

885B SERIES 2

ENGINE

Brand	FPT
Model	F4HE9687K*J111
Type	Electronic, diesel fuel, 4 stroke, direct injection, turbocharged, Tier 3 certified
Cylinders	6
Bore and stroke	4.09 x 5.19 in (104 x 132 mm)
Cylinder volume	408.86 in ³ (6,7 l)
Power @ 2200 rpm	
Gross (SAE J1995)	164/175 kW (220/234 hp)
Net (SAE J1349)	153/163 kW (205/219 hp)
Maximum torque @ 1600 rpm	
Gross (SAE J1995)	681.5/725.7 lbf.ft (924/984 Nm)
Net (SAE J1349)	637.2/681.5 lbf.ft (864/924 Nm)

POWER TRAIN

Rear axle	
Ground clearance	1 ft 2 in (359 mm)
Differential	Conventional planetary with 100% electro-hydraulic lock, operator-driven
*Brakes	Disc, in oil bath
Number of discs per brake	6
Tandem	
Type	Welded panel
7' 2.7" x 2' 0.8" x 8" (2,204 x 631 x 201 mm)	
Oscillation	20° in each direction
Command chain pitch	2 in (50.8 mm)
Thickness of inner and outer side walls	0.75 in (19 mm)
Front axle	
Type	Welded high resistance steel
Oscillation	15° in each direction
Wheel lean	20° in each direction
Ground clearance	1 ft 11 in (580 mm)
Tyres	17.5 x 25 12PR L2 tubeless
Rims	14" (3 piece)

*SAE J150 3450 (brake performance)

ELECTRICAL SYSTEM

Voltage	24 V (with grounding)
Alternator	90 A
Batteries	2x100 Ah – Low maintenance
Lights	
Front headlight with turn signals (2)	
Brake light and rear turn signals (2)	
Rear mounted floods (2)	
Front mounted floods (2)	
Monitoring of electronic systems	

HYDRAULIC SYSTEM

Type	Closed centre, load-sensing
Hydraulic pump	Axial piston pump, variable flow, equipped with load sensing
Nominal flow	186 l/min (49 gpm) @ 2.200 rpm
Control valve	9 sections
Diagnostic quick couplers	8

TRANSMISSION

Brand	ZF	
Model	ZF TC LOCK UP 6WG-210	
Type	Torque converter with lock up (also functioning as Direct Drive) Powershift, electronic gear shift control, automatic, no inching pedal for progressive advance	
Rated flow @ 2,500 rpm	31 gpm (117.5 l/min)	
Crankcase	Integral	
Drive gears	6 forward / 3 reverse	
Travel control	Electronic control, single "pulsing" lever and automatic module	
Fault diagnostics system	On-board	
Speeds – mph (km/h)		
	Forward	Reverse
1st	2.8 (4.5)	3.0 (4.8)
2nd	4.3 (6.9)	7.3 (11.7)
3rd	6.9 (11.1)	17.0 (27.2)
4th	10.5 (16.9)	-
5th	16.1 (25.9)	-
6th	24.1 (38.8)	-

STEERING

Type	Hydrostatic steering
Angle - right and left	42°
Steering wheel turns (lock-to-lock)	4,5
Pump capacity @ 2.200 rpm	11.1 gpm (41.8 l/min)
Pressure relief	2.530 psi (175 bar) built into the steering priority valve
Cylinders	2
Diameter	2 in (50.8 mm)
Stroke	11.8 in (301 mm)
Rod diameter	1 in (25.4 mm)
Supplemental steering	Integral
SAE J53 and J1511	

ARTICULATION

Type	Hydraulically driven (with lock out system)
Range	25° left/right
Controls	Hydraulic

DRAWBAR

Type	"A" frame welded construction with centre mounted circle turn motor
Connection with the chassis	Shim adjustable ball stud

CIRCLE

Type	Welded construction
Maximum outer diameter	5' 9" (1,752.6 mm)
Rotation	360°
Speed	1,2 rpm (7,2°/second)
Drive	Hydraulic motor
Type	Gearmotor
Nominal hydraulic flow	25 gpm (95 l/min)

