

**ENGINE**

Model	Case/FPT 6.7 L, Tier 3 certified Compliant with EPA regulations effective January 2011 Electronic control
Type	4-stroke, turbocharged and air to air after cooled
Cylinders	6, in-line
Bore/Stroke	4.09 in x 5.17 in (104 x 132 mm)
Displacement	409 in <sup>3</sup> (6.7 L)
Fuel injection	Common rail
Fuel	Diesel
Cooling	Liquid
Horsepower @ 2200 RPM – SAE J1995:	
Gross	220/234 hp (164/175 kW)
Net	205/214 hp (153/163 kW)
Maximum torque @ 1600 RPM:	
	682/726 ft-lbs (924/984 N·m)

**POWERTRAIN**

Rear axle	Graziano, planetary
Differential	Hydraulic lock, operator controlled
Outboard brakes	Wet disc
Number of discs/brake	6
Brake surface area	2,686 in <sup>2</sup> (17 191 cm <sup>2</sup> )
Tandems:	
Type	Welded plate
Oscillation	20° each way
Front axle	High strength, welded steel
Oscillation	15.3° each direction
Wheel lean	20° left/right
Tires	14.0 x 24 12PR TL G2 Firestone
Rims	1-piece 9 in x 24 in (227 x 610 mm)

**HYDRAULICS**

Type	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

**TRANSMISSION**

Type:	Direct drive countershaft powershift w/ electronic shift control and inching pedal
Pump flow @ 2200 RPM	29.5 gpm (112 L/min)
Sump	Integral
Speeds	n/a
Shifting	Single lever, bump style automatic electronic control
Diagnostics	Onboard
Speeds – mph (km/h)	
Forward:	
1st	2.39 (3.86)
2nd	3.18 (5.47)
3rd	4.68 (7.56)
4th	6.58 (10.62)
5th	9.58 (15.45)
6th	13.47 (21.73)
7th	19.0 (30.64)
8th	26.7 (43.0)
Reverse:	
1st	2.39 (3.86)
2nd	4.68 (7.56)
3rd	9.58 (15.45)
4th	19.0 (30.64)

**ELECTRICAL**

Voltage	24 Volts, negative ground
Alternator	90 amp
Batteries (2)	Low-maintenance 1010 CCA – 100 Ah (20 hr rate)
Lighting:	
	Headlights (2); Turn signals, front/rear; Stop/tail (2); Rear mounted floods (2); Front mounted floods (2)
Backup alarm	Standard

**STEERING**

Type	Hydrostatic power steering
Turns (lock-to-lock)	4.75
Pump capacity @ 2200 engine RPM:	13.8 gpm (52.25 L/min)
Relief pressure	2,200 psi (151 bar) integral with priority valve
Cylinder (2):	2.0 in bore x 11.85 in stroke x 1.0 in rod dia. (50.8 mm x 301.0 mm x 25.4 mm)
Supplemental steering	Integral (Not applicable when equipped with 20.5 x 25 tires)

**ARTICULATION**

Type	Hydraulic actuated (with lock valve)
Range	25° left/right
Controls	Hydraulic

**SERVICE CAPACITIES**

Engine	4.4 gal (17.5 L) w/ filter change
Fuel	90 gal (341 L)
Transmission	5.8 gal (22 L) w/ filter change
Radiator	10.5 gal (40 L)
Hydraulic reservoir	25 gal (94.6 L)
Hydraulic system	47.5 gal (180 L)
Circle gearbox	3 qt (2.8 L)
Rear axle center	10.5 gal (40 L)
Total axle	10.5 gal (40 L)
Tandem case, each	15.9 gal (60 L)

## MAINFRAME

Type	All welded box
Front section:	
Size	10.0 in x 11.73 in (254 x 298 mm)
Weight	124.7 lbs-ft (172.8 kg/m)
Rear section:	
Size	4.75 in x 11.75 in (121 x 299 mm)
Weight (each side)	76.8 lbs-ft (114.2 kg/m)

## DRAWBAR

Type:	"A" frame welded construction with center mounted circle turn motor
Ball and circle	Shim adjustable

