B115B B110B B110BTC B100B B100BTC B90B

	B115B - B110B/BTC	B90B - B100B/BTC
BUCKET CAPACITY	UP TO 1,2 M^3 BUCKET	1,0 M^3 BUCKET
ENGINE POWER	110 HP	100 HP

NEW HOLLAND CONSTRUCTION

BUILT AROUND YOU

B115B/B110B/B100B/B90B

ENVIRONMENTAL EFFICIENCY

10% reduction in fuel consumption and emissions

BEST IN CLASS PRODUCTIVITY

10% more power than competitive machines

HIGH OPERATING COMFORT

Class-leading operator environment

LOW COST OF OWNERSHIP

Fuel efficient
Easy to maintain

B115B/B110B/B100B/B90B

ENVIRONMENTAL CONCERN

LESS FUEL CONSUMPTION RESULTS IN LOWER ENGINE EMISSIONS

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
- New Holland CB90S is a silenced hydraulic breaker especially designed for TLB use
- Rubber pads under the stabilizers reduce ground damage in sensitive operating conditions

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/B100B/B90B

BEST IN CLASS PRODUCTIVITY

THE ABILITY TO DIG AND LOAD LIKE A POWERFUL WHEEL LOADER

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

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)

B115B/B110B/B100B/B90B

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)

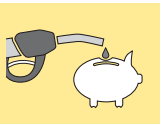
ALL CONTROLS UNDER YOUR HAND

FULLY ADJUSTABLE WORKING POSITION

QUIET WORKING ENVIRONMENT:

Cab interior 77 dB / exterior 103 dB

LOW COST OF OWNERSHIP



10% Fuel saving

A SIGNIFICANT COST SAVING

If your New Holland machine is used for 800h/year, we estimate that our new hydraulic system, including the Variable Displacement Pump, will result in average savings of up to 1000 €/year

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 PROTECTION

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/B110B/B100B/B90B

B115B

B110B/B110BTC

MAIN FEATURES

	B115B
	4 equal-sized wheel steer
	1.2 m³ bucket
	112 hp
	Powershift Transmission (standard)
	Pilot / Mechanical Control
	4.5 litre FPT Industrial engine turbocharged, common rail injection
	110 hp @ 2200 rpm / 520 Nm @ 1400 rpm

SPECIFICATIONS

HYDRAULICS	
Type of pump and flow	Variable Displ. 6 to 165 l/min @ 2200 rpm
	Twin Gear Pump 15l/min @ 2200 rpm
Maximum pressure level	205 bars
BATTERY	12V 95Ah, 900 A (SAE) - 120 A
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 tires	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	
Tires	24" front with 24" or 28" front with 28"
Front axle with +/- 11° oscillation	Limited Slip Differential
CAPACITIES	
Fuel tank	135 l
Cooling system	24 l
EMISSIONS	
CO2 emissions (g/kWh)	744
NOx emissions	3,6
HC emissions	0,1
CO emissions	0,9
PM emissions	0,13
NOx + 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