CAPACITIES

Motor	3.96 gal (15 l)
With filter change	4.22 gal (16 l)
Fuel	95 gal (360 l)
Transmission	7.66 gal (29 l)
With filter change	8.18 gal (31 l)
Engine water cooling system	8.45 gal (32 l)
Hydraulic oil reservoir	23.77 gal (90 l)
Hydraulic system	39.09 gal (148 l)
Circle gearbox	3 qt (2.8 l)
Tandem case (each)	18.22 gal (69 l)

MISCELLANEOUS

Front counterweight	With no front implement and with rear ripper
Saddle	5 positions

MOLDBOARD

Type	High-carbon steel
Shape	Involute curve
Width	14 ft (4,267 mm)
Height (curve profile)	2 ft 2.5 in (671 mm)
Thickness	0.86 in (22 mm)
Cutting edge	2, interchangeable
Blade pitch positions	
Normal pitch	47°
Minimum pitch	42°
Maximum pitch	87°
Blade shift Front section	
Right	2 ft 3 in (686 mm)
Left	1 ft 9 in (533 mm)
Maximum bank cutting angle	
Rear (left and right)	90°
Ground penetration (max.)	2 ft 4 in (711.2 mm)
Lift above the ground (max.)	1 ft 5 in (444.5 mm)
Blade side shift and pitch	Hydraulic Type

SCARIFIER

Type	Front mounted
Width of cut	3 ft 10 in (1168 mm)
Teeth	5 (optional, 11)
Spacing between the teeth	9 in (229 mm) 4.5 in (114 mm, optional)
Lift above ground	1 ft 8 in (527 mm)
Maximum penetration	1 ft 0.5 in (318 mm)
Weight	1256 lb (570 kg)

OPERATING WEIGHT

With a blade of 14' (4.267 m), full tank, cab, headlights, STD batteries, 17,5x25 - 12PR - L2, ripper and front counterweight

	39.948 lb (18.120 kg)
Weight, front axle	10.831 lb (4.913 kg)
Weight, rear axle	29.116 lb (13.207 kg)
Blade pull force	26.205 lb (11.886 kg)
Blade penetration force	18.419 lb (8.355 kg)
Ripper penetration force	20.697 lb (9.388 kg)

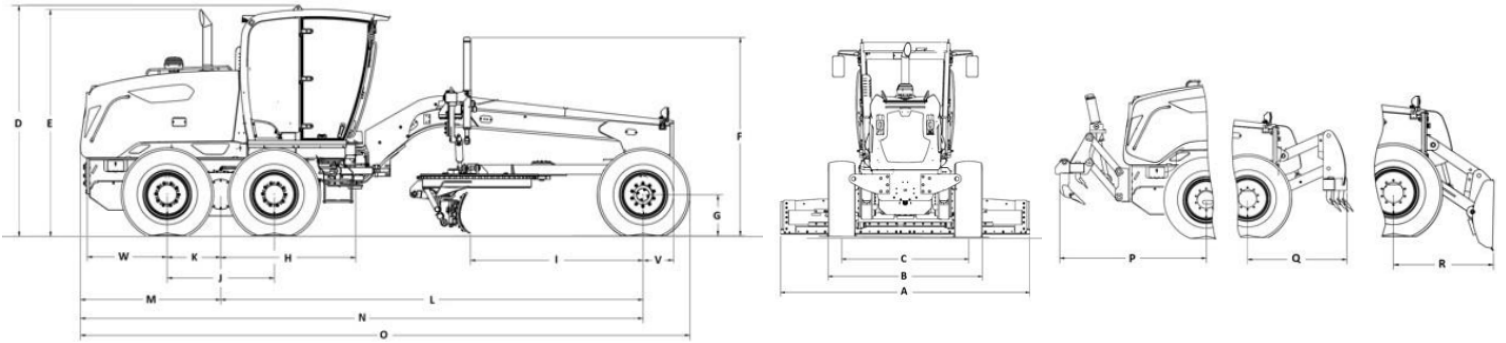
REAR RIPPER

Type	Paralelogramo
Cutting width	7 ft 2 in (2195 mm)
Ripper teeth	3 large + 5 small
Optional teeth	+ 2 large + 4 small
Lift above ground	
Large teeth	1 ft 8 in (518 mm)
Small teeth	2 ft 3.7 in (703 mm)
Maximum penetration	
Large teeth	1 ft 5.2 in (437 mm)
Small teeth	9.9 in (252 mm)
Weight (3 large + 5 small)	1874 lb (850 kg)

