

BI15C

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	Powershift 4WD - 4WS
Model	Carraro TLB2 MPB 4WS
Forward travel speeds (kph)	6 - 10 - 22 - 39
Reverse travel speeds (kph)	7 - 12 - 26 - N/A

FRONT AXLE	
Model	4WD with limited slip differential
Oscillation	+/- 8°

REAR AXLE	
Model	Carraro 26.43FR with limited slip differential

BRAKES	
Service brakes	Hydraulic foot operated, 3 discs per side
Parking brakes	Mechanically actuated wet brake pack on transmission output shaft

TIRES	
Front	24" or 28"
Rear	24" or 28"

STEERING	
Type	Hydraulic Power Steering
System pressure / Displacement	180 bar / 160 cc
Turning radius 4WD (external radius) With 28" tires:	8180 mm in 2WS mode with brakes off; 6820 mm in 2WS mode with brakes on; 4810 mm in 4WS mode with brakes off

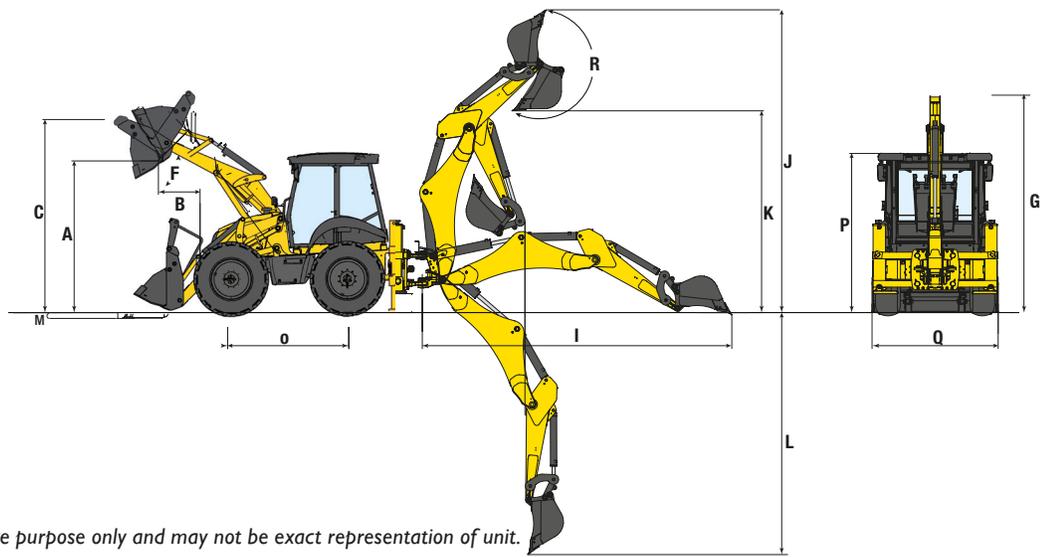
HYDRAULIC SYSTEM		
Type	Load sensing closed center hydraulic system with twin gear pump	Load sensing closed center hydraulic system with variable displacement pump
Flow (@ 2200 rpm)	167 l/min	15 to 165 l/min
Pressure	205 bar	

SERVICE CAPACITIES	
Engine oil	13.6 l
Transmission oil	20.8 l
Front axle 4WD oil	11.8 l
Rear axle oil	12.3 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	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		
		Std bucket	4x1 bucket	
A	Maximum dump height under bucket at 45°	mm	2708	2619
B	Dump Reach at full height	mm	799	587
C	Maximum height pin	mm	3478	
F	Dump angle	°	56	
M	Below ground level digging depth	mm	93	127
	Maximum lifting capacity @ ground level	kg	4770	4580
	Maximum lifting capacity @ max height	kg	3380	3075
	Loader breakout force	daN	3554	3536
	Bucket breakout force	daN	5411	5497

BACKHOE		IN-LINE CYLINDER		
		STD DIPPER	EXTENDABLE DIPPER	
	Backhoe size	ft	15	
	Swinging angle	°	180	
I	Maximum reach from swing center	mm	5831	6965
J	Maximum operating height	mm	5616	6348
K	Maximum loading height	mm	3867	4601
L	Maximum digging depth	mm	4666	5881
R	Bucket rotation	°	203	
	Bucket breakout force	daN	5971	
	Dipper breakout force	daN	3225	2389

OVERALL DIMENSIONS				
G	Boom height (transport position)	mm	3922	4013
O	Wheel base	mm	2200	
P	Cab height	mm	2964	
Q	Overall width with standard loader bucket	mm	2452	
	Minimum ground clearance	mm	450	

Operating weight range	Kg	8800 - 9310	
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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