GRADER 845B VHP / 865B VHP





GRADES THAT DEFINE THE CUTTING EDGE

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EXPERTS FOR THE REAL WORLD
SINCE 1842

845B VHP / 865B VHP

SPECIFICATIONS

ENGINE		8	845B VHP	865	B VHP
Brand				FPT	
Model		F4H	IE9684L	F4HE96	87C
Type		. El	ectronic Com	ımon Rail fue	l System,
		Wa	iter Cooled, 4	Cycle, Direc	t Injection,
		Tu	rbocharged a	and Charge A	ir Cooled.
			(EPA TII	ER 3 certified	i.)
Cylinders			(6, in line	
Bore x stroke			104	1 x 132 mm	
Engine displacement				6.7 I	
Horsepower at 2.200 rpi					
Gross (SAE J1995 Gross					
Low Curve		. 150	hp (112 kW)*	193 hp (144 kW)*
Medium Curve		. -		205 hp (153 kW)**
High Curve		173	hp (129kW)**	' 220 hp (164kW)***
Net (SAE J1349)		1		1	
Low Curve			hp (104 kW)*		133 kW)*
Medium Curve		. -	/4.4.01.14.04.4	190 hp (142 kW)**
High Curve			hp (119kW)**	205 np (153kW)***
Maximum torque at 1.50					
Gross (SAE J1995 Gross		1050	M#	1 000 N	
Low Curve		. 659	Nm*	830 Nm	
Medium Curve		. -	N++	880 Nm	
High Curve		/58	Nm^^	930 Nm	^^^
Net (SAE J1349)		1 504	M #	740 N	
Low Curve		. 591	Nm*	743 Nm	
Medium Curve			Noo**	788 Nm	
High Curve		0/8	INITI	832 Nm	
865B VHP - * 1st and 2nd Gr POWERTRAIN Rear axle Vertical ground clearance					
Vertical ground clearance Differential		lim	ited slin	Hvdraul	ic Lock
Brakes		. =	Niek	bathed in oi	I 20011
Number of disks per brak	Δ	-	Disk,	5	•
Tandem	·	-		3	
Type			We	elded Plate	
Oscillation				each direction	n
Front axle		-	20 111	odon dirootiv	,,,
Type			High-resis	tance welded	d steel
Oscillation		-		each direction	
Wheel lean		-	15.3° in e	ach direction	
Vertical ground clearance		580 r		622 mm	
Tires				L-G2 tubeless	
Rims		-		(single piece)	
		-		(J - p)	
TRANSMISSIO	JN				
Model		-		CK UP 6WG -	
Type					
		To	orque conver		
Gears		-		ard / 3 rever	se
Self-diagnostic system				On board	
Speeds - km/h			ward		rerse
	1	VHP		845B VHP	
1 st	5	.0	5.4	5.3	5.5
Ond		7			

7.7

11.8

18.2

27.2

41.5

 5^{th}

8.1

12.4

19.2

28.7 44.1 12.5

28.6

13.1

30.3

CIRCLE	845B V	HP	865B VHP
Type	1.2	1.752 36 rpm (7 Hydr Motor r 0,25 75 I	onstruction ,6 mm 50° .2°/second) raulic reductor I/turn /min 4
TypeSteering angleSteering angleSteering wheel turns (lock to lock Pump capacity at 2.200 rpmPressure release valveintegrated with the priority steerin CylindersSupplemental steering		4: 4. 41.8 151	ostatic 2° 75 I/min bar 2 rated
ARTICULATION Type Angle Controls FRAME	(wit	th a loci 5° to the	y activated k system) e left/right aulic
Type Front section Size Weight Rear section Size Weight	153.3 kg/m	254 x 2	
DRAWBAR Type Connection with the frame Saddle HYDRAULIC SYST	with cent Shim ad	ter mou ljustabl	ed construction inted turn motor e spherical joint sitions
Type	Piston pun	np, varia L/min a 9 sec	r, load sensing able displacement at 2.200 rpm ctions 8
PowerAlternatorBatteriesLights Front headlisght with direction ind Rear brake light and direction ind Rear work light on top of the cabi Front work light on top of the cabi Monitoring of electronic systems	80 A 2x100 Ah dicators icators	– low r	4 V 90 A maintenance 2 2 2 2

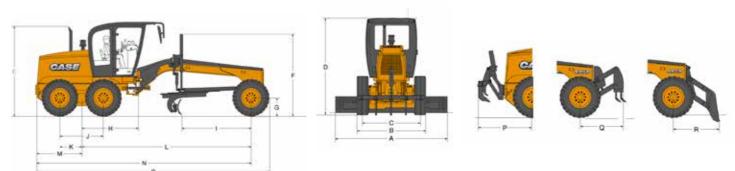
REFILL	845B VHP	865B VHP	BLADE	845B VHP	865B VHP
CAPACITIES			Form	- ,	te curve
Engine	17.	51	Width	_ 3.658 mm	3.962 mm
with a change in filter			Height (curved profie)	_ 622 mm	671 mm
Fuel			Thickness	_ 22	? mm
Transmission			Cutting edge	_ 2, interc	hangeable
with a change in filter			Blade side shift		
Engine water cooling system			Right	_ 686	6 mm
Hydraulic oil tank			Left	_ 535	3 mm
Rear axle centre	· i	44	Maximum bank-cutting angle		
Circle turn housing	. 1 1		(left and right)	_	90°
Tandem case (each)			Ground penetration (max.)	_ 711	.2 mm
idilueili case (eacii)	. 09	1	Lift above ground (max.)	_ 444	.5 mm
			Blade side shift and pitch	_ Hydra	ulic type

OPERATING WEIGHT

With standard blade, operator weight 75 kg, full tank, fully service and standard equipment.

