B-SERIES MOTOR GRADERS
845B I 865B I 885B

CASE
CONSTRUCTION

POWER AND PRECISION

www.casece.com
EXPERTS FOR THE REAL WORLD
SINCE 1842

HERITAGE
A TRADITION OF INDUSTRY FIRSTS

EXPERTS FOR THE REAL WORLD
SINCE 1842

1842 ***Case is founded.***

1869 ***First Case portable steam engine - road construction is born.***

1957 ***The first factory - integrated loader/backhoe in the world: a Case industry first.***

1958 ***The first Case 4-WD wheel loader, the W9.***

1967 ***Case enters excavator market.***

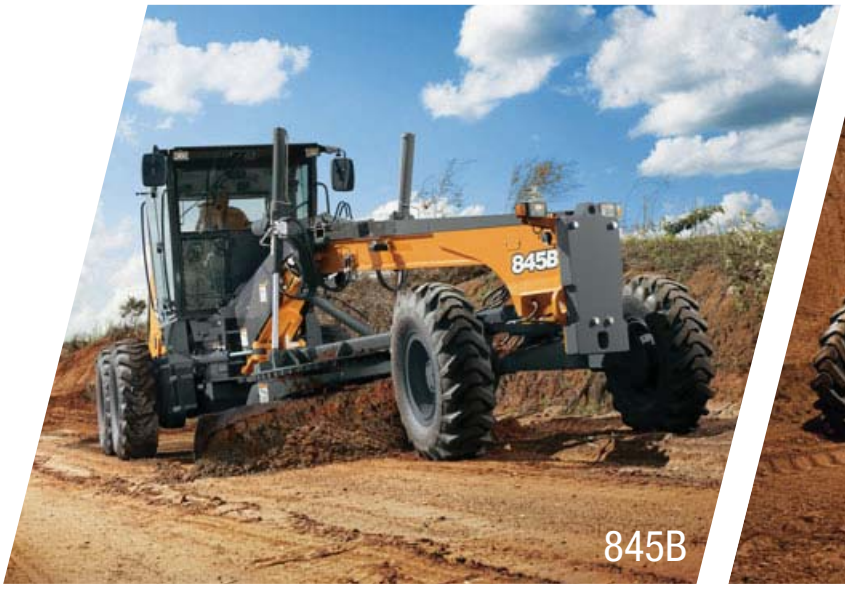
1998 ***Ride control on loader backhoes and skid steer loaders: another Case first.***

2011 ***All around visibility Cab" introduction on 800 series and FPT TIER III Engine installation ("B series")***

2012 ***Torque converter introduction on flagship model 885B***

2015 ***Case graders enter the European market with the new T4 final /EU Stage IV models.***

POWER
TO THE GROUND



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.

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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.

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.

MOLDBOARD
PRECISION TECHNOLOGY

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.

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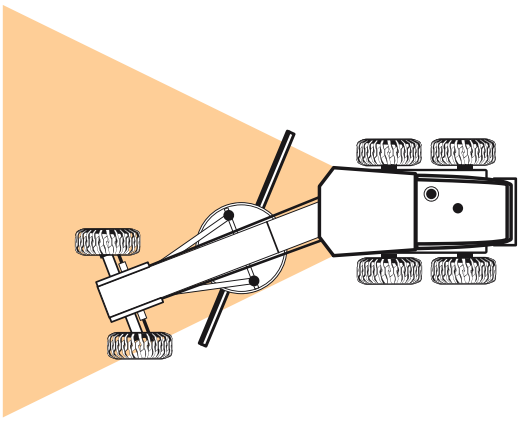
CAB
COMFORT RULES

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

Case™ 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.

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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

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MOTOR GRADERS

ATTACHMENTS
THE ART OF VERSATILITY

FRONT COUNTERWEIGHT

FRONT PUSH PLATE

RIPPER

FRONT DOZER BLADE

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

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.

