

# 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 offer a fresh alternative to the traditional farm material handling solutions. The revised product offering now includes a new Long Reach boom option on W80C models to aid loading diet feeders and high sided trailers, in addition to the new euro coupler option to simplify attachment compatibility around the farm. Changes to the cooling package mean cool air is more accessible to the radiator and heat can escape through new vents in the hood.

## Low total cost of ownership

C Series models feature an advanced 3.4 liter, 4-cylinder, Stage V F5H engine 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 and low fuel consumption with very low maintenance requirements. In addition, thanks to the maintenance-free Diesel Oxidation Catalyst (DOC) and DPF (Diesel Particulate Filter), 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. Optimised weight distribution has resulted in an almost 500kg weight saving on the W50C model to better exploit the engine horse power. The superior hinge pin height and the contoured arms on Long Reach W80C Z-bar models, make it easy to load at the centre 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 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.

## Make your choice

The four model, four wheel drive, articulated steer range, with power outputs of 58hp – 75hp, and operating capacities of 1.65t – 2.45t to a height of 3.1m – 3.4m respectively (3.7m on W80C LR), 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 2.45m 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.

| Models | Engine Power (hp) | Tipping Load at Full Turn* (kg) | Standard / High Hydraulic flow (lpm) |
|--------|-------------------|---------------------------------|--------------------------------------|
| W50C   | 58                | 2903                            | 67 / –                               |
| W60C   | 64                | 3711                            | 67 / –                               |
| W70C   | 75                | 3814                            | 85 / 130                             |
| W80C   | 75                | 4019                            | 85 / 130                             |

– Not available \* With Z-bar loader arm and extra 150kg counterweight on W60C & W80C



## Clean, powerful engines.

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The entire range boasts 3.4 litre Common Rail F5H engines developed by FPT Industrial that comply with the stringent Stage V 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 314Nm of torque for guaranteed productivity and operator comfort. The entire range uses Diesel Oxidation Catalyst (DOC) Diesel Particulate Filter (DPF) technology for Stage V compliance, which is maintenance-free and further enhances efficiency to reduce total cost of ownership.



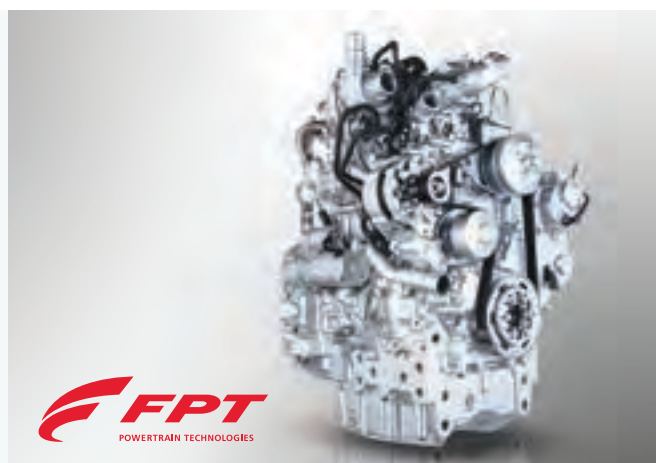
## Powered by FPT Industrial

New Holland are not going it alone when it comes to Stage V technology, they can draw on the experience of their in-house engine development specialist: FPT Industrial.

**Pioneers:** Common Rail technology developed by FPT Industrial at their R&D excellence center in Arbon, Switzerland 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:** For the ninth consecutive year, CNH Industrial has topped the Dow Jones Sustainability World and Europe Indexes for the Industrial Engineering sector. Cleaner. Everywhere.

**Proven:** FPT Industrial have already produced over 345,000 F5C engines since the launch in 2007. Reliability. Confirmed.



## DOC & DPF : integrated emission technology

- DOC & DPF technology is used to meet Stage V emissions regulations
- Diesel Oxidation Catalyst converts pollutants present in the exhaust stream to harmless substances such as carbon dioxide and water
- DPF: Diesel particulate filter removes particulate matter from the exhaust gases
- Maintenance free after treatment system
- No need for AdBlue



## Common Rail. Common sense.

- Your compact wheel loader receives precisely the amount of fuel it requires, maximum power is produced at 2500rpm
- The optimised combustion process results in more efficient engines which are better able to respond to your demands



## Long service intervals

- Service intervals have been further extended to an industry leading 500 hours
- Saving both time and money!

