

BACKHOE LOADERS B-SERIES

B80_B



**STRONGER, FASTER
MORE EFFICIENT**



B80B

**FPT ENGINE WITH
EXCELLENT POWER
AND TORQUE**

**'RETURN TO DIG'
MODE FOR A FAST
LOADING CYCLE**

**STRAIGHT LOADER
ARM ENSURES BEST
IN CLASS BREAKOUT
FORCE**



**SPACIOUS
CABIN WITH
HIGH VISIBILITY,
COMFORT
AND SAFETY**

**S-TYLED BACKHOE:
HIGH LOAD CAPACITY
AND LIFT HEIGHT**



**SAFE AND EASY
MAINTENANCE
POINTS FROM
GROUND LEVEL**

**EXTENDAHOE
FOR CRUCIAL
DIGGING DEPTH
CONDITIONS**

EXTENDAHOE FOR CRUCIAL DIGGING DEPTH CONDITIONS

The extendahoe allows the operator to increase the overall reach of the backhoe loader while keeping the same strength of a standard dipper. The extendahoe makes the backhoe comparable to the loader of a middle class excavator, but with higher flexibility and better transportability.



S-TYLED BACKHOE: HIGH LOAD CAPACITY AND LIFT HEIGHT

The inline cylinder backhoe provides high performance in terms of lifting capacity, digging depth and digging force and raises a new standard in this machine segment.



SPACIOUS CABIN WITH HIGH VISIBILITY, COMFORT AND SAFETY



A comfortable operator is confident and productive.

The largest cab in the industry offers a comfortable working space for both the operator and a potential assistant.

Visibility is excellent to the rear and to the bucket edge. The large, glazed windows and narrow cab pillars put you in command with clear, all-round visibility. There is a good view of the attachment and corners, which improves comfort and worksite safety for greater productivity. The very good view to the attachment and corners improves comfort and jobsite safety, for greater productivity.

All the controls have been specially positioned to offer easy access and faster control. The large window improves air ventilation in the cab and facilitates communication to the back of the machine. The cabin has a large buddy seat along with storage compartments, a mobile phone charger, document holder, bottle holder and radio. The mechanical suspension seat increases operator comfort with a cushioned upper high back. It is fully adjustable to provide the optimal driving position.

'RETURN TO DIG' MODE FOR A FAST LOADING CYCLE

Get the job done faster with the 'Return to dig' function. The 'Return to dig' option automatically sets the bucket back to the digging position, flat to the ground. The operator's life is made easier and long days operating the machine are made more comfortable.



FPT ENGINE WITH EXCELLENT POWER AND TORQUE

The new generation S8000 engine, developed by Fiat Powertrain Technologies Industrial (FPT Industrial), is a 3.9-liter, 4-cylinder engine that is turbo-charged after cooling with a mechanical injection system. The S8000 provides outstanding performance, such as High torque output with great fuel efficiency.

It has built a strong reputation for performance, economy and reliability with more than 3.000.000 units at work throughout the world in a wide variety of applications.

FPT Industrial: technological partner.

The S800 engine for the New Holland backhoe loader is manufactured at a dedicated state-of-the-art factory and assembly line, where advanced testing of the equipment puts every engine through rigorous quality checks at every key stage of production. By working closely with the world's leading component suppliers, we can guarantee that our engines are built to the highest quality standards, which ensure outstanding reliability and durability.

Optimized fuel combustion.

The S8000 engine is equipped with a Charge Air Cooler to improve and optimize air induction.

This solution provides outstanding fuel consumption during both production and travel, and especially for backhoe digging applications.



STRAIGHT LOADER ARM ENSURES BEST IN CLASS BREAKOUT FORCE



The loader arm is designed using an innovative system to meet customer needs in loading applications.

It provides excellent visibility and best-in-class tipping height, and breakout force

SAFE AND EASY MAINTENANCE POINTS FROM GROUND LEVEL

Best-in-class accessibility

Tilting engine hood provides excellent ground level access to the engine and service points.

Central service point location

Daily check and fill points are accessible from ground level for time saving and safety.

On the machine's left side, just above the fuel tank, you can easily reach the engine filters saving time and cost.

Easy diagnosis

Rapid engine diagnosis is possible through reading warning alarm signals on the dashboard.

Easy-to-reach protected battery

The battery is easily reached in the tool box located on the right-hand side, underneath the cap.