SERVICES
A VALUABLE PARTNERSHIP

CNH INDUSTRIAL | CAPITAL

A complete range of financial and insurance services customised to your needs:
• Financing • Leasing • Mechanical breakdown insurance
• Repair cost insurance • Full Service

THE IDEAL FINANCIAL SOLUTION FOR EVERY CASE CUSTOMER

CNHI CAPITAL is the financing company for CASE Construction. Our staff are specialist financial services experts with many years of experience in the construction sector. We know CASE's products and its markets very well. Most importantly, we also, have an in-depth understanding of the individual requirements or your business. For this reason, we are always able to offer the best financing solution for your new investments, matched to your operational requirements and to the intended use of your new machinery. The solution may take the form of a loan, or of a rental or leasing agreement. Our top priority is to improve the cost-effectiveness of your investments! This is why you can, combine every CNHI CAPITAL financing package with CNHI CAPITAL insurance cover against mechanical breakdown or repair costs, so that you can eliminate investment risks and plan effectively.

Check the service availability in your country

Genuine Parts
HIGH PERFORMANCE

CASE CONSTRUCTION

PARTS & SERVICE

CNH Industrial Parts & Service has one overriding objective: maximize your equipment's productive time and performance by providing fast and efficient support. To do this, it operates a global network of 57 parts depots that manages 5 million parts and ships over 36 million order lines every year. We deliver 24/7, covering a machine population of 3.5 million through partnerships with suppliers that meet the most stringent quality standards in terms of raw materials and production processes; strict compliance testing to ensure product reliability, durability and safety, guaranteeing the machine's long term value and performance; and distribution and availability of spare parts and accessories for the entire life cycle of the machine. Our Original Parts guarantee the maximum reliability and performance over time. We also offer a wide range of customised Accessories to optimise the efficiency, comfort and safety of our machines. Our Remanufactured Parts (Reman) give new life to products, benefiting our customers and the environment. Finally, our Special Lines meet the demand of spare parts for older machines and other manufacturers' models.

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845B SPECIFICATIONS

ENGINE

Brand	FPT
Model	F4HE9684L
Type	Electronic common rail fuel system, water cooled, 4 cycle, direct injection, turbocharged and charge air cooled. (EPA TIER 3 certified.)
Cylinders	6, in line
Bore and stroke	104 x 132 mm
Engine displacement	6.7 l (6728 cm³)
Horsepower at 2.200 rpm	
Gross (SAE J1995 Gross)	
Low Curve	150 hp (112 kW)*1
High Curve	173 hp (129kW)*2
Net (SAE J1349)	
Low Curve	140 hp (104 kW)*1
High Curve	163 hp (119 kW)*2
Maximum torque at 1.500 rpm	
Gross (SAE J1995 Gross)	
Low Curve	659 Nm*1
High Curve	758 Nm*2
Net (SAE J1349)	
Low Curve	591 Nm*1
High Curve	678 Nm*2

POWERTRAIN

Rear axle	
Vertical ground clearance	374 mm
Differential	Limited slip / 60% torque transfer
* Brakes	Disk, bathed in oil
Number of disks per brake	5
Tandem	
Type	Welded Plate (2204 x 631 x 200.5 mm)
Oscillation	20º in each direction
Command chain pitch	50.8 mm
Thickness of the internal and external side wall	19 mm
Front axle	
Type	High-resistance welded steel
Oscillation	15.3º in each direction
Wheel lean	20º in each direction
Vertical ground clearance	580 mm

* SAE J150 3450 (brake performance)

HYDRAULIC SYSTEM

Type	Closed center, load sensing
Hydraulic pump	Axial piston pump, variable flow, fitted with load sensing system
Rated flow	186 l/min (49 gpm) at 2200 rpm
Control valve	9 sections

TRANSMISSION

Brand	ZF
Model	ZF TC LOCK UP 6WG – 160
Type	Torque converter lockup (also functions as Direct Drive) Powershift, electronic shift change control, automatic and without inching pedal for progressive advancing
Gears	6 forward / 3 reverse
Self-diagnostic system	On board

Speeds - km/h	Forward	Reverse
1st	5.0	5.3
2nd	7.7	12.5
3rd	11.8	28.6
4th	18.2	-
5th	27.2	-
6th	41.5	-