## MOLDBOARD

Type	High-carbon steel
Shape	Involute curve
Length	14 ft 0 in (4267 mm)
Height	23.6 in (600 mm)
Thickness	0.875 in (22.2 mm)
End bits	2, interchangeable
Blade pitch positions:	
Normal pitch	47°
Minimum pitch	42°
Maximum pitch	87°
Blade shift:	
Right	27.0 in (686 mm)
Left	21.0 in (533 mm)
Max. bank cutting angle: (right and left)	
	90°
Ground penetration (max.)	28 in (711.2 mm)
Lift above ground (max.)	17.5 in (444.5 mm)

## CIRCLE

Type	Welded construction
Diameter:	
Max. outside	69.0 in (1752.6 mm)
Vertical member	63.0 in (1600.2 mm)
Rotation	360°
Speed	1.1 RPM (6.8°/second)
Drive	
Type	Hydraulic motor
Type	Roller Geroter
Displacement	15.26 in <sup>3</sup> /Rev. (0.25 L/Rev.)
Rated hydraulic flow	
	19.8 gpm (75 L/min)

## OPERATING WEIGHT

With 14 ft (4.27 m) moldboard, 20.5-25 tires, front counterweight, 175 lb (79 kg) operator and full fuel:	
	39,771 lb (18 040 kg)
Weight, front axle	12,301 lb (5580 kg)
Weight, rear axle	27,469 lb (12 460 kg)
Blade pressure	21,178 lb (9606 kg)

## ATTACHMENTS

### SCARIFIER

Type	Front mounted
Width of cut	46 in (1168 mm)
Teeth	5 (11 optional)
Tooth spacing	9.0 in (229 mm) (4.5 in optional)
Lift above ground	20.75 in (527 mm)
Max. penetration	12.5 in (318 mm)
Weight	1,256 lb (570 kg) (includes front attachment group)

### PUSH BLOCK

Type	Front mounted
Weight	1,084 lb (492 kg)

### REAR RIPPER

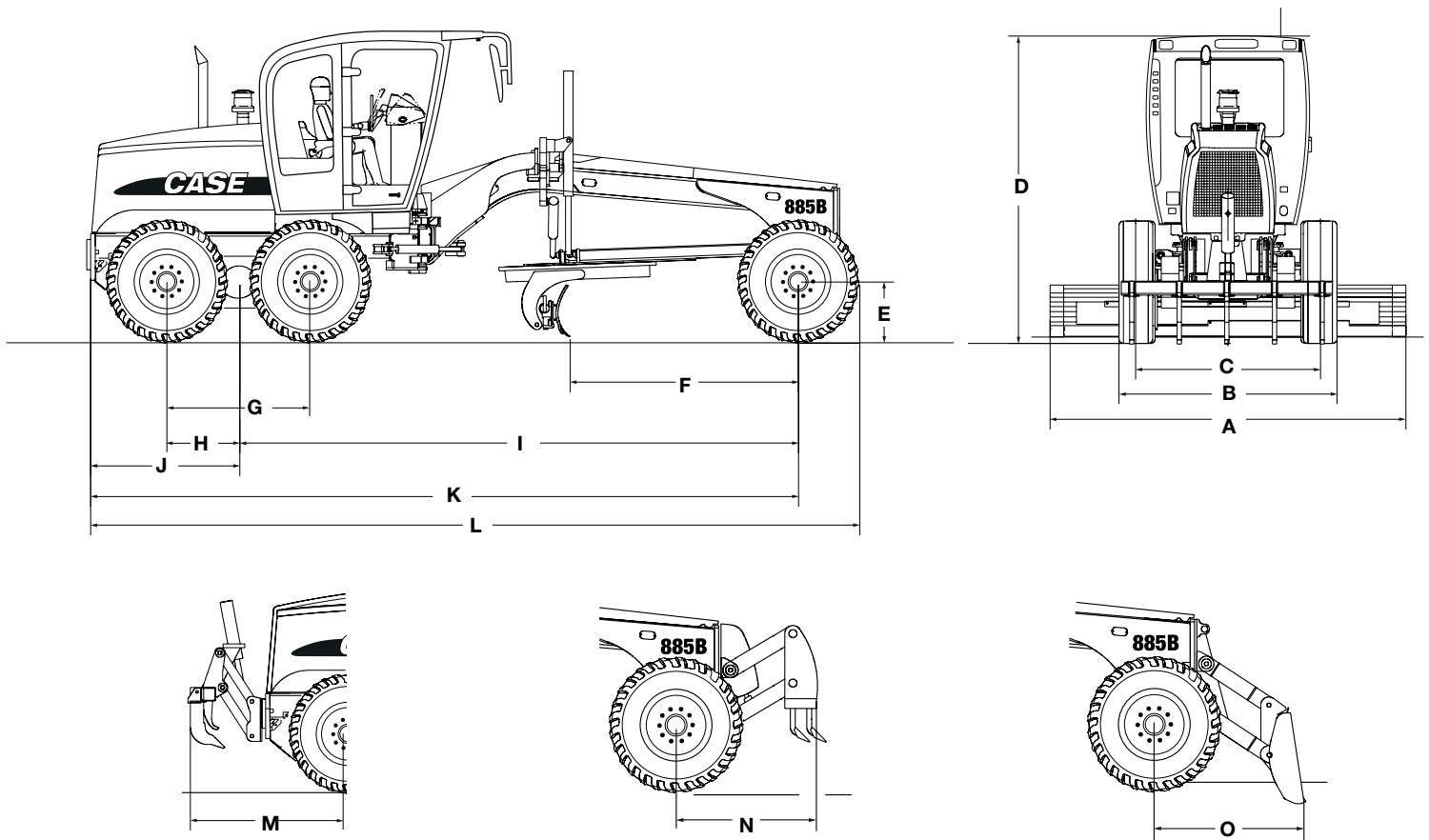
Type	Parallel
Ripper teeth	3 (5 optional)
Scarifier teeth	5 (9 optional)
Width of cut	86.4 in (2195 mm)
Lift above ground:	
Ripper teeth	20.38 in (518 mm)
Scarifier teeth	27.67 in (703 mm)
Max. penetration:	
Ripper teeth	17.22 in (437 mm)
Scarifier teeth	9.43 in (252 mm)
Weight	2,167 lb (985 kg)