## Reducing fuel consumption

- With the use of Common Rail, DOC and DPF technology across the range, fuel consumption has been reduced significantly
- Precision fueling is key to fuel efficiency





# Engineered for maximum precision.

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## 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 35km/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 Inch & Brake pedal progressively disengages the transmission in the decelerating phase while progressively engaging the brakes
- Millimetric control of the machine is achieved at low speeds
- With the same precision you can accomplish every task with the all-in-one joystick with flow memory button
- The 3rd or 4th functions are proportionally controlled



### Powerful hydraulics

- 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
- 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
- Front electrical socket and Return De-pressurized drain complete the package



### Short Turning Radius

- 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 total angle of 20 degrees, improving both safety and stability
- Compared to a machine with an oscillating center pivot, rear axle oscillation gives operators better perception of the machines stability
- The Glide-Ride system, self activated only when needed over 5.5km/h, prevents arm bouncing



### Differential choice

There are 2 differential configurations:

- Limited slip front and rear (all models)
- 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 71dB(A). 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 to increase accessibility to low buildings
- Useful features include the fully opening door and side window, which can be locked open



## Deluxe cab for demanding operators

- Easy entry is guaranteed courtesy of the low cab floor and wide steps
- The Deluxe option includes additional storage compartments and steering wheel height adjustment



## Superior cab safety

- The cab comes standard with ROPS and FOPS Level 2 protection guaranteeing your safety at work



# 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 4.5 ton W50C to the 6.2 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.



## 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
- 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

- Optimal weight distribution means a larger lifting capacity



## Waste no time servicing

- All service points are easily accessible from the ground

# 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 LONG REACH**

## Z-bar

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. The Z-bar offering is now enhanced with the addition of the Long Reach arm, providing an extra 310mm to give a maximum hinge pin height of 3.7m. Specifically designed to reach over diet feeders and high sided trailers, the Long Reach arm is available only on the largest W80C model.



**TOOL CARRIER**

## TC (Tool Carrier)

TC 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.



## Euro coupler versatility

- Simplify attachment logistics with the new Euro coupler option
- Compatible with standard tractor front loader Euro attachments



## High performance attachments

- A wide variety of high performance attachments are available. Please contact your local dealer for further information



## Fast attachment change over

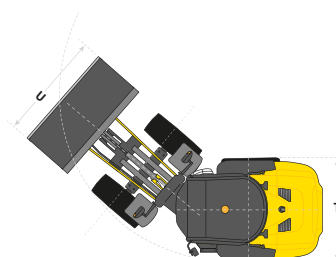
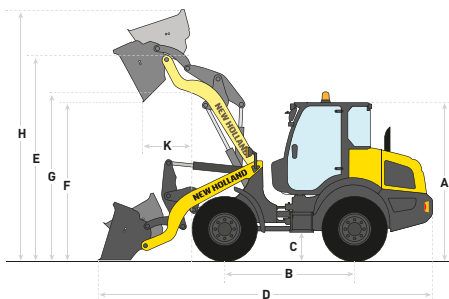
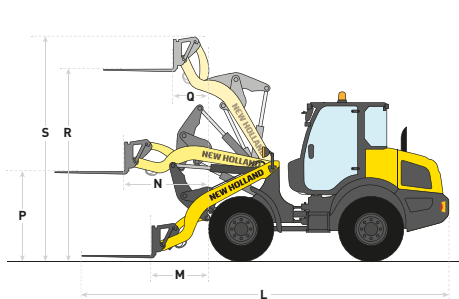
- Attaching implements can be done from the comfort of the cab thanks to the convenient hydraulically locking quick attach headstock
- A choice of headstock designs are also available depending on preference
- The front electrical socket allows for multifunction or special attachments



