



# COMPACT WHEEL LOADERS

W50C | W60C | W70C | W80C



## HIGH PRODUCTIVITY BUILT ON EXPERIENCE

Versatile and compact, New Holland's C Series range of compact wheeled loaders are totally new in design, and offer a fresh alternative to the traditional farm materials handling solutions. The four model, four wheel drive, articulated steer range, with power outputs of 58hp – 75hp, and operating capacities of 1.9t – 2.5t to a height of 3.1m – 3.4m respectively, offer high performance in a very agile package. The impressive performance figures are backed up by useful design features such as the low cab height of just 2.46m and max width of 1.74m on the smallest W50C model, which make it ideal for access to low farm buildings and narrow feed passageways. Added to these compact dimensions is the tight turn angle made by the articulated steering system, which makes it more manoeuvrable and user friendly than its all-wheel-steer competitors. The new cab design affords the operator a spacious working environment, the four pillar cab frame providing almost 360 degree visibility with minimal blind spots, is wide, bright and airy. The electro hydraulic joystick is truly multi-functional, making daily feeding or loading routines a swift and efficient affair.



## **LOW TOTAL COST OF OWNERSHIP**

C Series models feature an advanced 3.4 liter, 4-cylinder, Tier 4B compliant turbocharged multiple injection high pressure common rail engine, with waste gate for optimum turbo pressure stability. Developed in house by sister company FPT Industrial, who pioneered low emission, high efficiency solutions for on- and off-road applications, this engine delivers high power, low fuel consumption with very low maintenance requirements. In addition, thanks to the maintenance-free Diesel Oxidation Catalyst (DOC), the end result is high performance and reduced total cost of ownership.

## **HIGH VERSATILITY**

The choice of one or two auxiliary hydraulic circuits and the availability of high flow in combination with creep speed allows work to be done at max flow at a constantly low forward pace. This capability is useful in a number of specialist applications such as snow blowing and yard sweeping.

## **SUPERIOR PERFORMANCE**

The weight distribution enables the new compact wheel loader to fully benefit from its impressive improved lifting capacity. The superior hinge pin height and the contoured arms on Z-bar models, make it easy to load at the center of the trailer or feed wagon, without touching the edge. The automatic Glide-Ride system engages at speeds over 5.5km/h to prevent arm bouncing and to allow smooth travel at maximum road speed. Everything contributing to great productivity.

## **HIGH PRECISION**

The new Inch & Brake pedal progressively disengages the transmission in the decelerating phase while progressively engaging the brakes, giving the operator millimetric control of the machine at low speeds. The all-in-one joystick with proportional auxiliary control, flow memory button, float function and F-N-R switch puts all the machine's controls in the operator's hand.



## CLEAN, POWERFUL ENGINES

The entire range boasts 3.4 litre Common Rail F5H engines developed by FPT Industrial that comply with the stringent Tier 4B emissions regulations. Advanced Common Rail technology delivers precise fuelling for optimal response and has also reduced fuel consumption significantly compared to previous models. This super-quiet engine develops up to 75hp and up to 316Nm of torque for guaranteed productivity and operator comfort. The entire range uses a particulate matter catalyst (PM Cat) for Tier 4B compliance, which requires minimal maintenance and zero regeneration. This further enhances efficiency.



### PM CAT: EFFICIENT EMISSIONS TECHNOLOGY

In order to meet the even more stringent Tier 4B emissions regulations, advanced PM Cat technology has been used. Put simply, the PM Cat is a particle separator which is located in the exhaust system downstream from a diesel oxidation catalyst. Particulate matter, or soot, contained in the exhaust gas, passes through the PM Cat, and when it touches the walls it is burned off. This filter never blocks due to the high flow of exhaust gasses. The simplest system around, it requires no operator intervention and never requires fuel sapping regeneration. Trust New Holland for simple solutions which help you and the environment.



### COMMON RAIL. COMMON SENSE.

More responsive engines. Lower fuel bills. This is the result of Common Rail technology. As your compact wheel loader receives precisely the amount of fuel it requires, maximum power is produced at 2500rpm. The optimised combustion process also results in more efficient engines which are better able to respond to your demands. Common Rail. It's common sense.



*Sustainable Efficient Technology*



## POWERED BY FPT INDUSTRIAL

New Holland are not going it alone when it comes to Tier 4 technology, they can draw on the experience of their sister company: FPT Industrial.