ELECTRICAL SYSTEM

Power	24 V
Alternator	90 A
Batteries	2x100 Ah – low maintenance

STEERING

Type	Hydrostatic
Steering wheel turns (lock to lock)	4.75
Pump capacity at 2.200 rpm	41.8 l/min
Pressure release valve	2200 psi (151 bar) integrated with the priority steering valve
Cylinders	2
Bore	50.8 mm
Stroke	301 mm
Rod diameter	25.4 mm
Supplemental steering	Integrated

SAE J53 e J1511

ARTICULATION

Type	Hydraulically activated (with a lock valve)
Angle	25º to the left/right
Controls	Hydraulic

CAPACITIES

Engine	17.5 l
with a change in filter	18.5 l
Fuel	341 l
Transmission	25 l
with a change in filter	27 l
Engine water cooling system	40 l
Hydraulic oil tank	90 l
Total hydraulic system	180 l
Circle turn housing	2.8 l
Tandem case (each)	69 l

Notes: *1 Gears 1st, 2nd F e 1st,2nd R
*2 Gears 3rd, 4th, 5th, 6th F e 3rd R

SPECIFICATIONS

SADDLE

Locking system _____ Two hydraulic cylinders
Saddle 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 center mounted circle turn motor
Connection with the frame _____ Shim adjustable spherical joint

CIRCLE

Type _____ Welded construction
Maximum ouside diameter _____ 1752.6 mm
Rotation _____ 360º
Speed _____ 1.2 rpm (7.2º/second)
Drive _____ Hydraulic motor
Displacement _____ 0,25 l/turn
Rated hydraulic flow _____ 94.6 l/min (25 gpm)
Nº of supports in phenolic resin _____ 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) _____ 622 mm
Thickness _____ 22 mm
Cutting edge _____ 2, interchangeable
Blade pitch positions
Normal pitch _____ 47º
Minimum pitch _____ 42º
Maximum pitch _____ 87º
Blade side shift
Right _____ 686 mm
Left _____ 533 mm
Maximum bank-cutting angle (left and right) _____ 90º
Ground penetration (max.) _____ 711.2 mm
Lift above ground (max.) _____ 444.5 mm
Blade side shift and pitch _____ Hydraulic type

FRONT SCARIFIER

Cutting width _____ 1168 mm
Teeth _____ 5 (optional, 11)
Spacing between teeth _____ 229 mm (114 mm, optional)
Lift above ground _____ 527 mm
Maximum penetration _____ 318 mm
Weight _____ 570 kg

REAR RIPPER

Type _____ Parallelogram
Cutting width _____ 2340 mm
Ripper teeth _____ 3 / 5 optional
Scrifier teeth _____ 5 (9 optional)
Lift above ground
Ripper teeth _____ 518 mm
Maximum penetration
Ripper teeth _____ 437 mm
Weight _____ 795 kg

DOZER BLADE

Width _____ 2762 mm
Height _____ 953 mm
Lift above ground _____ 622 mm
Penetration _____ 165 mm
Weight _____ 1165 kg

845B OPERATING WEIGHT

With a 3658 mm blade, operator weigh 75 kg, full tank

845B VHP	Weight (kg)
Basic machine	**14174**
Basic machine with ripper and front counterweight	**15000**

845B ACCESSORIES WEIGHT

845B VHP	Weight (kg)
Front couterweight	**492**
Heavy push plate	**800**
Light push plate	**492**

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865B SPECIFICATIONS

ENGINE

Brand	FPT
Model	F4HE9687B
Type	Electronic common rail fuel system, water cooled, 4 cycle, direct injection, turbocharged and charge air cooled. (EPA TIER 3 certified.)
Cylinders	6, in line
Bore and stroke	104 x 132 mm
Engine displacement	6.7 l (6728 cm³)
Horsepower at 2.200 rpm	
Gross (SAE J1995 Gross)	
Low Curve	193 hp (144 kW)*1
Mid Curve	205 hp (153 kW)*2
High Curve	220 hp (164 kW)*3
Net (SAE J1349)	
Low Curve	178 hp (133 kW)*1
Mid Curve	190 hp (142 kW)*2
High Curve	205 hp (153 kW)*3
Maximum torque at 1.500 rpm	
Gross (SAE J1995 Gross)	
Low Curve	830 Nm*1
Mid Curve	880 Nm*2
High Curve	930 Nm*3
Net (SAE J1349)	
Low Curve	743 Nm*1
Mid Curve	788 Nm*2
High Curve	832 Nm*3