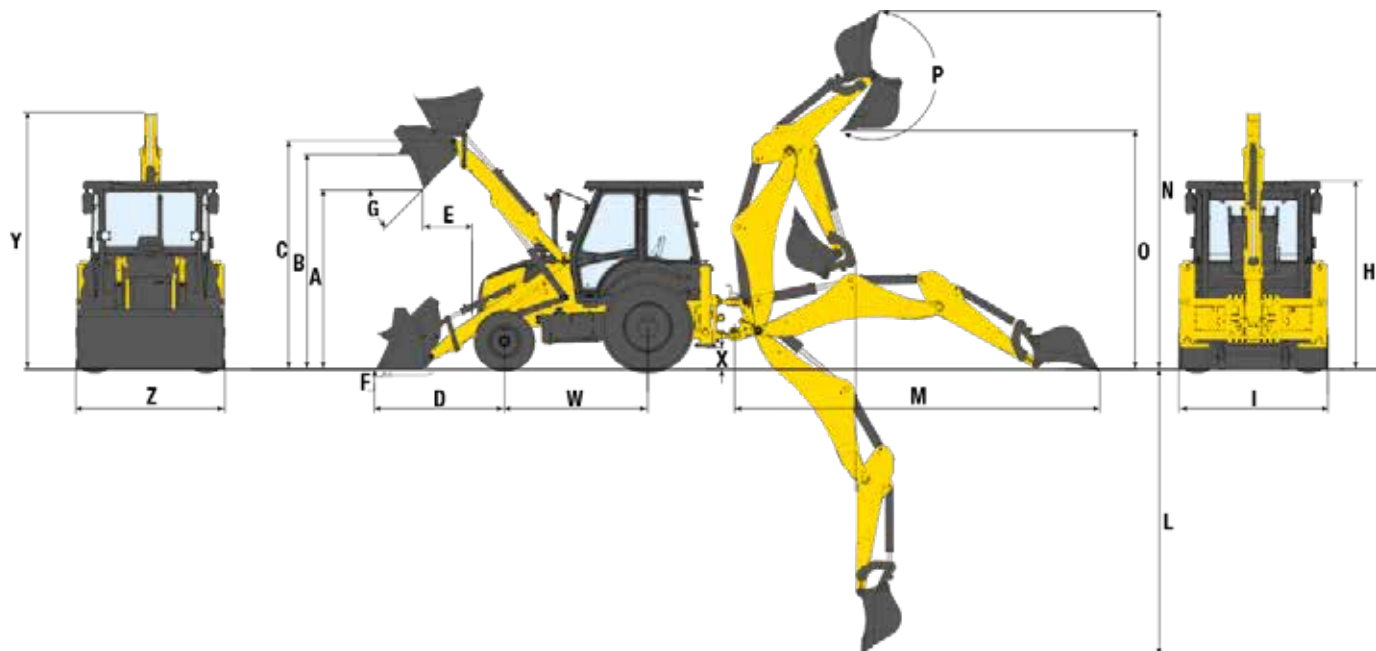
It is simple to access both the battery and the master switch by removing one panel.







SPECIFICATIONS	2WD/4WD		
ENGINE			
Model	8045.45.748		
Type	Turbocharged aftercooler		
Displacement / Compression ratio	3.9 l / 18.3:1		
Bore/Stroke	104 x 115 mm		
Horsepower Maximum (ISO 14396)	96 hp rated at 2200 rpm		
Torque maximum (ISO 14396)	420 Nm rated at 1300 rpm		
Engine speed - Rated speed full load	2200		
POWER TRAIN			
Transmission	CARRARO 2WD TLBI or 4WD TLBI		
Type	Power Shuttle with 4 forward and 4 reverse travel gears		
Gear	Forward - Reverse (speed km/h)		
1st - 2nd - 3rd - 4th Speed	6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR		
FRONT AXLE			
2-Wheel Drive (Standard) - Model	CARRARO 2WD TLBI		
Type - Oscillation	+/- 10.5°		
4-Wheel Drive (Optional) - Model	CARRARO 4WD TLBI		
Type - Oscillation	+/- 8°		
REAR AXLE			
Model	CARRARO 28.32M		
Type	Rigid		
BRAKES			
Servicing Brakes	Type: wet multi-disc / Nr. of discs: 6		
Parking Brakes	Type: Manual, with lever		
TYRE SIZE			
Location	BKT Front	BKT Rear	BKT Rear
Size	9.00-16(2WD) or 12.5-18(4WD)	16.9-28	14.00-25
HYDRAULIC SYSTEM			
Type	Closed center with double gear pump		
Flow rate	145 lpm @ 2200 rpm		
Pressure	210 bar		
STEERING			
Type	Load sensed steering system		
System pressure	140 bar		
CABIN			
Certification ROPS/FOPS	ISO 3471/ ISO 3164		
Air conditioning	Optional		
SERVICE CAPACITIES			
Engine oil	8.6 ltr		
Trasmission oil	14.4 ltr		
Front axle oil	10.3 ltr		
Rear axle oil	19.7 ltr		
Hydraulic oil	107 ltr		
Fuel tank	129 ltr		
Coolant	24 ltr		



GENERAL DIMENSIONS			B80B 2WD	B80B 4WD
A	Dump height	mm	2650	2720
B	Load over height	mm	3205	3275
C	Hinge pin height	mm	3510	3580
D	Reach at ground	mm	1980	1980
E	Reach at full height-bucket dumped	mm	800	760
F	Below ground level-dig depth	mm	94	98
G	Dump angle	°	47	45
	Maximum lifting capacity @ max height	kg	3425	3425
H	Cab height	mm	2850	2870
I	Overall width	mm	2277	2277
	Overall operating weight	kg	7350	7350
W	Wheel base	mm	2175	2175
X	Minimum ground clearance	mm	400	400
Y	Overall height (Transport)	mm	3820	3800
Z	Width over bucket (Transport)	mm	2277	2277

BACKHOE SPECIFICATIONS			B80B standard dipper	B80B extendahoe dipper
L	Max. dig depth	mm	4399	5892
M	Reach ground level to swing center	mm	5625	7024
N	Max. working height	mm	5489	6405
O	Max. load over height	mm	3644	4459
P	Bucket rotation	°	204	204
	Bucket breakout force	kg	5725	5725
	Dipper digging force	kg	4369	3861 (retracted) / 2748 (extended)

PARTS AND SERVICE

The New Holland dealer network is, in itself, the best guarantee of continued productivity for the machines it delivers to its customers. New Holland service technicians are fully equipped to resolve all maintenance and repair issues, with each and every service point providing the high standards they are obliged to observe under New Holland's stringent quality guidelines. The New Holland global parts network ensures the fast and reliable replacement of parts for less downtime, increased productivity and, of course, profitable operation for its customers.



AT YOUR OWN DEALERSHIP

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