**Pioneers:** Fiat invented Common Rail technology in the 1980s and brought it to the masses in 1997 on the Alfa Romeo 156. They were the very first to introduce it on agricultural machines on the TS-A tractor. Pioneering. Always.

**Cleaner:** Fiat SpA for the last five consecutive years has the lowest average CO<sub>2</sub> emissions of any automotive manufacturer in Europe. Cleaner. Everywhere.

**Proven:** FPT Industrial have already produced over 270,000 F5C engines during the last five years. Reliability. Confirmed.



## LONG SERVICE INTERVALS

Advanced engineering design means lower maintenance demands. The New Holland compact wheel loaders' industry-leading service intervals have been further extended to 500 hours. Choose New Holland to save money, downtime and to protect the environment.

## REDUCING FUEL CONSUMPTION

The introduction of Common Rail and PM Cat technology has reduced the W50C, W60C, W70C and W80C's fuel consumption significantly. Quite simply, thanks to precision fuelling, fuel use has been optimised when compared to existing New Holland compact wheel loader models.



## ENGINEERED FOR MAXIMUM PRECISION

### PRESS & GO HYDROSTATIC TRANSMISSION

All models in the range are equipped with hydrostatic transmissions, you just press the accelerator and go, smoothly and without fuss. Maximum road speed is 33km/h when the optional High Travel Speed is specified, more than fast enough to get from A to B around the farm. With the inching & brake pedal, more power can be diverted to the loaders hydraulics without disconnecting the drive, while maintaining a constant engine rpm, useful in manure handling for example. A creep speed option is also available on all models except the W50C, whereby the travel speed can be set and adjusted in the 1-5km/h range, useful for snow blowing and yard sweeping applications.





### MILLIMETRIC PRECISION

The new Inch & Brake pedal progressively disengages the transmission in the decelerating phase while progressively engaging the brakes, giving the operator millimetric control of the machine at low speeds. With the same precision you can accomplish every task with the all-in-one Joystick with flow memory button. The 3<sup>rd</sup> or 4<sup>th</sup> functions are proportionally controlled.



### POWERFUL HYDRAULICS

Powering the business end of the compact loader range is a gear pump with a choice of flow outputs. On the two smallest models there is a 67l/min pump running at 2500rpm. On the larger two models there is a choice of the standard 85l/min pump or the High Flow pump producing 130l/min. The high flow pump and creep speed transmission are perfectly matched for demanding applications like snow-blowing. On all models the pump powers both the hydraulics and the steering, and for safety, there is a priority valve to favor the steering demand.



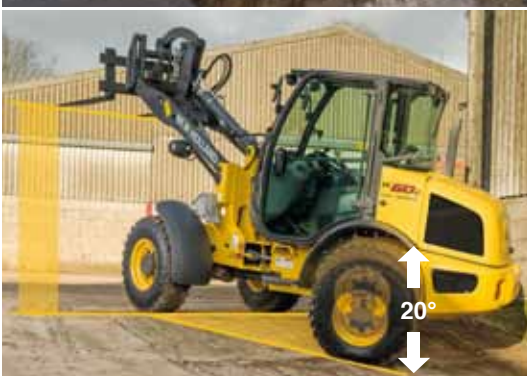
### MINIMUM SPEED, MAXIMUM FLOW

The High Flow option comes with the new Creep Speed, which provides maximum hydraulic flow at constant speed in the 0 to 5.5km/h range, ideal for tasks such as snow blowing, and yard sweeping. Front electrical socket and Return Depressurized Drain complete the package.



### SHORT TURNING RADIUS

Makes your day-to-day job easier when working in tight spaces. The new compact wheel loader range features a steering angle of 40° to each side, fully hydraulic center pivot steering, emergency steering function and the front and rear wheels follow the same track.



### EXCELLENT STABILITY

The rear axle on the C series oscillates to a maximum angle of 20 degrees, allowing the rear wheels to maintain contact with the ground in undulating terrain. This system gives the operator a better perception of the machines stability compared to having an oscillating center pivot, thereby enhancing overall safety, in addition to improving load retention. Furthermore, the Glide-Ride system, self activated only when needed, over 5.5km/h prevents arm bouncing.