POWERTRAIN

Rear axle

Vertical ground clearance	374 mm
Differential	Conventional planetary with 100% electro-hydraulic lock
* Brakes	Disk, bathed in oil
Number of disks per brake	5

Tandem

Type	Welded Plate (2204 x 631 x 200.5 mm)
Oscillation	20º in each direction
Command chain pitch	50.8 mm
Thickness of the internal and external side wall	19 mm

Front axle

Type	High-resistance welded steel
Oscillation	20º in each direction
Wheel lean	15.3º in each direction
Vertical ground clearance	580 mm

* SAE J150 3450 (brake performance)

HYDRAULIC SYSTEM

Type	Closed center, load sensing
Hydraulic pump	Axial piston pump, variable flow, fitted with load sensing system
Rated flow	186 l/min (49 gpm) at 2200 rpm
Control valve	9 sections

TRANSMISSION

Brand	ZF
Model	ZF TC LOCK UP 6WG – 160
Type	Torque converter lockup (also functions as Direct Drive) Powershift, electronic shift change control, automatic and without inching pedal for progressive advancing
Gears	6 forward / 3 reverse
Self-diagnostic system	On board

Speeds - km/h	Forward	Reverse
1st	5.4	5.5
2nd	8.1	13.1
3rd	12.4	30.3
4th	19.2	-
5th	28.7	-
6th	44.1	-

ELECTRICAL SYSTEM

Power	24 V
Alternator	90 A
Batteries	2x100 Ah – low maintenance

STEERING

Type	Hydrostatic
Steering wheel turns (lock to lock)	4.75
Pump capacity at 2.200 rpm	41.8 l/min
Pressure release valve	2200 psi (151 bar) integrated with the priority steering valve
Cylinders	2
Bore	50.8 mm
Stroke	301 mm
Rod diameter	25.4 mm
Supplemental steering	Integrated

SAE J53 e J1511

ARTICULATION

Type	Hydraulically activated (with a lock valve)
Angle	25º to the left/right
Controls	Hydraulic

CAPACITIES

Engine	17.5 l
with a change in filter	18.5 l
Fuel	341 l
Transmission	25 l
with a change in filter	27 l
Engine water cooling system	40 l
Hydraulic oil tank	90 l
Total hydraulic system	190 l
Circle turn housing	2.8 l
Tandem case (each)	69 l

Notes: *1 Gears 1st, 2nd F e 1st,2nd R
*2 Gears 3rd, 4th e 3rd R
*3 Gears 5th, 6th

SPECIFICATIONS

SADDLE

Locking system _____ Two hydraulic cylcinders
Saddle 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 center mounted circle turn motor
Connection with the frame _____ Shim adjustable spherical joint

CIRCLE

Type _____ Welded construction
Maximum ouside diameter _____ 1752.6 mm
Rotation _____ 360º
Speed _____ 1.2 rpm (7.2º/second)
Displacement _____ 0.25 l/turn
Rated hydraulic flow _____ 94.6 l/min (25 gpm)
Nº of supports in phenolic resin _____ 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
Cutting edge _____ 2, interchangeable
Blade pitch positions
Normal pitch _____ 47º
Minimum pitch _____ 42º
Maximum pitch _____ 87º
Blade side shift
Right _____ 686 mm
Left _____ 533 mm
Maximum bank-cutting angle (left and right) _____ 90º
Ground penetration (max.) _____ 711.2 mm
Lift above ground (max.) _____ 444.5 mm
Blade side shift and pitch _____ Hydraulic type

FRONT SCARIFIER

Cutting width _____ 1168 mm
Teeth _____ 5 (optional, 11)
Spacing between teeth _____ 229 mm (114 mm, optional)
Lift above ground _____ 527 mm
Maximum Penetration _____ 318 mm
Weight _____ 570 kg