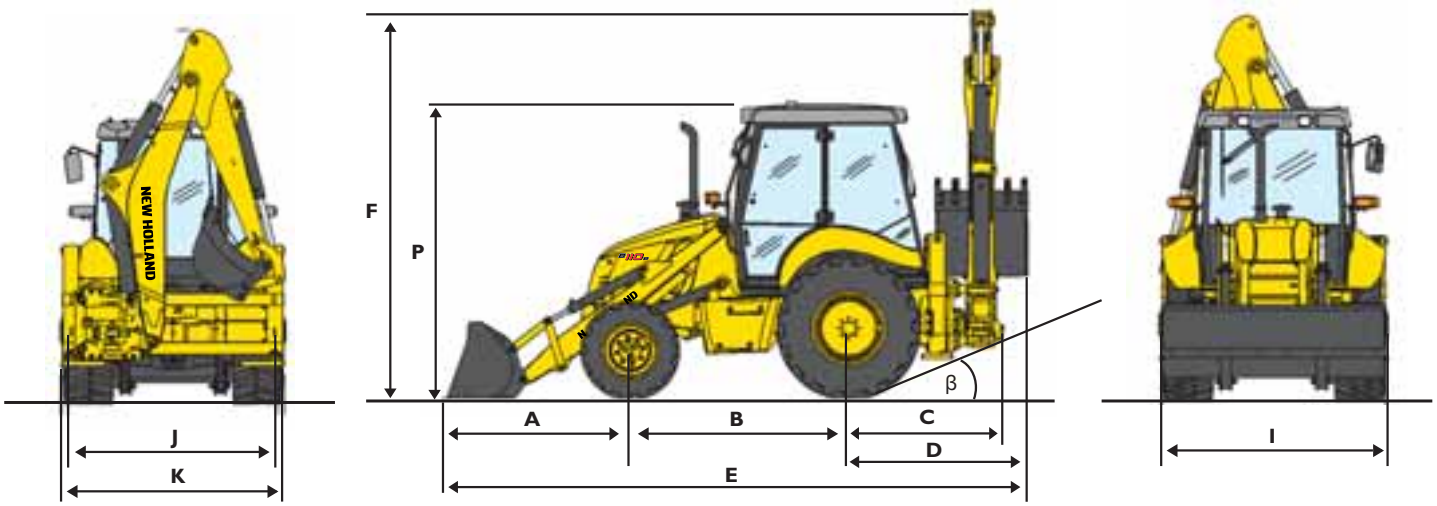
B100B/B100BTC

B90B

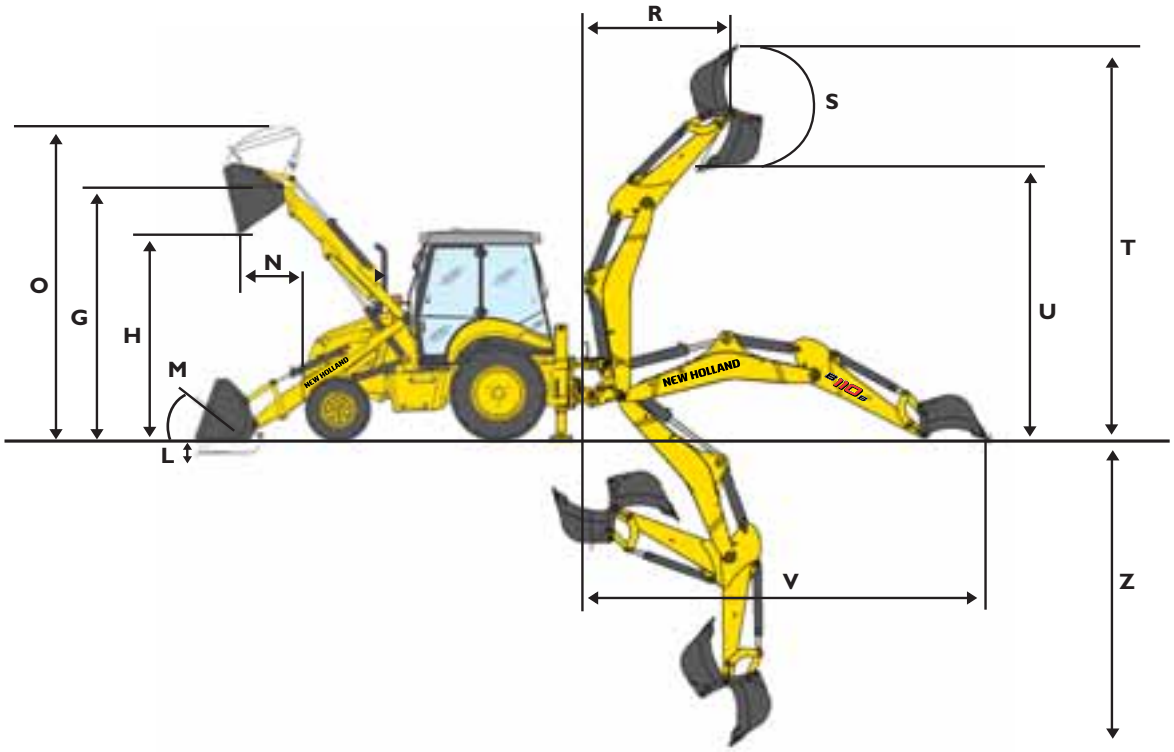
B110B	B100BTC	B90B
20" or 18" tires 2-wheel steer 1.2 m³ bucket or 1.0 m³ bucket 112 hp Powershift /Powershuttle Transmission Pilot / Mechanical Control 4.5 litre FPT Industrial engine turbocharged, common rail injection 110 hp @ 2200 rpm / 520 Nm @ 1400 rpm	18" tires 2-wheel steer 1.0 m³ bucket 100 hp Powershuttle Transmission (standard) Pilot / Mechanical Control 4.5 litre FPT Industrial engine turbocharged, common rail injection 97 hp @ 2200 rpm / 450 Nm @ 1400 rpm	18" tires 2-wheel steer 1.0 m³ bucket 100 hp Powershuttle Transmission (standard) Mechanical Control (standard) 4.5 litre FPT Industrial engine turbocharged and aftercooled, direct mechanical injection 97 hp @ 2200 rpm / 400 Nm @ 1250 rpm
Variable Displ. 6 to 165 l/min @ 2200 rpm Twin Gear Pump 151/min @ 2200 rpm	Variable Displacement 6 to 156 l/min @ 2200 rpm	Twin Gear Pump 151 l/min @ 2200 rpm
205 bars	205 bars	205 bars
12V 95Ah, 900 A (SAE) - 120 A	12V 95Ah, 900 A (SAE) - 120 A	12V 95Ah, 900 A (SAE) - 120 A
8270 8500	8120 8350	7970 8200
4300 mm 5600 mm	4300 mm 5600 mm	4300 mm 5600 mm
Power Brake with 2472 cm² friction area	Power Brake with 2472 cm² friction area	Power Brake with 2472 cm² friction area
18" front with 26" or 28" rear or 20" front with 30" rear 100% lockable	18" front with 26" or 28" rear 100% lockable	18" front with 26" or 28" rear - 100% lockable
135 l 24 l	135 l 24 l	135 l 24 l
744 3,64,4 0,10,1 0,91,8 0,13 3,7	790 4,1 0,1 1,8 0,25 4,5	773 0,26 4,2
7777 103	77 103	 102
2,5 0,5	2,5 0,5	2,5 0,5