### DIFFERENTIAL CHOICE

High performance in any kind of terrain and in any operating condition is guaranteed by the wide choice of differential configurations: limited slip front & rear (all models) or front & rear open diff (W50C) or open with 100% lock on front and rear differentials (W70C – W80C).

## SUPERIOR COMFORT AND SAFETY

Almost unobstructed 360 degree vision is offered by the newly designed cab. The elevated driving position and an abundance of curved glass within four narrow pillars ensure the best view of any materials handler on the market. Access via the wide opening glass door is easy and straight forward, operators will appreciate the bright airy space and fully opening side window and low noise levels of 71dbA. Further comforts include 10 air vents, air conditioning, air suspended seat, tilting and telescopic steering column and the many useful storage compartments. All instruments and controls are positioned on the operators right side and include an electro hydraulic multi-function joystick, with forward and reverse controls.



### DESIGNED TO SAVE TIME

The cab has been lowered so that the compact wheel loader can move easily around the farm and enter low buildings. Useful features such as the fully opening door and side window, which can be locked open, serve to ease the operators convenience.

### DELUXE CAB FOR DEMANDING OPERATORS

Easy entry is always guaranteed courtesy of the low cab floor and wide steps. The Deluxe Option includes an additional storage compartment under your left hand, storage spaces around the seat and height adjustment of the steering wheel.

### SUPERIOR CAB SAFETY

Keeps you protected in every situation. The cab comes standard with ROPS and FOPS Level 2 protection as standard, so that the operator can work safely with confidence .

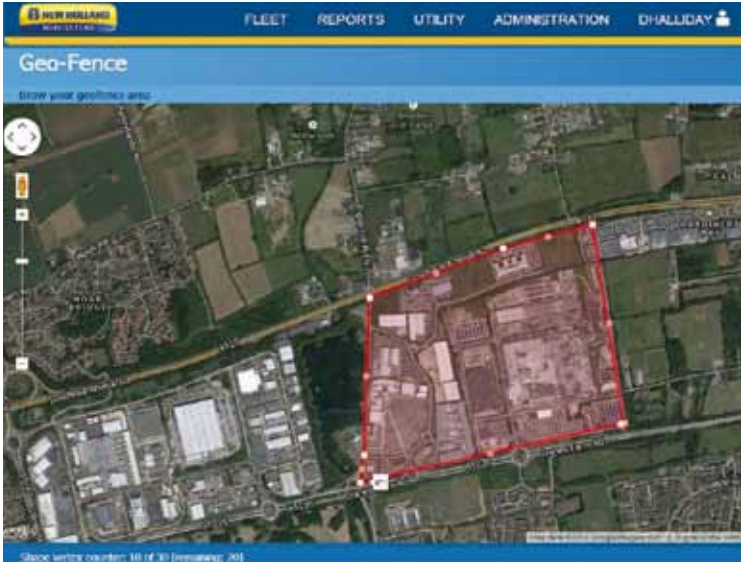


# SETTING NEW STANDARDS OF PERFORMANCE AND PRODUCTIVITY

The new New Holland compact wheel loader series is designed to maximize productivity and minimize the time needed for servicing and attachment changeover. The four model line-up, ranging from the 4.9 ton W50C to the 5.9 ton W80C, delivers consistently high levels of performance in every task. Operators enjoy the superior comfort of the cab, maximizing their productivity with minimum fatigue, and waste no time in daily maintenance tasks as all service points are easily accessible from the ground.

## SUPERIOR DUMP HEIGHT AND RIDE

The superior hinge pin height and the contoured arms on Z-bar models make it easy to load at the center of the trailer or feed wagon, without touching the edge with the arms. The automatic Glide-Ride system engages at speeds over 5.5km/h to prevent arm bouncing and smooth travel at maximum road speed.



## OPTIMAL WEIGHT DISTRIBUTION

The optimal weight distribution enables the new compact wheel loader to lift a much bigger pallet load than its predecessor. For example, at the low end of the range, the W50C is designed to lift up to 2100kg: 400kg more than the model it replaces.

## MANAGE YOUR MACHINE FROM THE COMFORT OF YOUR OFFICE

PLM® Connect enables you to connect to your machines from the comfort of your office through the utilization of the mobile network. You can stay in touch with your machines at all times, and even send and receive real-time information that saves time and enhances productivity. PLM connect is available for the New Holland Construction range of Backhoe Loaders, Compact Wheel Loaders, Wheel Loaders and Skid Steer Loaders.



