

# B90C

## BACKHOE LOADERS C SERIES



### ENGINE

Make and Model	FPT NEF F4GE9484C
Injection system	Direct Mechanical
Emissions level	Tier 3
# of cylinders	4
Bore / Stroke	104 mm x 132 mm
Displacement / Compression ratio	4.5 ltr / 17.5 to 1
Engine rated Power (ISO 14396)	72 KW (97 hp) @ 2200 rpm
Maximum torque (ISO 14396)	420 Nm @ 1250 rpm
Engine speeds	2200 rpm (rated speed at full load) / 950-1000 rpm (low speed at no load)

### TRANSMISSION

Type	Powershuttle 2WD or 4WD
Model	Carraro TLBI MPB 2WD or 4WD
Forward travel speeds (kph)	6 - 10 - 21 - 40
Reverse travel speeds (kph)	7 - 12 - 26 - 47

### FRONT AXLE

Model	2WD / 4WD Heavy duty
Oscillation	+/- 11°

### REAR AXLE

Model	Carraro 28.44FR with Differential lock
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### BRAKES

Service brakes	Hydraulic foot operated, 2 discs per side
Parking brakes	Mechanically actuated wet brake pack on transmission output shaft

### TIRES

Front	16" (2WD) - 18" or 20" (4WD)
Rear	26" or 28" (4WD)

### STEERING

Type	Hydraulic Power Steering
System pressure / Displacement	180 bar / 160 cc
Turning radius 4WD (external radius)	With 18" tires: 4300 mm with brakes off 3600 mm with brakes on

### HYDRAULIC SYSTEM

Type	Load sensing closed center hydraulic system with twin gear pump
Flow (@ 2200 rpm)	156 l/min
Pressure	205 bar

### SERVICE CAPACITIES

Engine oil	13.6 l
Transmission oil 2WD/4WD	18.5/20.8 l
Front axle 4WD oil	9.6 l
Rear axle oil	16.3 l
Hydraulic oil	132 l
Fuel tank	132 l
Coolant	24 l

### ELECTRICAL SYSTEM

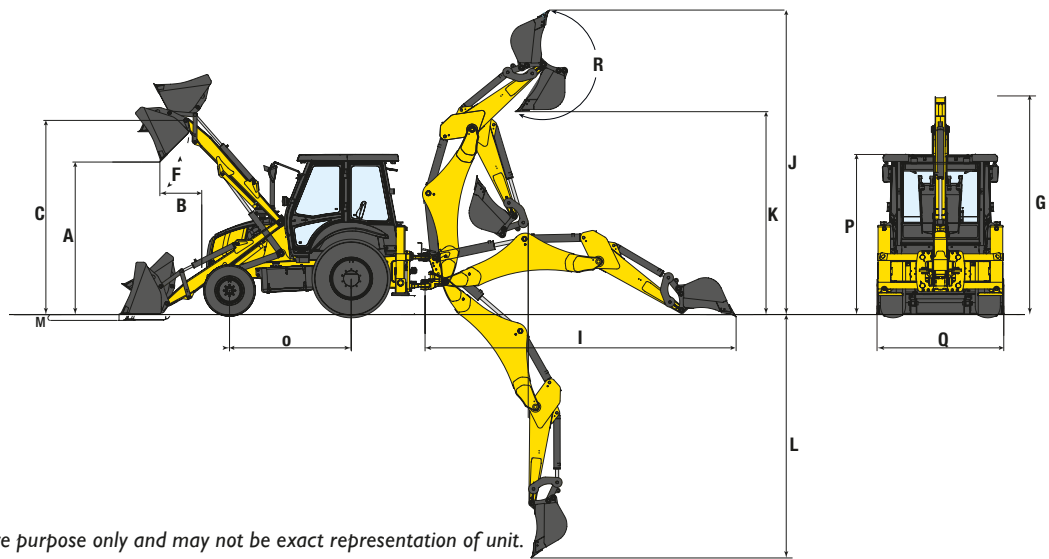
Voltage	12V
Battery	Single: 95 Ah 900 A or Double: 60 Ah, 600 A (each)
Alternator	120 A

### CAB

Certification	ROPS / FOPS
Air Conditioning	Optional
Storage compartments capacity	45 l including: 2 lockable, cooling box
Speedometer	Optional
Bluetooth radio	Optional

### NOISE

Internal (cab)	77 dB(A)
External	102 dB(A)



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

LOADER (4WD configuration)		TOOL CARRIER LOADER ARM		STRAIGHT LOADER ARM		
		Std bucket	4x1 bucket	Std bucket	4x1 bucket	
A	Maximum dump height under bucket at 45°	mm	2606	2665	2711	2733
B	Dump Reach at full height	mm	844	771	815	757
C	Maximum height pin	mm	3461		3498	
F	Dump angle	°	43		40	
M	Below ground level digging depth	mm	166	139	105	158
	Maximum lifting capacity @ ground level	kg	5670		4970	
	Maximum lifting capacity @ max height	kg	3678		3553	
	Loader breakout force	daN	3015		3625	
	Bucket breakout force	daN	4062	4076	6340	6220

BACKHOE		IN-LINE CYLINDER				
		STD DIPPER	EXTENDABLE DIPPER	STD DIPPER	EXTENDABLE DIPPER	
Backhoe size	ft	14		15		
Swinging angle	°	180				
I	Maximum reach from swing center	mm	5579	6313	5831	6965
J	Maximum operating height	mm	5425	6173	5616	6348
K	Maximum loading height	mm	3658	4424	3867	4601
L	Maximum digging depth	mm	4385	5627	4666	5881
R	Bucket rotation	°	203			
	Bucket breakout force	daN	4745			
	Dipper breakout force	daN	3767	2592	3358	2389

OVERALL DIMENSIONS						
G	Boom height (transport position)	mm	3800	3882	3800	3882
O	Wheel base	mm	2183			
P	Cab height	mm	2859			
Q	Overall width with standard loader bucket	mm	2340		2394	
	Minimum ground clearance	mm	337			

Operating weight range	Kg	8010 - 9220
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Operating weight is subject to machine configuration and attachment options

OPTIONAL BUCKETS			
LOADER	CAPACITY (SAE LTR)	IN-LINE CYLINDER BACKHOE	CAPACITY (SAE LTR)
Standard	1000 / 1150	610 mm backhoe trenching	180
4x1	1000 / 1150		
6x1	1000 / 1150		

**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 New Holland Construction 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

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