th | 11.9 (19.2) |
| 5 th | 17.8 (28.7) |
| 6 th | 27.4 (44.1) |
| Reverse: mph (km/h) | , |
| 1 st | 3.4 (5.5) |
| 2 nd | 8.1 (Ì3.1) |
| 3 rd | 18.8 (30.3) |
| | |

ELECTRICAL

| Voltage | _ 24 Volts,negative ground |
|---|----------------------------|
| Alternator | 90 amp |
| Batteries (2) Low-maintenance 1010 | CCA – 100 Ah (20 hr rate) |
| Work lights: Headlights (2); Turn signals, fr | ont/rear; |
| Stop/tail (2); Rear mounted flo | ods (2); |
| Front mounted floods (2). | |
| Backup alarm | Standard |

OPERATOR ENVIRONMENT

ROPS/FOPS cab - SAE J231, ISO 3449;

Adjustable operator's console; Adjustable cloth suspension seat w/ 3 in (76 mm) retractable seat belt; Safety glass; Dome light; Inside rearview mirror; Outside rearview mirrors; Cup holder; Storage tray; 12-volt outlet; Radio ready – 12 Volt; Electrical master switch – automatic; Heater/defroster/pressurizer; Air conditioner; Sound suppression; Cab doors – left/ right; Steps – left/right; Steering wheel; Windshield wipers – front and rear; Windshield washer – front; Window defroster – rear.

OPERATING WEIGHT

| W/ 14 ft (4.27 m) moldboard, 17.5-25 tires, fro | ont counterweight, 175 |
|---|------------------------|
| lb (79 kg) | |
| operator and full fuel: | 33,796 lb (15 330 kg) |
| Weight, front axle | _ 10,141 lb (4 600 kg) |
| Weight, rear axle | 23,655 lb (10 730 kg) |
| Blade pressure | 20,626 lb (9 356 kg) |

HYDRAULICS

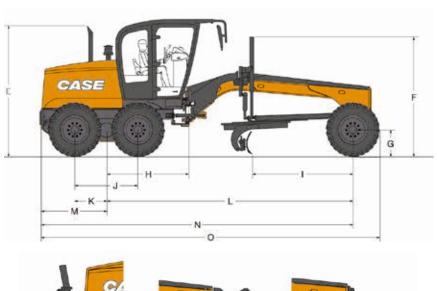
| System design | Closed center, load sensing |
|--|-----------------------------|
| Hydraulic pump | Load sensing piston pump, |
| variable displacement, pressure and flow | compensated |
| Rated flow @ 2200 RPM | 49 gpm (187 L/min) |
| Control valve | 9 section |
| Side shift and pitch | Hydraulic |
| Saddle | 5 positions |
| Diagnostic quick couplers | 8 |
| | |

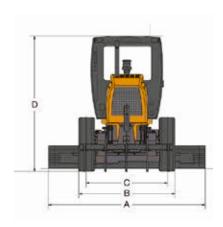
SERVICE CAPACITIES

| Engine | 4.4 gal (17.5 L) |
|---------------------|------------------|
| w/ filter change | 4.7 gal (18.5 L) |
| Fuel | 90 gal (341 L) |
| Transmission | 5.0 gal (23 L) |
| w/ filter change | 6.6 gal (25 L) |
| Radiator | 10.5 gal (40 L) |
| Hydraulic reservoir | 24 gal (90 L) |
| Hydraulic system | 50.2 gal (190 L) |
| Circle gearbox | 3 qt (2.8 L) |
| Rear axle center | 11.6 gal (44 L) |
| Total axle | 11.6 gal (44 L) |
| Tandem case, each | 15.9 gal (60 L) |

SPECIFICATIONS

GENERAL DIMENSIONS







| | 865B VHP |
|--|----------|
| A Blade width | 3962 mm |
| B Tread width | 2452 mm |
| C Tread gauge | 2108 mm |
| D Height on top of the cab | 3340 mm |
| E Height of top of exhaust | 3323 mm |
| F Height to top of blade lift cylinder | 3047 mm |
| G Tire static radius | 610 mm |
| H Distance between tandem center and the frame articulation pin | 1958 mm |
| I Distance between the front axle and the blade | 2562 mm |
| J Distance between the center of the rear tires | 1572 mm |
| K Distance between tandem center and the wheel | 786 mm |
| L Wheelbase | 6219 mm |
| M Distance between tandem center and the rear part of the equipment | 1650 mm |
| N Distance between the front wheen axle and the rear part of the equipment | 7869 mm |
| 0 Overall length | 8534 mm |
| P Distance between the rear tires and the ripper | 2028 mm |
| Q Distance between the front tires and the scarifier | 1520 mm |
| R Distance between the front tires and the dozer blade | 1626 mm |
| Turning radius (outside the tires) | 7250 mm |