REAR RIPPER

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 _____ 953 mm
Lift above ground _____ 622 mm
Penetration _____ 165 mm
Weight _____ 1165 kg

865B 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**

865B ACCESSORIES WEIGHT

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

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885B SPECIFICATIONS

ENGINE

Brand _____ FPT
Model _____ F4HE9687B
Type _____ Electronic Common Rail fuel System, Water Cooled, 4 Cycle, Direct Injection, Turbocharged and Charge Air Cooled. (EPA TIER 3 certified.)
Cylinders _____ 6, in line
Bore and stroke _____ 104 x 132 mm
Engine displacement _____ 6.7l (6728 cm³)
Horsepower at 2.200 rpm
Gross (SAE J1995 Gross)
Low Curve _____ 220 hp (164 kW)*1
High Curve _____ 234 hp (175 kW)*2
Net (SAE J1349)
Low Curve _____ 205 hp (153 kW)*1
High Curve _____ 219 hp (163 kW)*2
Maximum torque at 1.500 rpm
Gross (SAE J1995 Gross)
Low Curve _____ 924 Nm*1
High Curve _____ 984 Nm*2
Net (SAE J1349)
Low Curve _____ 864 Nm*1
High Curve _____ 924 Nm*2

POWERTRAIN

Rear axle
Vertical ground clearance _____ 359 mm
Differential _____ Conventional planetary with 100% electro-hydraulic lock
* Brakes _____ Disk, bathed in oil
Number of disks per brake _____ 6
Tandem
Type _____ Welded Plate (2.204 x 631 x 200.5 mm)
Oscillation _____ 20º in each direction
Command chain pitch _____ 50.8 mm
Thickness of the internal and external side wall _____ 19 mm
Front axle
Type _____ High-resistance welded steel
Oscillation _____ 20º in each direction
Wheel lean _____ 15.3º in each direction
Vertical ground clearance _____ 580 mm
* SAE J150 3450 (brake performance)

HYDRAULIC SYSTEM

Type _____ Closed center, load sensing
Hydraulic pump _____ Axial piston pump, variable flow, fitted with load sensing system
Rated flow _____ 186 l/min (49 gpm) at 2200 rpm
Control valve _____ 9 sections

TRANSMISSION

Brand _____ ZF
Model _____ ZF TC LOCK UP 6WG – 160
Type _____ Torque converter lockup (also functions as Direct Drive) Powershift, electronic shift change control, automatic and without inching pedal for progressive advancing
Gears _____ 6 forward / 3 reverse
Self-diagnostic system _____ On board

Speeds - km/h	Forward	Reverse
1st	4.5	4.8
2nd	6.9	11.7
3rd	11.1	27.4
4th	16.9	-
5th	25.9	-
6th	38.8	-

ELECTRICAL SYSTEM

Power _____ 24 V
Alternator _____ 120 A
Batteries _____ 2x100 Ah – low maintenance

STEERING

Type _____ Hydrostatic
Steering wheel turns (lock to lock) _____ 4.75
Pump capacity at 2.200 rpm _____ 41.8 l/min
Pressure release valve _____ 2200 psi (151 bar) integrated with the priority steering valve
Cylinders _____ 2
Bore _____ 50.8 mm
Stroke _____ 301 mm
Rod diameter _____ 25.4 mm
Supplemental steering _____ Integrated SAE J53 e J1511

ARTICULATION

Type _____ Hydraulically activated (with a lock valve)
Angle _____ 25º to the left/right
Controls _____ Hydraulic

CAPACITIES

Engine _____ 17.5 l
with a change in filter _____ 18.5 l
Fuel _____ 341 l
Transmission _____ 34 l
with a change in filter _____ 36 l
Engine water cooling system _____ 40 l
Hydraulic oil tank _____ 94.6 l
Total hydraulic system _____ 180 l
Circle turn housing _____ 2.8 l
Tandem case (each) _____ 69 l