## BUILT IN VERSATILITY

Two choices of linkage are available, depending on the end users preference, either the Z-bar linkage or the TC linkage can be specified. Z-bar is the most versatile linkage type. It offers more breakout force thanks to the two lifting cylinders and a higher dump height, ideally suited for most agricultural applications such as winter feeding, grain handling and manure handling. TC (Tool Carrier) is the best linkage choice for regular pallet or box handling. Visibility on the pallet forks is superior owing to the single, centrally positioned lift ram, and the payload is marginally higher. The quick hitch option in addition to the auxiliary quick release couplers and electrical socket make changing multiple attachments a stress free task.



### FAST ATTACHMENT CHANGE OVER

With the depressurized push-pull connectors you will never need hand tools to swap your attachments. Attaching implements can be done from the comfort of the cab thanks to the convenient hydraulically locking quick attach headstock. A choice of headstock designs are also available depending on preference. The front electrical socket allows for multi-functioning or special attachments.

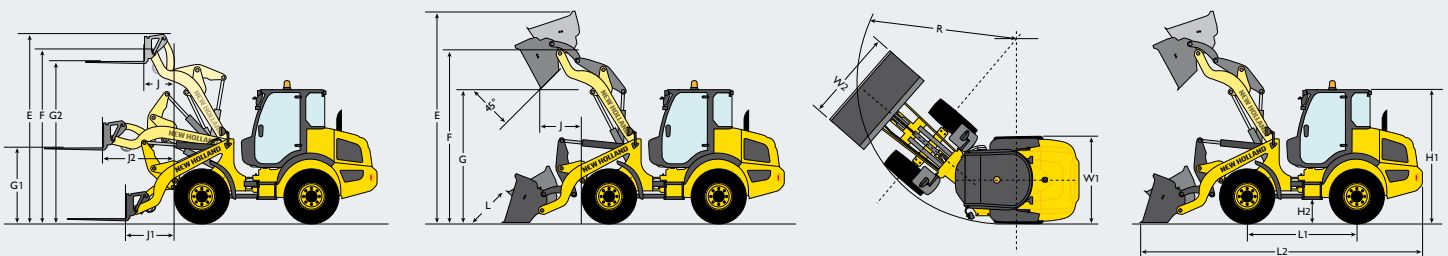


### HIGH PERFORMANCE ATTACHMENTS

A wide variety of high performance attachments are available to help you get the most out of your investment. Please contact your local dealer for further information.

