

# BI10C

## BACKHOE LOADERS C SERIES



ENGINE	
Make and Model	FPT NEF - F4HE9484C
Injection system	High Pressure Common Rail
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)	82 KW (110 hp) @ 2200 rpm
Maximum torque (ISO 14396)	516 Nm @ 1400 rpm
Engine speeds	2200 rpm (rated speed at full load) / 950-1000 rpm (low speed at no load)

TRANSMISSION		
Type	Powershuttle 4WD	Powershift 4WD
Model	Carraro TLB1 MPB 4WD	Carraro TLB2 MPB 4WD
Forward travel speeds (kph)	6 - 10 - 21 - 40	
Reverse travel speeds (kph)	7 - 12 - 26 - 47* <small>*only for Powershuttle</small>	

FRONT AXLE	
Model	4WD Heavy duty
Oscillation	+/- 11°

REAR AXLE	
Model	Carraro 28.50FR with Differential lock

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

TIRES	
Front	18" or 20"
Rear	26" or 28" or 30"

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

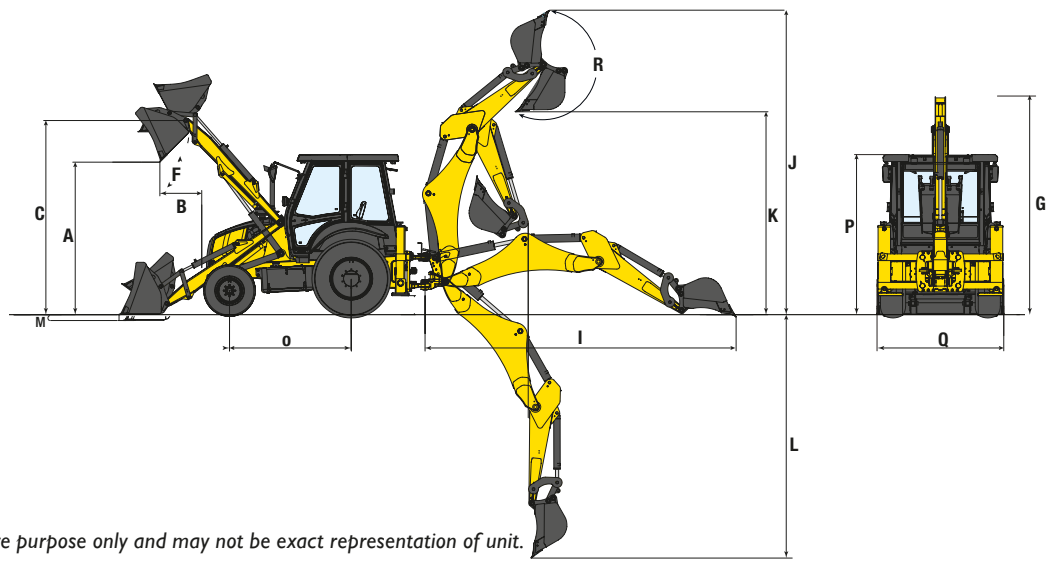
HYDRAULIC SYSTEM		
Type	Load sensing closed center hydraulic system with twin gear pump	Load sensing closed center hydraulic system with variable displacement pump
Flow (@ 2200 rpm)	167 l/min	15 to 165 l/min
Pressure	205 bar	

SERVICE CAPACITIES	
Engine oil	13.6 l
Transmission oil	20.8 l
Front axle 4WD oil	9.6 l
Rear axle oil	17.8 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	103 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	4745
	Maximum lifting capacity @ max height	kg	3678		3553	3290
	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	8080 - 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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