### DOZER BLADE

Type	Front mounted
Width	109 in (2762 mm)
Height	37.5 in (953 mm)
Lift above ground	24.5 in (622 mm)
Penetration	6.5 in (165 mm)
Weight	2,568 lb (1165 kg) (includes front attachment group)

### COUNTERWEIGHT

Type	Front mounted
Weight	1,084 lb (492 kg)



Line drawings are for illustrative purpose only and may not be exact representation of unit.

## DIMENSIONS

	<b>885B DHP</b>
<b>A.</b> Blade width	14 ft 0 in (4267 mm)
<b>B.</b> Distance between outside edges of tires	8 ft 8 in (2650 mm)
<b>C.</b> Wheel tread	7 ft 1.6 in (2174 mm)
<b>D.</b> Height to top of cab	10 ft 11 in (3340 mm)
<b>D.</b> Height to top of cab — low profile	10 ft 4 in (3150 mm)
<b>E.</b> Tire radius — when static	2 ft 0 in (610 mm)
<b>F.</b> Blade base	8 ft 5 in (2562 mm)
<b>G.</b> Distance between tandem axles	5 ft 3.9 in (1624 mm)
<b>H.</b> Distance between tandem center and wheel	2 ft 8 in (812 mm)
<b>I.</b> Wheelbase	20 ft 5 in (6219 mm)
<b>J.</b> Distance between tandem center and rear end of machine	5 ft 5 in (1650 mm)
<b>K.</b> Distance between front axle and rear end of machine	25 ft 10 in (7874 mm)
<b>L.</b> Overall length (without ripper or front attachment)	28 ft 0 in (8534 mm)
<b>M.</b> Distance between rear tires & rear ripper	6 ft 8 in (2040 mm)
<b>N.</b> Distance between front tires & front scarifier	5 ft 0 in (1524 mm)
<b>O.</b> Distance between front tires & front dozer blade	5 ft 5 in (1645 mm)
Outside tire turning radius	23 ft 11 in (7289 mm)
Ground clearance (rear axle)	14.9 in (380 mm)
Ground clearance (front axle)	24.5 in (622 mm)

All units equipped with 14.0 x 24-10 PR tires, ROPS cab with heater & A/C, std. battery, full fuel, 175 lb (79 kg) operator. Specifications per ISO 7134.