B115B/B110B/B100B/B90B

SPECIFICATIONS

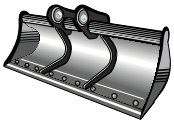
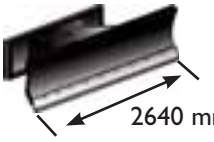


			B115B		B110B/B110BTC	
	OVERALL DIMENSIONS					
A	Ground distance over front axle	**mm**	1965		1870	
B	Wheelbase	**mm**	2200		2175	
C	Pivot distance over rear axle	**mm**	1325		1320	
D	Max distance over rear axle (with 915 mm backhoe bucket)	**mm**	1780		1780	
E	Overall lenght	**mm**	5945		5825	
F	Height to top of boom	**mm**	3930		3825	
β	Back ramp angle	**°**	22		23	
P	Cab height	**mm**	2960		2940	
I	Loader bucket width	**mm**	2400		2250/2400	
J	Stabiliser width	**mm**	2250		2250	
K	Overall width	**mm**	2325		2325	
	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	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



			B100B/B100BTC		B90B	
	OVERALL DIMENSIONS					
A	Ground distance over front axle	**mm**	1870		1870	
B	Wheelbase	**mm**	2175		2175	
C	Pivot distance over rear axle	**mm**	1320		1320	
D	Max distance over rear axle (with 915 mm backhoe bucket)	**mm**	1780		1780	
E	Overall lenght	**mm**	5825		5825	
F	Height to top of boom	**mm**	3875		3875	
β	Back ramp angle	**°**	23		23°	
P	Cab height	**mm**	2940		2940	
I	Loader bucket width	**mm**	2250		2250	
J	Stabiliser width	**mm**	2250		2250	
K	Overall width	**mm**	2325		2325	
	LOADER SPECIFICATIONS		**TC version**	**STD version**	**STD version**	
	Maximum loader breakout force	**daN**	6650	6900	6900	
	Lifting capacity to maximum height	**kg**	3195	3550	3550	
L	Digging depth	**mm**	125	75	75	
M	Bucket roll back angle on ground	**°**	46	40	40	
N	Reach at full height	**mm**	813	785	785	
O	Maximum operating height	**mm**	4405	4330	4330	
G	Hinge pin height	**mm**	3460	3500	3500	
H	Maximum dump height under bucket at 45 °	**mm**	2693	2780	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**	2330	3190	2330	3190
S	Bucket rotation	**°**	204	204	204	204
T	Digging height	**mm**	5650	6305	5650	6305
U	Dumping height	**mm**	3930	4585	3930	4585
V	Digging reach at ground level	**mm**	5870	6815	5870	6815
Z	Digging depth	**mm**	4710	5750	4710	5750

ATTACHMENTS OFFERING

	Width	Capacity	Weight	Hydraulics	
BUCKETS LOADER					
6 in 1 4 in 1	2250 mm 2400 mm	1000 l 1200 l	300 Kg 380 Kg	Hydraulic line, double acting	B90B - B100B B100B B110B - B115B
BUCKETS BACKHOE					
	300 mm 400 mm 450 mm 600 mm 760 mm 915 mm	96 l 100 l 150 l 220 l 290 l 360 l	130 Kg 140 Kg 158 Kg 187 Kg 214 Kg 240 Kg		
DITCH CLEANING BUCKET					
	1200 mm 1300 mm 1400 mm 1500 mm				
HAMMER					
	Model	**Tool dia.**	**Weight**		
	CB65B CB90S	63 mm 80 mm	310 Kg 360 Kg		
	hydraulic circuit, simple or double acting				
SNOW BLADE					
	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.				

AT YOUR OWN DEALERSHIP

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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