MODELS	W50C		W60C		W70C		W80C	
<b>Engine*</b>	F5H		F5H		F5H		F5H	
No. of cyl. / Aspiration / Valves / Emission level Tier-Stage	4 / T / 2 / 4B-4		4 / T / 2 / 4B-4		4 / T / 2 / 4B-4		4 / T / 2 / 4B-4	
Capacity (cm <sup>3</sup> )	3400		3400		3400		3400	
Max. engine power - ISO14396 [kW/hp(CV)]	43/58		48/64		55/75		55/75	
Torque (Nm)	245		261		316		316	
Rated engine speed (rpm)	2500		2500		2500		2500	
Bore and stroke (mm)	99x110		99x110		99x110		99x110	
Service interval (Hrs)	500		500		500		500	
Diesel tank capacity (l)					87			
<b>Electrical system</b>								
Voltage (V)					12			
Battery (Ah)					95			
Alternator (Ah)					120			
<b>Cab</b>								
Max. noise level [dB(A)]	71		71		72		72	
Vision (degrees)	360		360		360		360	
Tilting & telescopic steering wheel	○		○		○		○	
F-N-R integrated on joystick	●		●		●		●	
<b>Hydraulics system</b>								
Type of pump	Gear pump for loading and steering hydraulics							
Standard / High flow (lpm@rpm)	67@2500 / -				85@2500 / 130@2500			
<b>Transmission</b>								
Type	Hydrostatic 4-wheel drive							
Operating speed range (km/h)	0-5							
Travel speed range (km/h)	0-20							
Optional high travel speed (km/h)	-		-		33		33	
"Inch & Brake" Pedal	●		●		●		●	
Creep	-		○		○		○	
<b>Differential lock</b>								
Limited slip diff front & rear	○		○		○		○	
Open diff front & rear	○		-		-		-	
Open diff with 100% lock on front & rear	-		-		○		○	
<b>Specifications with forks</b>								
	<b>Z-BAR</b>		<b>TC</b>		<b>Z-BAR</b>		<b>Z-BAR</b>	
Tipping load straight (tonnes)	2.8		3.0		3.0		3.2	
Tipping load at full turn @40° (tonnes)	2.4		2.6		2.6		2.8	
Payload @80% (tonnes)	1.9		2.1		2.1		2.2	
Operating weight (kg)	5020		4910		5160		4940	
E - Max. overall height (m)	3.48		3.63		3.53		3.65	
F - Hinge pin height (m)	3.14		3.11		3.18		3.13	
G2 - Max. fork height (m)	2.90		2.96		2.95		2.97	
G1 - Forks height @ max. reach (m)	1.27		1.34		1.27		1.34	
J1 - Reach @ ground level (m)	0.94		0.77		1.01		0.80	
J2 - Max. reach (m)	1.35		1.26		1.41		1.27	
J - Reach @ max. height (m)	0.59		0.46		0.63		0.47	
<b>Specifications with bucket</b>								
	<b>Z-BAR</b>		<b>TC</b>		<b>Z-BAR</b>		<b>Z-BAR</b>	
Bucket volume (SAE) (m <sup>3</sup> )	0.7-1.0		0.7-1.0		0.8-1.1		0.8-1.1	
Breakout force (kgF)	6042		4104		5481		3925	
L2 - Length with bucket (m)	5.28		5.23		5.39		5.33	
E - Max. bucket height (m)	3.14		3.94		3.18		4.09	
F - Hinge pin height (m)	3.14		3.11		3.18		3.13	
G - Dump height @45° (m)	2.49		2.34		2.52		2.35	
L - Dig depth (mm)	730		130		120		140	
J - Reach at full height (mm)	770		710		830		740	

● Standard ○ Optional - Not Available \*Developed by FPT Industrial



MODELS	W50C		W60C		W70C		W80C	
<b>Dimensions</b>								
H1 - Height (mm)	2460		2460		2600		2680	
H2 - Ground clearance (mm)	450		450		440		490	
W1 - Rear axle width (m)	1.74		1.74		1.80		1.86	
W2 - Implement width (m)	1.90		2.05		2.05		2.10	
L1 - Wheelbase (m)	2.08		2.08		2.22		2.23	
R - Turning radius (m)	3.72		3.72		3.99		3.99	

# NEW HOLLAND TOP SERVICE: CUSTOMER SUPPORT AND CUSTOMER INFORMATION



### TOP AVAILABILITY

If you need information, or have an out of hours question, ring our toll-free number\*. All day, every day, we are just a call away.



### TOP SPEED

Express parts delivery: when you need it, where you need it!



### TOP PRIORITY

Fast-track solution during the season: because your harvest can't wait!



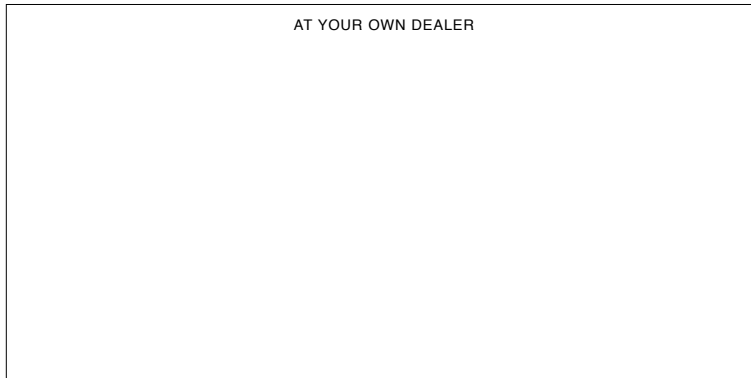
### TOP SATISFACTION

We drive and track the solution you need, keeping you informed: until you are 100% satisfied!



For more details, ask your New Holland dealer!

\* Calls to the Top Service team are free from landlines in the United Kingdom and Republic of Ireland. UK-based mobile calls are also free, but Republic of Ireland mobile users should call **01 2421881** and this will be charged at your standard network rate.



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New Holland with