 $All \ units \ fitted \ with \ 14.0 \ x \ 24-12 L \ tires, open \ ROPS/FOPS \ cab, \ standard \ battery, full \ fuel \ tank, operator \ weighing \ 75 \ kg, \ specifications \ in \ accordance \ with \ ISO \ 7134.$

SPECIFICATIONS

865B

| SADDLE | |
|----------------------------------|---|
| Locking system | Two hydraulic cylcinders |
| Saudie positions | 5 |
| FRAME | |
| Type | Box section |
| Front section Size | 254 x 298 mm |
| Rear section | |
| Size | 121 x 299 mm |
| DRAWBAR | |
| Type | "A" frame welded construction with |
| One and the second | center mounted circle turn motor |
| Connection with the frame | Shim adjustable spherical joint |
| CIRCLE | |
| Type | Welded construction 1752.6 mm |
| Maximum ouside diameter | 1752.6 mm |
| Rotation | 360° 1.2 rpm (7.2°/second) |
| Displacement | 0.25 l/turn |
| Rated hydraulic flow | 94.6 l/min (25 gpm) |
| N° of supports in phenolic resin | 0.25 l/turn 94.6 l/min (25 gpm) 4 |
| BLADE | |
| Type | High-carbon steel |
| Form | Involute curve |
| Width 3658 mm (12 ft) | / 3962 mm (13 ft) / 4267 mm (14 ft) |
| Height (curved profile) | 671 mm |
| Thickness | 22 mm 2, interchangeable |
| Blade pitch positions | 2, intercrialiyeable |

| Normal nitah | 470 |
|--|---------------------------|
| Normal pitch | 47 |
| Minimum pitch Maximum pitch | 42 87º |
| Blade side shift | 07 |
| Right | 686 mm |
| Left | 533 mm |
| Maximum hank-cutting angle (left and ric | nht) 90° |
| Left | 711 2 mm |
| Lift above ground (max.) | 444.5 mm |
| Blade side shift and pitch | Hydraulic type |
| Blade slae sline and plant | riyaraano typo |
| EDONT COADIEIED | |
| FRONT SCARIFIER | |
| Cutting width | 1168 mm |
| Teeth | 5 (optional, 11) |
| TeethSpacing between teeth | 229 mm (114 mm, optional) |
| Lift above ground | 527 mm |
| Maximum Penetration | 318 mm |
| Weight | 570 kg |
| | |
| REAR RIPPER | |
| HEART HILL ER | |
| Type | Parallelogram |
| Cutting width | 2340 mm |
| Ripper teeth | 3 / 5 optional |
| Scarifier teeth | 5 (9 option) |
| Lift above ground | |
| Ripper teeth | 518 mm |
| Maximum penetration | |
| Ripper teeth | 437 mm |
| | |
| DOZER BLADE | |
| Width | 2762 mm |
| Height | |
| I :th above anamed | 000 |

OPERATING WEIGHT

With a 3962 mm blade, operator weigh 75 kg, full tank

| 865B VHP | Weight (kg) |
|---|-------------|
| Basic machine | 14437 |
| Basic machine with ripper and front counterweight | 15870 |

ACCESSORIES WEIGHT

Weight _____

| 865B VHP | Weight (kg) |
|--------------------|-------------|
| Front couterweight | 492 |
| Heavy push plate | 800 |
| Light push plate | 492 |

Lift above ground 622 mm Penetration ______ 165 mm

STANDARD AND OPTIONS

STANDARD EQUIPMENT

OPERATOR STATION

ROPS/FOPS open cab with:

Adjustable suspension vinyl seat, with a 50.8 mm (2")

seathelt

Adjustable operator console

Pedal accelerator

Manual accelerator

Front windshield wiper with washer

Safety glass Ceiling light

Internal and external rear-view mirrors

12 V (*) power supply

Automatic master switch

Steps on the right and left sides

(*) Only available in closed cabins

ENGINE 865B

FPT F4HE9687C

Turbocharged, diesel

Dry air filter with primary and secondary safety

elements

Air pre-filter with cyclonic dust ejector

80 A alternator

Swing-up hood, diesel

HYDRAULIC SYSTEM

Hydraulic system with load sensor, closed center

9-section control valve

Hydraulic control for all functions:

blade lifting (right and left side), circle turn, side shift

of the circle, wheel lean, frame articulation, blade side shift and pitch, front and rear accessories

Diagnostics center with 8 quick couplers Hydraulic axial piston pump

Hydraulic engine fan

Multidisk oil-bathed service brakes with nitrogen accumulator safety system

Disk parking brake integrated into the transmission with warning light

14" 3-pieces rim / 17,25 x 25 - 12L - G2 tubeless

OTHERS

Standard tool kit

Drawbar / Standard circle

Conventional differential with brakes on 4 wheels and differential locking with electrohydraulic mechanism

