

BACKHOE LOADER

B90B | B115B



Backhoe Loaders. Versatility in all fields.

New Holland's B Series backhoe loader is an excavator and a wheel loader rolled into one. Particularly useful on farms and busy livestock units as well in any construction site: performance and ability to do a multitude of different tasks, no other machine is "multi-purpose" like the B Series.

Front loader

B90B is equipped with Straight Loader Arm: an effective design which provides higher visibility on the front of the machine, higher lift capacity and greater lift height. The anti-tipping function keeps the bucket on the correct position while lifting the load, so there is no risk of material spillage. B115B has the Tool Carrier loader arm suitable for intensive truck loading, with greater reach and return-to-dig function significantly it reduces the operator effort on repetitive loading operations speeding up the whole cycle. Excellent front loader visibility and the mechanical self-levelling feature make loading and unloading pallets really quick and simple.



Backhoe

The backhoe boom is designed like an excavator boom to achieve optimum digging performances and easy loading over trailer sides and obstacles. Both models can be equipped with fixed or extendable dipper arm; optional object handling kit (EU certified) and quick coupler enhance the machine versatility.

New Holland B90B is offered with a twin gear pump, the B115B is equipped with a variable displacement pump. Auxiliary hydraulic circuit is available to power many attachments: soil augers, large grabs and hydraulic breakers.



Tier 3 Engine and Clever Serviceability

The B Series range of backhoe loaders are powered by Tier 3 4.5L NEF engines developed in partnership with FPT Industrial. The B90B engine has a robust mechanical injection system, while the B115B engine is equipped with high pressure common rail injection to provide high power and torque for top loading performance.

A key factor to grant equipment performance and longevity is routine care. New Holland has designed the backhoe loader so it takes the minimum of time to carry out routine checks: one piece hood for full engine access and all key daily checks grouped together.



Tailored transmissions

New Holland offers its backhoe loaders with four wheel drive. The Powershuttle mechanical transmission on B90B features a gear lever incorporating de-clutch button and a shuttle lever on steering column. It is the ideal choice where the backhoe will see more use than front loader.

The automatic four-speed Powershift transmission of B115B includes a steering column mounted lever for both shuttle and gear selection, loader joystick carries on the de-clutch button. It is the right transmission choice for extensive front loader duties. The all-wheel steer B115 C has equal size front and rear wheels with selectable front, all-wheel and crab steer modes.



Class-leading operator environment

Climb aboard the cab of the B Series backhoe loaders and you find a comfortable, well-appointed operator environment with low noise levels of just 77dB(A). Powerful heating and, optional, air conditioning ensure operator comfort throughout the day. All the controls for the front loader are positioned on a single, right hand joystick; 4-in-1 or 6-in-1 bucket opening is also activated by roller from the lever. The fully adjustable seat can be turned through 180 degrees to reposition for use with the backhoe. Two floor mounted conventional levers or joysticks, mounted on fully adjustable towers, provide good feedback and response from the backhoe hydraulics.



SPECIFICATIONS

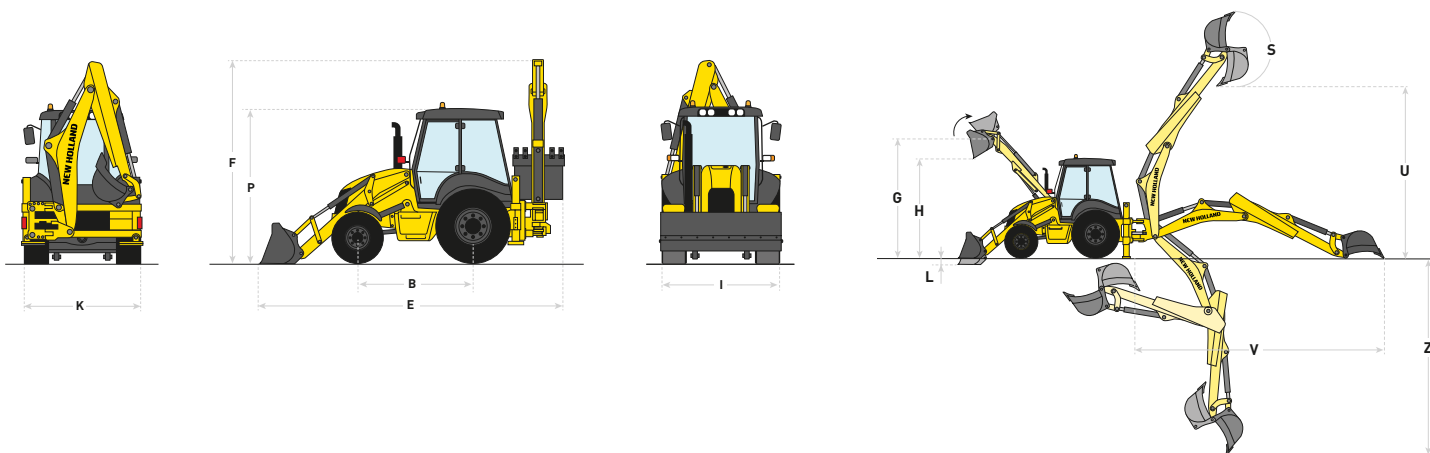
Models

B90B SLA

B115B TC

Engine		FPT Industrial			
No. of cylinders/Aspiration/Valves/Emission level Tier-Stage		4/T/2/3-3A			
Capacity	[cm³]	3400			
Bore and stroke		99x110			
Rated engine power ISO TR14396 - ECE R120	[kW/hp(CV)]	73/98	83/111		
Fuel tank capacity	[L]	132			
Hydraulics					
Standard pump flow @2200rpm / Optional MegaFlow™ pump flow @2200rpm	[lpm]	156 / -	6 to 165 / -		
Transmission					
Powershuttle transmission (40kph)		●	-		
Powershift transmission (40kph)		-	●		
Cab					
Noise level - internal / external	[dB(A)]	77 / 102	77 / 103		
Operating weight					
With standard backhoe and 4-in-1 bucket	[kg]	8120	8370		
With extendible backhoe and 4-in-1 bucket	[kg]	8800	9100		
Overall dimensions					
B - Wheelbase	[mm]	2175	2200		
E - Overall length	[mm]	5825	5945		
F - Height to top of boom	[mm]	3875	3930		
P - Cab height	[mm]	2940	3000		
I - Overall width including bucket	[mm]	2250	2400		
K - Overall width	[mm]	2325	2325		
Loader specifications					
Maximum loader breakout force	[daN]	6900	5413		
Lifting capacity to maximum height	[kg]	3550	3075		
L - Digging depth	[mm]	75	127		
G - Hinge pin height	[mm]	3500	3478		
H - Maximum dump height under bucket at 45°	[mm]	2780	2674		
Backhoe specifications		retracted	extended	retracted	extended
Bucket Breakout force max digging force	[daN]	6400	-	-	5971
Dipper breakout force max digging force	[daN]	4620	-	3350	2389
U - Dumping height	[mm]	3930	4585	3941	4662
V - Digging reach at ground level	[mm]	5870	6815	5433	6529
Z - Digging depth	[mm]	4710	5750	4489	5673

● Standard - Not available



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The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. Bts Adv. - Printed in Italy - 05/18 - (Turin) - RSA8492N/INB

New Holland prefers AMBRA lubricants