Notes: *1 Gears 1st, 2nd F e 1st,2nd R
*2 Gears 3rd, 4th, 5th, 6th F e 3rd R

SPECIFICATIONS

SADDLE

Locking system ____ Two hydraulic cylinders
Saddle 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 center mounted circle turn motor
Connection with the frame ____ Shim adjustable spherical joint

CIRCLE

Type ____ Welded construction
Maximum ouside diameter ____ 1752.6 mm
Rotation ____ 360º
Speed ____ 1.2 rpm (7.2º/second)
Drive ____ Hydraulic motor
Displacement ____ 0.25 l/turn
Rated hydraulic flow ____ 94.6 l/min (25 gpm)
Nº of supports in phenolic resin ____ 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
Cutting edge ____ 2, interchangeable
Blade pitch positions
Normal pitch ____ 47º
Minimum pitch ____ 42º
Maximum pitch ____ 87º
Blade side shift
Right ____ 686 mm
Left ____ 533 mm
Maximum bank-cutting angle (left and right) ____ 90º
Ground penetration (max.) ____ 711.2 mm
Lift above ground (max.) ____ 444.5 mm
Blade side shift and pitch ____ Hydraulic type

FRONT SCARIFIER

Cutting width ____ 1168 mm
Teeth ____ 5 (optional, 11)
Spacing between teeth ____ 229 mm (114 mm, optional)
Lift above ground ____ 527 mm
Maximum Penetration ____ 318 mm
Weight ____ 570 kg

REAR RIPPER

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
Weight ____ 850 kg

DOZER BLADE

Width ____ 2762 mm
Height ____ 953 mm
Lift above ground ____ 622 mm
Penetration ____ 165 mm
Weight ____ 1165 kg

885B OPERATING WEIGHT

With a 4267 mm blade, operator weigh 75 kg, full tank

885B VHP	Weight (kg)
Basic machine	**16708**
Basic machine with ripper and front counterweight	**18050**

885B ACCESSORIES WEIGHT

885B VHP	Weight (kg)
Front couterweight	**492**
Heavy push plate	**800**
Light push plate	**492**

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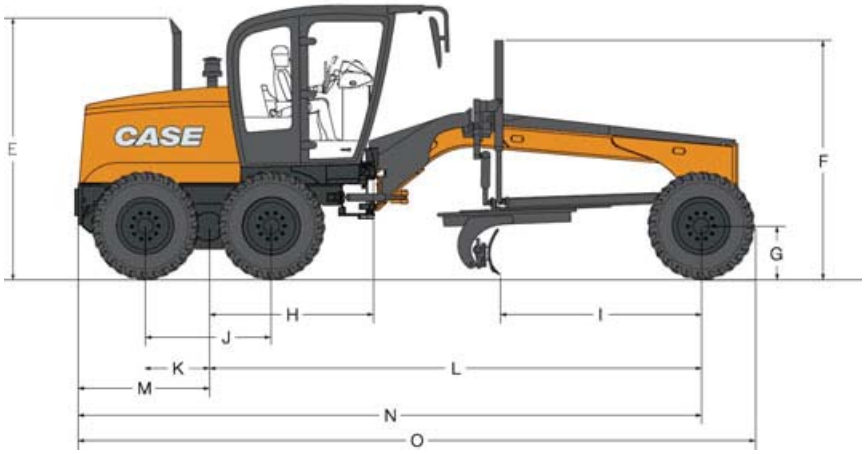
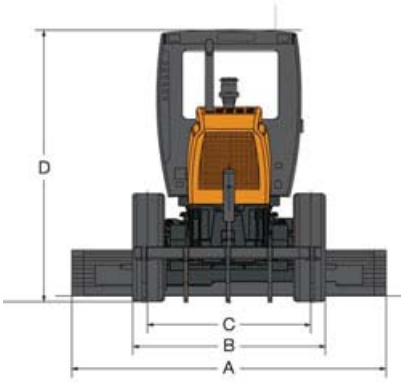
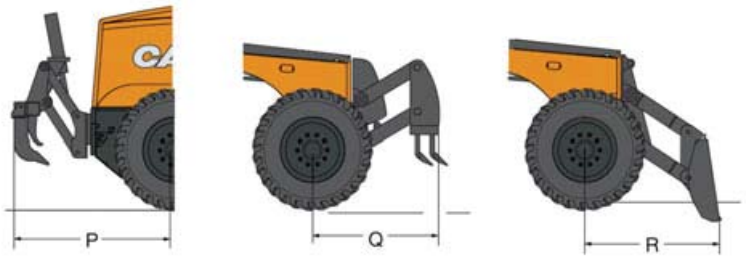
MOTOR GRADERS