STEERING

Hydrostatic steering with integrated emergency

system

INSTRUMENTS

Electronic Information Center

Indicators/gauges:

Tachometer

Direction selected F/N/R

Transmission modes - automatic/manual

Selected gear

Engine cooling temperature

Fuel level

Transmission oil temperature

Hydraulic oil temperature

Hourmeter

Fuel consumption

Engine diagnostics

Transmission diagnostics

-304.8 mm right blade extension

Medium ripper with 3 large teeth and 5 small teeth

2 additional large teeth and 4 additional small teeth

2 work lights mounted in front of the moldboard

LOCK/FL OATING/ANTI-SHOCK -MOLDBOARD AND

Moldboard float electrovalve (includes the lock valve)

Anti-shock electrovalve with 2 accumulators for the

Anti-shock electrovalve with 3 accumulators for the

-304.8 mm left blade extension

Support for lifting the machine

2 work lights behind the blade

2 work lights on the front attachment

Moldboard lifting cylinder lock valve

REAR ATTACHMENT

Rear pull hook

WORK LIGHTS

CIRCLE

moldboard

INDICATOR LIGHTS:

Low fuel level Floodlights

High beam

Brake pressure

Main alert

Parking brake

SOUND ALERTS:

Warning alert

Emergency alert

Reversing alert

ELECTRICAL SYSTEM

Lights

Front headlight with direction indicators (2)

Rear brake light and direction indicators (2)

Rear work light on top of the cabin (2)

Front work light on top of the cabin (2)

24 V system (Two 12 V batteries 12 V / 750 CCA)

Electronic system monitoring

Horn

Hourmeter

Reverse alarm

TRANSMISSION

ZF transmission of torque conversion type with lock up (also functions as Direct Drive), Powershift, 6 forward speeds and 3 reverse speeds, automatic gear shift, emergency electrical failure device (Limp-Home)

All ROPS/FOPS cabins are certifi ed in accordance with the SAE J1040 (ROPS) and SAE J231 (FOPS) standards.

OPTIONS

Closed high cab (fixed front window) Closed high cab (front flip-down window)

Sunshade(front and rear)

Air conditioner for closed cab

Fire extinguisher

Windshield washer and lower windshield wipers

Rear windshield washer and wipers

Radio

Tandem lock device

Rear fogger **DRAWBAR**

Drawbar / Heavy Duty circle

FRONT ATTACHMENT

Dozer Blade

5 tooth front scarifier

6 additional teeth for the front ripper

Dozer blade float electrovalve

Front counter weight

Lighting on dozer blade

BLADE

3,658 x 622 x 22 mm blade

3.962 x 671 x 22 mm blade 4,267 x 671 x 22 mm blade

Push plate

SEAT / SEATBELT Extra quality vinyl mechanical suspension seat Mechanical suspension fabric seat

Pneumatic mechanical suspension fabric seat

(3") 76.5 mm seatbelt **OPTIONAL EXTRAS**

moldboard and circle

Revolving safety light

Luxury toolbox

Toolbox without tools, with support, mounted on the

rear frame

Slow movement symbol

Electric pump for filling tires

Support for spare tire

TIRES AND MOUNTED RIMS **TUBELESS TIRES**

9" Rim - single piece/14x24 tire-12L-G2

10" Rim - 3 pieces / 14x24 tire - 12L - G2

13" Rim - single piece / 17.5x25 tire - 12L - L2

14" Rim - 3 pieces / 17.5x25 tire - 16L - L3 **TIRES WITH TUBES**

9" Rim - single piece / 14x24 tire - 12L - G2

10" Rim - 3 pieces / 14x24 tire - 12L - G2

RADIAL TUBELESS TIRES

9" Rim - single piece / 14x24 tire - 12L - L2

XGLA2 RADIAL

10" Rim - 3 piece / 14x24 tire - 12L - L2 XGLA2 RADIAL

9" Rim - single piece with valve

10" Rim - 3 pieces with valve

13" Rim - single piece with valve

14" Rim - 3 pieces with valve

EXPERTS FOR THE REAL WORLD SINCE 1842





PARTS AND SERVICE

Wide network of customer support across the world.

No matter where you work, we're here to support and protect your investment and exceed your expectations. 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. To locate a CASE dealer or learn more about CASE equipment or customer service, go to www.casece.com

NOTE: CASE provides specific outfits for various countries and many optional fittings (OPT). The illustrations on this or other leaflets may relate to standard or optional fittings. please consult your CASE dealer for any information in this regard and any possible updating on components. CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.