## STANDARD EQUIPMENT

### OPERATOR STATION

ROPS/FOPS cab (SAE J231, ISO 3449)  
Adjustable operator's console  
Adjustable cloth suspension seat with  
3 in (76 mm) retractable seat belt  
Safety glass  
Dome light  
Inside rear view mirror  
Outside rear view 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

### POWERTRAIN

Hydraulic differential lock

## OPTIONAL EQUIPMENT

### MOLDBOARDS

12 ft x 22 in (3658 x 559 mm), involute curve  
13 ft x 23.6 in (3962 x 600 mm), involute curve  
Extensions – 2 ft (610 mm)  
Front Float Control  
Moldboard Float Control  
Lift cylinder/side shift accumulator  
Lift cylinder accumulator

### OPERATOR STATION

High profile ROPS/FOPS cab  
Front windows – openable  
Lower front wiper/washers  
Rear windshield washer  
Air suspension seat  
Radio, AM/FM with CD player  
Sunshade

### ENGINE

Case/FPT 6.7 L turbocharged diesel  
Tier 3 certified  
Temperature controlled cooling fan  
Charge air cooler  
Air intake grid heater  
Common rail electronic fuel injection  
Hydraulic-driven cooling fan  
Auto idle

### HYDRAULICS

Closed center, load sensing hydraulic system  
Controls for all functions  
9 section control valve  
Hydraulic moldboard side shift and pitch  
5-position saddle  
14 ft x 23.6 in (4267 x 600 mm) moldboard  
Rear pull hook  
8 hydraulic diagnostic quick couplers

### TIRES

14.0 x 24-12 PR

### INSTRUMENTS

Analog displays/Gauges:  
Fuel level; Engine coolant temperature;  
Transmission oil temperature; Hydraulic  
oil temperature

### TIRES

14.0 x 24-12 PR  
14.0 x R24 XGLA  
14.0 x R24 Snoplus  
16.0 x 24-12 PR  
17.5 x 25-12 PR  
17.5 x 25-16 PR  
17.5 x R25 XTLA  
17.5 x R25 Snoplus  
20.5 x 25-12 PR

### ELECTRICAL

Front mounted working lights (2)  
Floodlights (2) at moldboard  
Floodlights (2) at articulation  
Snow wing lighting package

### INSTRUMENTS (continued)

Monitor Functions:

Hour meter; Engine speed; Travel speed;  
Current gear selection; FNR indication;  
Clock; Trip computer; Fuel consumption;  
Fuel level percentage; Oil pressure; Coolant  
temperature; Engine oil temperature;  
Transmission oil temperature; Hydraulic oil  
temperature; Turbocharger air temperature;  
Differential lock indicator; Gear selection  
indicator; Engine diagnostics; Transmission  
diagnostics; System voltage; Error reporting;  
Warning prompts; Indicator warning lamps:  
main warning, parking brake, low brake  
pressure, high beams, turn signals, hazard  
lights, low fuel

### ELECTRICAL

Heavy duty batteries (2) 1010 CCA  
Electronic Systems Monitor  
Horn  
Alternator, 90 amp  
Backup alarm  
Headlights  
Turn signals (2) front  
Tail lights (2) with turn signals, brake lights  
Flood lights – cab mounted

### OTHER

Bi-directional engine cooling fan  
Cold weather package  
Fire Extinguisher  
Strobe Light  
Tool Box (w/o tools)  
Deluxe Tool Box (w/ tools)  
Tire inflator kit  
Spare wheel  
Spare wheel support  
Slow moving vehicle sign

### ATTACHMENTS

Front pull hook  
Front counterweight  
Front dozer blade  
Front scarifier  
Front push plate  
Front support and lift cylinder  
Rear ripper



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

NOTE: All engines are compliant with current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

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All Case construction equipment is biodiesel ready.



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