GENERAL DIMENSIONS







		845B VHP	865B VHP	885B VHP
A	Blade width	3658 mm	3962 mm	4267 mm
B	Tread width	2499 mm	2452 mm	2654 mm
C	Tread gauge	2108 mm	2108 mm	2174 mm
D	Height on top of the cab	3340 mm	3340 mm	3340 mm
E	Height of top of exhaust	3323 mm	3323 mm	3323 mm
F	Height to top of blade lift cylinder	3047 mm	3047 mm	3047 mm
G	Tire static radius	610 mm	610 mm	610 mm
H	Distance between tandem center and the frame articulation pin	1958 mm	1958 mm	1958 mm
I	Distance between the front axle and the blade	2562 mm	2562 mm	2562 mm
J	Distance between the center of the rear tires	1572 mm	1572 mm	1624 mm
K	Distance between tandem center and the wheel	786 mm	786 mm	812 mm
L	Wheelbase	6219 mm	6219 mm	6219 mm
M	Distance between tandem center and the rear part of the equipment	1650 mm	1650 mm	1661 mm
N	Distance between the front wheen axle and the rear part of the equipment	7868 mm	7869 mm	7880 mm
O	Overall length	8554 mm	8534 mm	8534 mm
P	Distance between the rear tires and the ripper	2028 mm	2028 mm	2040 mm
Q	Distance between the front tires and the scarifier	1520 mm	1520 mm	1520 mm
R	Distance between the front tires and the dozer blade	1626 mm	1626 mm	1645 mm
	Turning radius (outside the tires)	7250 mm	7250 mm	7289 mm

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

STANDARD AND OPTIONS

STANDARD EQUIPMENT

OPERATOR STATION
ROPS/FOPS open cab with:
Adjustable suspension vinyl seat, with a 50.8 mm (2") seatbelt
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

BRAKES
Multidisk oil-bathed service brakes with nitrogen accumulator safety system
Disk parking brake integrated into the transmission with warning light

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

OTHERS
Standard tool kit
Drawbar / Standard circle

AXLES
Conventional differential with brakes on 4 wheels and differential locking with electrohydraulic mechanism (rear axle)

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

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

CAB
Closed high cab (fixed front window)
Closed high cab (front flip-down window)
Sunshade(front and rear)

OTHERS
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
Push plate
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
–304.8 mm right blade extension
–304.8 mm left blade extension

REAR ATTACHMENT
Medium ripper with 3 large teeth and 5 small teeth
2 additional large teeth and 4 additional small teeth
Rear pull hook
Support for lifting the machine

WORK LIGHTS
2 work lights behind the blade
2 work lights mounted in front of the moldboard
2 work lights on the front attachment

LOCK/FL OATING/ANTI-SHOCK -MOLDBOARD AND CIRCLE
Moldboard lifting cylinder lock valve
Moldboard float electrovalve (includes the lock valve)
Anti-shock electrovalve with 2 accumulators for the moldboard
Anti-shock electrovalve with 3 accumulators for the moldboard and circle

SEAT / SEATBELT
Extra quality vinyl mechanical suspension seat
Mechanical suspension fabric seat
Pneumatic mechanical suspension fabric seat
(3") 76.5 mm seatbelt

OPTIONAL EXTRAS
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

RIMS
9" Rim - single piece with valve
10" Rim - 3 pieces with valve
13" Rim - single piece with valve
14" Rim - 3 pieces with valve

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EXPERTS FOR THE REAL WORLD
SINCE 1842

CASE CONSTRUCTION

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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC