

B SERIES BACKHOE LOADERS

B110_B **B115_B**



BUCKET
POWER

B115B - B110B

UP TO 1,15 M³'

110 HP



BUILT AROUND YOU

BI15B/BI10B

ENVIRONMENTAL EFFICIENCY

%10 LESS FUEL
CONSUMPTION

BEST IN CLASS PRODUCTIVITY

MOST POWERFUL WITH
110 HP



A yellow New Holland backhoe loader is shown in the process of dumping a large pile of brown soil and rocks. The machine's bucket is tilted upwards, and the material is falling out. The loader is positioned on a dirt surface, and a modern, multi-story building with yellow and white walls is visible in the background under a cloudy sky. The loader's arm has "NEW HOLLAND" and "DB" written on it.

**COMFORTABLE FOR
THE OPERATOR**

COMFORTABLE CABIN

**LOW OPERATION
COST**

HIGH PROFITABILITY

B115B/B110B

**ENVIRONMENTAL CONCERN
LOW FUEL CONSUMPTION, LOW EMISSION**



The 4.5 litre turbocharged engines for the new machines are provided by FPT Industrial, a world-wide leader in the design, production and sale of powertrains for industrial applications, supplying among others Fiat Industrial brands such as New Holland Construction and Iveco. The Variable Displacement Pump hydraulic system is standard on B100B and above, contributing to a 10% fuel saving and a rapid return on investment.

LOW NOISE LEVELS FOR URBAN JOBSITES

- Reduced emission Tier III engine
- Low external noise levels
- Rubber pads under the stabilizers reduce ground damage

BEST IN CLASS PRODUCTIVITY

COMBINING THE PERFORMANCE OF A WHEEL LOADER AND AN EXCAVATOR



DIG, LOAD AND GRADE LIKE A CRAWLER EXCAVATOR!

Thanks to the curved arm design, load sensing hydraulics and extensive backhoe reach.



B115B/B110B

BEST IN CLASS PRODUCTIVITY

THE ABILITY TO DIG AND LOAD LIKE A POWERFUL WHEEL LOADER



Lifts 3,2 ton at 3,5 m dumping height

JUST LIKE A WHEEL LOADER!

- Maximize bucket filling with Powershift transmission and standard kick down function
- Easy leveling thanks to loader float function controlled from the joystick
- Shorter cycle times thanks to Automatic Return-to-dig button
- No loader arm bounce and increased bucket retention with optional Glide Ride
- Excellent traction in the worst conditions thanks to a 100% lockable differential, or a limited slip differential on the B115B

MORE POWER



SMOOTH CONTROL UNDER LOAD WITH POWERSHIFT



available on B110B and B115B, the Powershift transmission provides maximum operator comfort. In “full automatic mode” the transmission will auto-shift either up or down the gears, depending on speed and load, improving cycle times and simplifying road travel. For less sophistication, you can opt for our robust PowerShuttle transmission that is available on all models. It is the standard transmission on B90B and B100B.

MINIMIZED DOWNTIME



7100 or 110 hp that is 10 hp more than our main competitors!
Hydraulic side shift (option): Fast and accurate positioning of the boom without damaging the ground



Excellent lighting for night working



4 front working lights and 4 rear working lights (except B90B: 2 front + 2 rear)

BI15B/BI10B

**OPERATOR COMFORT MATTERS,
WELCOME ON BOARD!**

ROOMY CAB WITH EASY ACCESS



SIMULTANEOUS CONTROL

All loader and bucket controls are located on the joystick

DELUXE OPERATOR'S SEAT

- Adjustable comfortable armrest
- Pneumatically height adjustable suspension seat

EASY CLEANING

Removable floor covering and flat cab floor make cleaning easier

STORAGE ROOM

- Cup holder
- Wider glove box

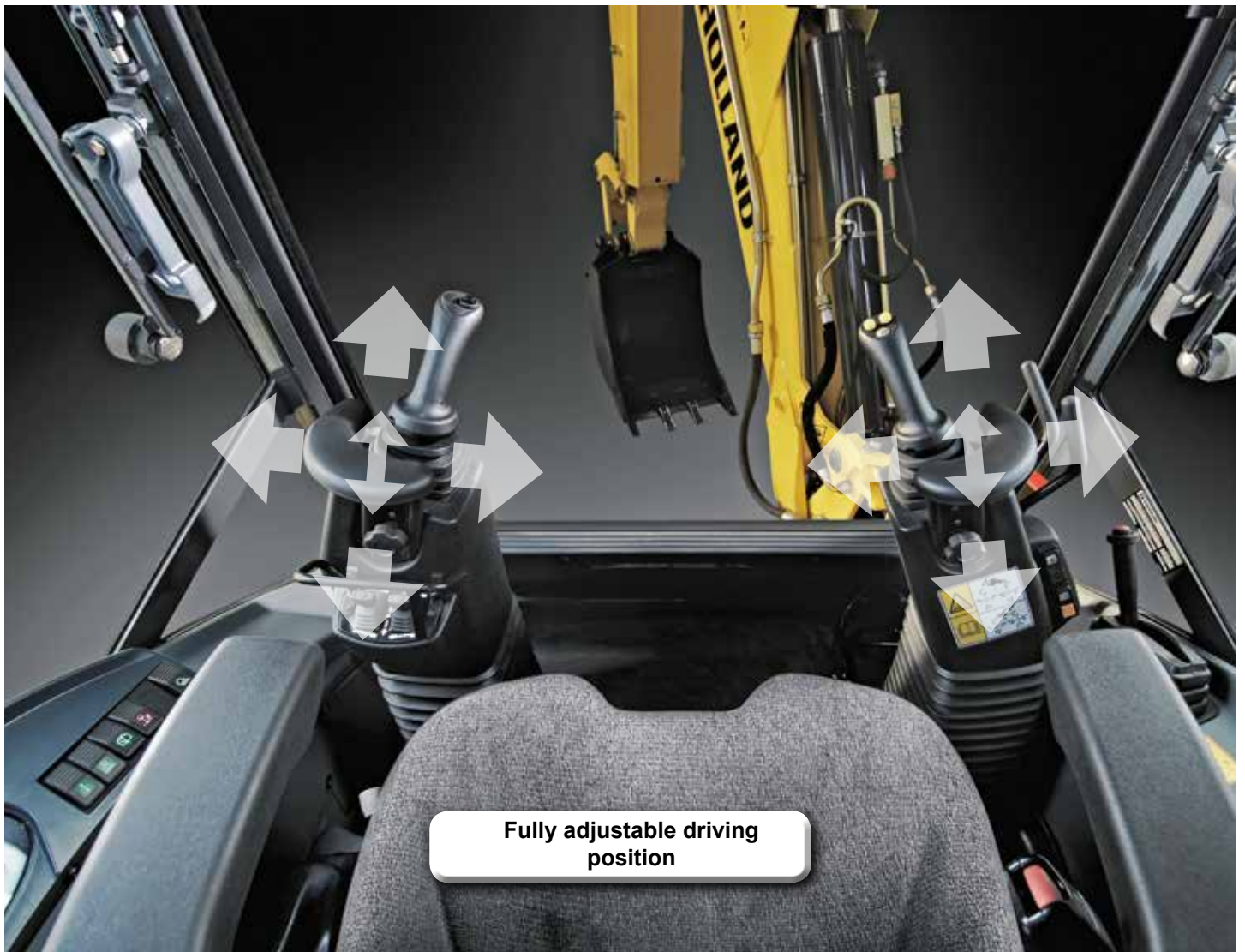
EXCELLENT VENTILATION

- Partial or full opening of both front and rear side windows
- Cab fan (option)
- Standard heater or air conditioning (option)

ALL CONTROLS UNDER YOUR HAND



HANDFULLY ADJUSTABLE WORKING POS



QUIET WORKING ENVIRONMENT:

Cab interior 77 dB / exterior 103 dB

BI15B/BI10B

LOW COST OF OWNERSHIP



10% Fuel saving

A SIGNIFICANT COST SAVING



Vandal proof

PROTECT YOUR INVESTMENT ON SITE

- Secure hydraulic oil cap-breather
- Battery box is locked with a key
- Engine hood is lockable with a key
- An anti-theft device is available as option



Smart design

DRIVING LIGHT PROTECTION²

Rear driving lights have 2 positions:
transport position: on the stabs
working position: on the cab, → (see picture)
so that they are completely protected

WINDOW OPENING

Ventilation is optimized in the cab thanks to the partial or total opening of the side windows and the fully retractable rear screen





Maintenance friendly

BEST IN CLASS ACCESSIBILITY

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

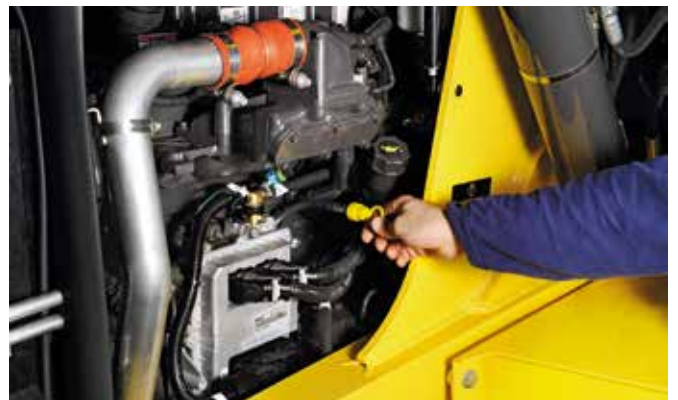


CENTRAL SERVICE POINT LOCATION

Daily check and fill points are accessible from ground level for time saving. On the machine's left side, just above the fuel tank, you can easily reach:

- the hydraulic pressure check points,
- steering circuit,
- pilot control,

All grouped together for time and cost reduction whilst improving efficiency, durability and performance



EASY DIAGNOSIS

Rapid engine diagnosis is possible with the New Holland Electronic Service Tool

NO SEPARATE BRAKE FLUID

- Hydraulic oil is used as the brake fluid, so no need to use separate tank and no risk of using the wrong fluid



PROTECTED BATTERY EASY TO REACH

The Battery is easily reached in the tool box located on the right side, underneath the cab. By removing one panel it is simple to access both the battery and the master switch.



B115B



B115B

MAIN FEATURES

SPECIFICATIONS

HYDRAULICS

Type of pump and flow

Variable Displ. 6 to 165 l/min @ 2200 rpm

Maximum pressure level

205 bar

BATTERY

OPERATING WEIGHT

with standard backhoe and 6-in-1 bucket

8870

with Extendible Backhoe and 6-in-1 bucket

9100

TURNING RADIUS (front tyres 12.5/80-18, wheel not braked, 4WD engaged)

at ext. edge of front tyres

4300 mm

at bucket corner

5600 mm

AXLES, TYRES & BRAKE

Brakes:

Power Brake with 2472 cm² friction area

Tires can be multipurpose, hard soil specific or soft soil specific

24" front with 24" or 28"

Tires

front with 28"

Front axle with +/- 11° oscillation

CAPACITIES

Fuel tank

135 l

Cooling system

24 l

EMISSIONS

CO₂ emissions (g/kWh)

744

NO_x emissions

3,6

HC emissions

0,1

CO emissions

0,9

PM emissions

0,13

NO_x + NMHC emissions

3,7

NOISE

Internal (dB(A))

77

External (dB(A))

103

VIBRATION LEVELS

Upper limbs 2,5 m/s²

2,5

Abdomen 0,5 m/s²

0,5

B110B



B110B

MAIN FEATURES

SPECIFICATIONS

HYDRAULICS

Type of pump and flow

Maximum pressure level

BATTERY

OPERATING WEIGHT

with standard backhoe and 6-in-1 bucket

with Extendible Backhoe and 6-in-1 bucket

TURNING RADIUS (front tyres 12.5/80-18, wheel not braked, 4WD engaged)

at ext. edge of front tyres

at bucket corner

AXLES, TYRES & BRAKE

Brakes:

Tires can be multipurpose, hard soil specific or soft soil specific

Tires

Front axle with +/- 11° oscillation

CAPACITIES

Fuel tank

Cooling system

EMISSIONS

CO₂ emissions (g/kWh)

NO_x emissions

HC emissions

CO emissions

PM emissions

NO_x + NMHC emissions

NOISE

Internal (dB(A))

External (dB(A))

VIBRATION LEVELS

Upper limbs 2,5 m/s²

Abdomen 0,5 m/s²

B110B

20" or 18" tires 2-wheel steer
1.2 m³ bucket
or 1.0 m³ bucket
112 hp Powershift /
Powershuttle Transmission
Pilot /
Mechanical Control
4.5 litre FPT Industrial
engine turbocharged,
common rail
injection 110 hp @ 2200 rpm / 520 Nm @
1400 rpm

Variable Displ. 6 to 165 l/min @ 2200 rpm

205 bar

12V 95Ah, 900 A (SAE) - 120 A

8270

8500

4300 mm

5600 mm

Power Brake with 2472 cm² friction area

18" front with 26" or 28" rear

or 20" front with 30" rear

135 l

24 l

744

3,6

0,1

0,9

0,13

3,7

77

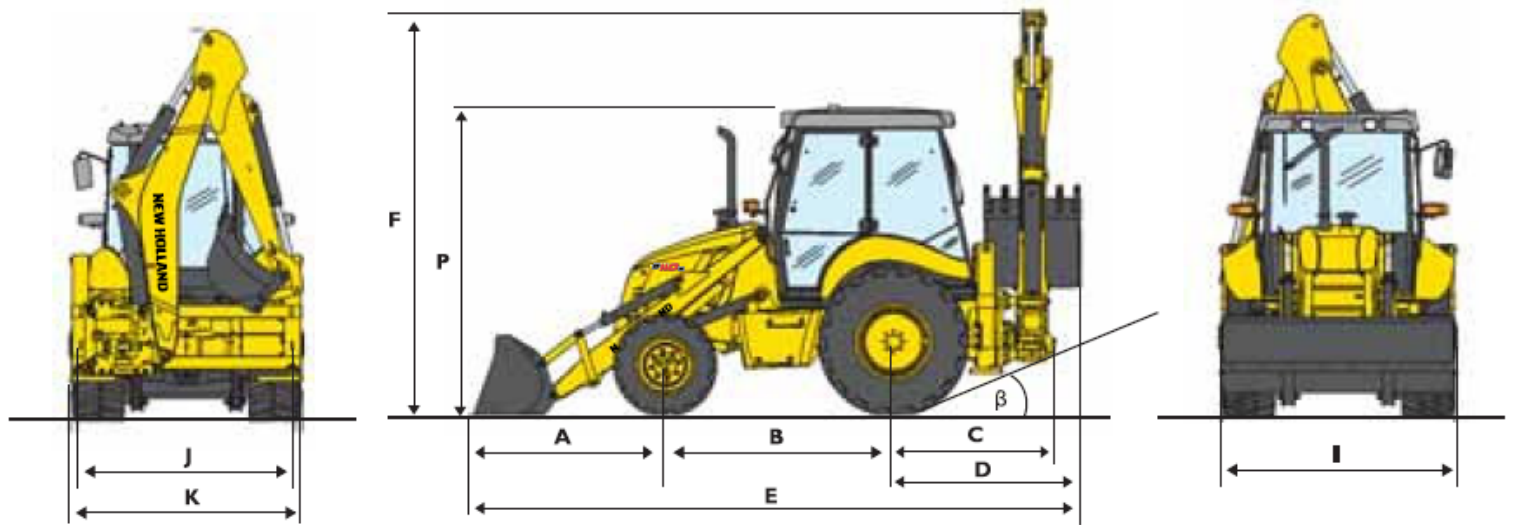
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2,5

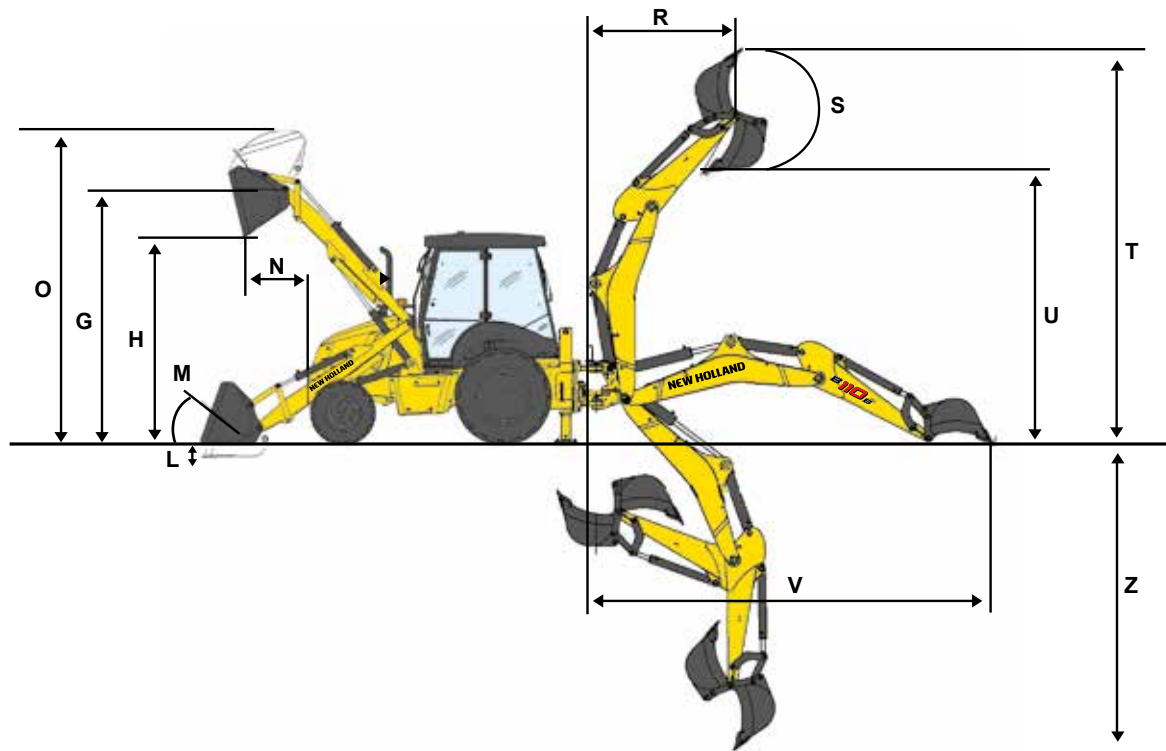
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BI15B/BI10B