	WEIGHT	845B VHP	865B VHP
Front axle	kg	4.496	4.600
Rear axle	kg	10.109	10.730
Machine	kg	14.605	15.330
Blade load	kg	7.645	8.341

GENERAL DIMENSIONS



			845B VHP	865B VHF
Α	Blade width	mm	3.658	3.962
В	Tread width	mm	2.499	2.452
C	Tread gauge	mm	2.106	2.106
D	Height to top of cab			
	High-profile cab	mm	3.340	3.340
	Low-profile cab	mm	3.140	3.140
E	Height of top of exhaust	mm	3.323	3.323
F	Height to top of blade lift cylinder	mm	3.047	3.047
G	Tire static radius	mm	610	610
Н	Distance between tandem center and the frame articulation pin	mm	1.958	1.958
I	Distance between the front axle and the blade	mm	2.562	2.562
J	Distance between the center of the rear tires	mm	1.572	1.572
K	Distance between tandem center and the wheel	mm	786	786
L	Wheelbase	mm	6.219	6.219
M	Distance between tandem center and the rear part of the equipment	mm	1.650	1.650
N	Distance between the front wheel axle and the rear part of the equipment	mm	7.869	7.869
0	Overall length	mm	8.534	8.534
P	Distance between the rear tires and the ripper	mm	2.028	2.028
Q	Distance between the front tires and the ripper	mm	1.520	1.520
R	Distance between the front tirees and the dozer blade	mm	1.626	1.626
	Turning radius (outside the tires)	mm	7.250	7.250
	Ground clearance – rear axle	mm	380	380
	Ground clearance – front axle	mm	580	622

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.

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CONSTRUCTION

STANDARD

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 sunshade (front
 - (*) Only available in closed cabins

- Turbocharged, diesel

 Dry air filter with primary and secondary safety elements
- Air pre-filter with cyclonic dust ejector
- Alternator
- Swing-up hood

- 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 Movable saddle with 5 service positions
- and hydraulic lock

- 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

9" single piece rim / 14 x 24 - 12L - G2 tubeless

Drawbar / Standard circle

845B VHP

- "Limited Slip" torque differential (anti-skid system) **865B VHP**
- "Differential lock" torque differential
- 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 DeClutch activation indicator
- Transmission diagnostics

INDICATOR LIGHTS

- Low fuel level
- Floodlights
- High beam
- Brake pressure
- Main alert
- Parking brake
- Warning alert
- Emergency alert
- Reversing alert

TRICAL 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)

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All ROPS/FOPS cabins are certified 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)
- Closed low cab (fixed front window) Closed low cab (front flip-down window)
- Ventilation box for closed cab
- Heater for closed cab
- Air conditioner for closed cab Acoustic insulation for closed cab
- Fire extinguisher
- Windshield washer and lower windshield wipers
- Rear windshield washer and wipers
- Radio Tandem lock device
- Rear fogger

Drawbar / Heavy Duty circle

- Dozer Blade

- Push plate
 5 tooth front scarifier
 6 additional teeth for the front scarifier
- Dozer blade float electrovalve
- Front counter weight

- 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
- Heavy Duty cutting edge extra

- REAR ATTACHMENT
 Ripper with 5 teeth for 845B VHP
- Ripper 3 teeth and Sacrifier 5 teeth for models 845B VHP and 856B VHP
- Additional teeth (2 for ripper + 4
- Rear pull hook
- Support for lifting the machine
- 2 work lights behind the blade
- 2 work lights mounted in front of the moldboard
- 2 work lights on the front attachment
- LOCK/FLOATING/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

- Extra quality vinyl mechanical suspension seat

- Mechanical suspension fabric seat Pneumatic mechanical suspension
- fabric seat 3"
- 76.5 mm seatbelt
- 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

Tubeless tires

- 10" Rim 3 piece / 14x24 tire 12L G2 13" Rim single piece / 17.5x25 tire -121 - 12
- 14" Rim 3 piece / 17.5x25 tire -12L - L2
- 14" Rim 3 piece / 17.5x25 tire -16L - L3

Tires with tubes

- 9" Rim single piece / 14x24 tire -
- 12L G2 10" Rim 3 piece / 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 13" Rim single piece with valve
- 10" Rim 3 piece with valve 14" Rim 3 piece with valve

- Type: Front mounted Cutting width: 1.168 mm Teeth: 5 (optionally, 11)
- Spacing between teeth: 229 mm (114 mm, optional)

- Lift above ground: 527 mm Maximum Penetration: 318 mm Weight: 570 kg EAR RIPPER 845B VHP
- Type: Parallelogram Cutting width: 2.185 mm
- Ripper teeth: 5
- Lift above ground 505 mm Maximum penetration 350 mm

Weight: 640 kg EAR RIPPER & SCAR 15B VHP -865B VHP

- Type: Parallelogram
- Cutting width: 2.185 mm
- Teeth base: ripper 3 + scarifier 5 Teeth additional: ripper 2 + scarifier 4
- Lift above ground Ripper teeth: 518 mm
- Scarifier teeth: 703 mm Maximum penetration
- Ripper teeth: 437 mm
- Scarifier teeth: 252 mm Weight: 795 kg (845B) Weight: 850 kg (865B)

- Type: Front mounted
- Width: 2.762 mm Height: 953 mm
 - Lift above ground: 622 mm Penetration: 165 mm Weight: 1.165 kg

Standard and optional equipment shown can vary by country. CASE NEW HOLLAND CONSTRUCTION EQUIPMENT (INDIA) PRIVATE LIMITED

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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.