FRONT BLADE

Type	Front mounted
Width	9 ft 0.7 in (2762 mm)
Height	3 ft 1.5 in (953 mm)
Lift above ground	2 ft 0.5 in (622 mm)
Penetration	6.5 in (165 mm)
Weight	2568 lb (1.165 kg)

DIMENSIONS



A – Blade width	14' (4267 mm)
B – Distance between wheels measured at outside of tyres (Total width for transport)	8' 9" (2669 mm)
C – Distance between the wheels	7' 1" (2174 mm)
D – Height to top of cab	
High profile cab	11' 1" (3400 mm)
Low profile cab	10' 6" (3200 mm)
E – Height to top of exhaust pipe	10' 10" (3323 mm)
F – Height to top of blade lift cylinder	10' (3047 mm)
G – Static tyre radius	2' (610 mm)
H – Distance from centre of tandem to chassis pivot pin	6' 5" (1958 mm)
I – Distance between front axle and blade	8' 5" (2562 mm)
J – Distance between centre of rear tyres	5' 4" (1624 mm)
K – Distance between centre of tandem and wheel	2' 8" (812 mm)
L – Wheelbase	20' 5" (6219 mm)
M – Distance between centre of tandem and rear section of the equipment	6' 9.3" (2064 mm)
N – Distance between the front wheel axle and the rear of the equipment	27' 2" (8283 mm)
O – Total length	29' 4.6" (8957 mm)
P – Distance between rear tyres and ripper	7' 4.5" (2247 mm)
Q – Distance between front tyres and scarifier	5' (1520 mm)
R – Distance between front tyres and front blade	5' 4" (1626 mm)
Turning radius (outside the tyres)	23' 9" (7250 mm)

All units equipped with 17.5 x 25-12PR tyres, ROPS/FOPS cab, standard battery, full fuel tank, operator weighing 165 lb (75 kg), specifications per ISO 7134.

STANDARD EQUIPMENT

Operator cab

ROPS/FOPS high closed cab
(fixed front window) with:
Air conditioning (*)
Adjustable cloth mechanical suspension seat with 2" (50.8 mm) seat belt
Adjustable operator console
Pedal accelerator
Manual accelerator
Front upper windshield wiper with washer
Safety glass
Dome light
Internal and external rearview mirrors
12 V socket (*)
Automatic master switch
Steps on the right-hand and left-hand sides
(*) Only available in closed cabs

All ROPS/FOPS cabs are certified according to standards SAE J1040 (ROPS) and SAE J231 (FOPS).

Engine

FPT 6.7 L turbocharged, diesel,
Tier 3 certified
Electronic fuel injection
Dry air filter with primary and secondary safety elements
Air pre-filter with cyclonic dust ejector
90 A alternator
10,5 hp (7,8 kW) starter motor
Swing-up hood with electric opening and closing

Hydraulic system

Closed centre, load-sensing hydraulic system
9-section control valve
Hydraulic control for all functions:
blade lifting (right and left side), circle turn, circle side shift, wheel lean, chassis articulation, blade side shift and pitch, front and rear accessories
Diagnostics centre with 8 quick couplers
Movable saddle with 5 service positions and electro-hydraulic lock
Blade (4,267 x 671 x 22 mm) – (14')
Hydraulic axial piston pump
Hydraulic motor fan

Brakes

Multi-disk oil-bathed service brakes applied on four rear wheels, with two parallel circuits: one for right tandem wheels and another for left tandem wheels. With nitrogen accumulator safety system.
Dry disc parking brakes, applied by spring and hydraulic release.

Tyres

14" 3-piece rim / 17.25 x 25 – 12PR – G2 tubeless

Others

Standard tool set
Drawbar/Standard circle

Axles

Conventional differential with four-wheel braking and differential lock with electro-hydraulic power drive (rear axle)

Steering

Hydraulic steering with built-in emergency system

Instruments

Electronic Information Centre
Indicators/gauges:
Speedometer
Tachometer
F/N/R direction selected
Transmission modes – automatic/manual
Selected Gear
Engine coolant temperature
Fuel level
Transmission oil temperature
Hydraulic oil temperature
Hourmeter
Fuel consumption
Engine diagnostics
DeClutch activation indicator
Transmission diagnostics