SPECIFICATIONS

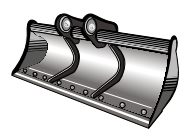




		BI15B	BI10B
OVERALL DIMENSIONS			
A	Ground distance over front axle	mm	1965
B	Wheelbase	mm	2200
C	Pivot distance over rear axle	mm	1325
D	Max distance over rear axle (with 915 mm backhoe bucket)	mm	1780
E	Overall length	mm	5945
F	Height to top of boom	mm	3930
β	Back ramp angle	°	22
P	Cab height	mm	2960
I	Loader bucket width	mm	2250/2400
J	Stabiliser width	mm	2250
K	Overall width	mm	2325



		B115B		B110B	
LOADER SPECIFICATIONS		TC version		TC version	STD version
Maximum loader breakout force	daN	7400		6650	6900
Lifting capacity to maximum height	kg	3550		3195	3550
L Digging depth	mm	115		125	75
M Bucket roll back angle on ground	°	45		46	40
N Reach at full height	mm	825		813	785
O Maximum operating height	mm	4480		4405	4330
G Hinge pin height	mm	3490		3460	3500
H Maximum dump height under bucket at 45°	mm	2650		2693	2780
BACKHOE SPECIFICATIONS		retracted	extended	retracted	extended
Bucket Breakout force	daN	6400		6400	
Dipper breakout force (Std Dipper/HED retracted)	daN	4620		4620	
Dipper breakout force (HED extended)	daN	3200		3200	
R Digging reach at max height	mm	2315	3130	2330	3190
S Bucket rotation	°	204		204	204
T Digging height	mm	5815	6475	5650	6305
U Dumping height	mm	4090	4750	3930	4585
V Digging reach at ground level	mm	5850	6810	5860	6815
Z Digging depth	mm	4565	5600	4710	5750

ATTACHMENTS OFFERING

	Width	Capacity	Weight	Hydraulics	
BUCKETS LOADER					
 <p>6'sı arada</p> <p>4'ü bir arada</p>	2250 mm	1000 l	300 Kg	Hydraulic line, double acting	B110B - B115B
	2400 mm	1200 l	380 Kg		
BUCKETS BACKHOE					
	300 mm	96 l	130 Kg		
	400 mm	100 l	140 Kg		
	450 mm	150 l	158 Kg		
	600 mm	220 l	187 Kg		
	760 mm	290 l	214 Kg		
	915 mm	360 l	240 Kg		
DITCH CLEANING BUCKET					
	1200 mm				
	1300 mm				
	1400 mm				
	1500 mm				
HAMMER					
	Model	Tool dia.	Weight		
	CB65B	63 mm	310 Kg		
	CB90S	80 mm	360 Kg		
	hydraulic circuit, simple or double acting				
SNOW BLADE					
 <p>2640 mm</p>	Specially designed for snow removal in tough conditions. Hydraulically powered with 30° angle to the right or left. Double acting hydraulic circuit is necessary.				
AUGERS					
	A complete range of augers from 150 to 1,050 mm diameter is available for each application: installation of telegraph poles, electricity pylons, signposts, pillars, tree and shrub planting. For more details consult your dealer.				

The information contained in this brochure is intended to be of general nature. The NEW HOLLAND CONSTRUCTION MACHINERY S.p.A. company may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this brochure. Illustrations do not necessarily show products in standard conditions. The dimensions, weights and capacities shown herein, as well as any conversion data used, are approximate only and are subject to variations within normal manufacturing techniques.

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