Indicator lights

Low fuel level
Flood lights
High Beam
Brake pressure
Main alert
Parking brake

Audible alerts

Caution alert
Emergency alert
Reverse alert

Electrical system

Lights:
Front headlight with turn signal (2)
Brake light and rear turn signal (2)
Cab mounted rear flood light (2)
Cab mounted front flood light (2)
24 V system (2 x 12 V / 1010 CCA batteries)
Electrical system monitoring
Horn
Hour Meter
Back up alarm

Transmission

ZF Transmission, torque converter type with lock up (also functions as Direct Drive), Powershift, 6 forward and 3 reverse speeds, automatic gear shifting, emergency device in case of electrical failure (Limp-Home)

Rear implement

Ripper with 3 large teeth and 5 small teeth
1,874 lb (850 kg)

Front implement

Front counterweight 1,085 lb (492 kg)



Conformities ISO
Standards SAE

Cab ROPS	SAE J1040
Cab FOPS	SAE J231
	Power
Gross	SAE J1995
Net	SAE J1349
	Torque
Gross	SAE J1995
Net	SAE J1349
Brakes	SAE J150/ISO-3450
Parking Brake	ISO-3450
Steering	SAE J53 / J1511
Additional steering	SAE 1011 / ISO-5010
Turning radius	ISO-7457
Hydraulic motor turning radius	SAE J499
	Engine
External noise	SAE 1372 / ISO-6393
	Cab
Internal noise	SAE J919

OPTIONAL EQUIPMENT

Cab (ROPS/FOPS)

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

Other

Heater and fan for closed cab
Acoustic insulation for closed cab
Fire extinguisher
Windshield washer and lower windshield wipers
Rear windshield washer and wipers
Radio
Tandem locking device
Sun visor (front and rear)
Rear defroster

Front implement

Dozer blade	2568 lb (1165 kg)
Light push plate	1085 lb (492 kg)
Heavy push plate	1764 lb (800 kg)
Front Ripper with 5 teeth 6 additional teeth for front ripper	1521 lb (690kg)

Dozer blade float electrovalve

Rear implement

Additional teeth for ripper:
2 large and 4 small
Rear pull hook
Machine lifting cradle

Blade

Blade	12' (3,658 x 622 x 22 mm)
Blade	13' (3,962 x 671 x 22 mm)
Right blade extension	2" (610 mm)
Left blade extension	2" (610 mm)

Heavy Duty cutting edge Additional

Work lights

2 work lights behind the blade
2 service lights in front of the moldboard
2 rear implement work lights

Lock/Floating/Anti-shock – moldboard and circle

Moldboard lifting cylinder lock valve
Moldboard float electrovalve (incorporates lock valve)
Anti-shock electrovalve with 2 accumulators for moldboard
Anti-shock electrovalve with 3 accumulators for moldboard and circle

Seat/Safety belt

Vinyl seat with mechanical suspension
Cloth seat with air suspension
Seat belt 3" (76,5 mm)

Other optional items

Beacon light
Luxury tool box
Toolbox without tools with support, fixed on front chassis
Slow moving vehicle sign
Electric pump to inflate tyres
Spare tyre cradle

Tyres and mounted rims

Tubeless tyres

9" rim – one-piece / 14x24 tyre – 12PR – G2
10" rim – 3-piece / 14x24 tyre – 12PR – G2
13" rim – one-piece / 17.5x25 tyre – 12PR – L2
14" rim – 3-piece / 17.5x25 tyre – 16PR – L3

Tube tyres

9" rim – one-piece / 14x24 tyre – 12PR – G2
10" rim – 3-piece / 14x24 tyre – 12PR – G2

Tubeless radial tyres

9" rim – single-piece / 14x24 tyre – L2 – RADIAL XGLA2
10" rim – 3-piece / 14x24 tyre – L2 – RADIAL XGLA2

Rims

9" rim – single-piece with valve
13" rim – single-piece with valve
10" rim – 3-piece with valve
14" rim – 3-piece with valve



Fleet monitoring and management system by satellite or cel phone tracking.

CASE Corporation reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold. The specifications, descriptions, and illustrative materials contained here reflect correctly the data known up to the publication date, but are subject to changes with no previous notice. The illustrations may include optional equipment and accessories and may not include all standard equipment.

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