## Models

|                                                                          | W50C                                                          | W60C                                                                        | W70C                                                                                                                              | W80C                                                                                                       |
|--------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Engine*</b>                                                           | FPT F5H                                                       | FPT F5H                                                                     | FPT F5H                                                                                                                           | FPT F5H                                                                                                    |
| No. of Cylinders / Valves                                                | 4 / 2                                                         | 4 / 2                                                                       | 4 / 2                                                                                                                             | 4 / 2                                                                                                      |
| Displacement (cm³)                                                       | 3400                                                          | 3400                                                                        | 3400                                                                                                                              | 3400                                                                                                       |
| Aspiration                                                               | Turbocharged                                                  |                                                                             |                                                                                                                                   |                                                                                                            |
| Injection                                                                | High Pressure Common Rail                                     |                                                                             |                                                                                                                                   |                                                                                                            |
| Exhaust                                                                  | eCEGR + DOC + DPF                                             |                                                                             |                                                                                                                                   |                                                                                                            |
| Compliant with engine emissions regulations                              | Stage V                                                       |                                                                             |                                                                                                                                   |                                                                                                            |
| Rated engine power - ISO 14396 - ECE R120 (kW/hp(CV))                    | 43/58 @ 2500rpm                                               | 48/64 @ 2500rpm                                                             | 55/75 @ 2500rpm                                                                                                                   | 55/75 @ 2500rpm                                                                                            |
| Max. torque - ISO 14396 (Nm)                                             | 250 @ 1400rpm                                                 | 260 @ 1400rpm                                                               | 314 @ 1400rpm                                                                                                                     | 314 @ 1400rpm                                                                                              |
| Fuel tank capacity (Litres)                                              | 87                                                            | 87                                                                          | 87                                                                                                                                | 87                                                                                                         |
| <b>Hydraulics Loader-Articulation</b>                                    |                                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| System type                                                              | Integrated steering / loader open-center circuit              |                                                                             |                                                                                                                                   |                                                                                                            |
| Main pump - flow / pressure (lpm / bar)                                  | 67 / 210                                                      | 67 / 230                                                                    | 85 / 230                                                                                                                          | 85 / 230                                                                                                   |
| High flow circuit - flow / pressure (lpm / bar)                          | -                                                             | -                                                                           | 130 / 200                                                                                                                         | 130 / 200                                                                                                  |
| Hydraulic oil tank / system capacity (Litres)                            | 40 / 57.2                                                     | 40 / 57.2                                                                   | 40 / 57.2                                                                                                                         | 40 / 57.2                                                                                                  |
| <b>Driveline</b>                                                         |                                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| Type of transmission                                                     | 4WD Hydrostatic                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| Number of mechanical speed                                               | 1                                                             | 1                                                                           | 1 or 2                                                                                                                            | 1 or 2                                                                                                     |
| Maximum speed (kph)                                                      | 20                                                            | 20                                                                          | 18 / 30                                                                                                                           | 20 / 35                                                                                                    |
| <b>Axles and differentials</b>                                           |                                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| Rear axle - total oscillation (°)                                        | 18                                                            | 18                                                                          | 20                                                                                                                                | 20                                                                                                         |
| Front and rear axles type                                                | Limited slip differential                                     | Limited slip differential                                                   | Limited slip differential or 100% lockable differential                                                                           | Limited slip differential or 100% lockable differential                                                    |
| <b>Brakes</b>                                                            |                                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| Service brake control                                                    | Hydraulic foot operated                                       |                                                                             |                                                                                                                                   |                                                                                                            |
| Service brake type                                                       | Drum on W50C Z-bar<br>Caliper type on front axle on W50C TC   | Caliper type on front axle                                                  | Caliper type on front axle                                                                                                        | Caliper type on front axle                                                                                 |
| Parking brake                                                            | Caliper type on front axle, mechanically actuated             |                                                                             |                                                                                                                                   |                                                                                                            |
| <b>Tyres</b>                                                             |                                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| Wide choice of industrial and agricultural tyres                         | 12.5-18<br>335/80 R18<br>365/70 R18<br>Agriculture 340/80 R18 | 12.5-18<br>335/80 R18<br>365/70 R18<br>405/70 R18<br>Agriculture 340/80 R18 | 12.5-20 / 14.5-20<br>365/70 R18 / 365/80 R20<br>405/70 R20<br>Agriculture 400/70 R20<br>Flotation 550/45 R22.5<br>Snow 360/80 R20 | 14.5-20<br>365/80 R20<br>405/70 R20<br>Agriculture 400/70 R20<br>Flotation 550/45 R22.5<br>Snow 360/80 R20 |
| <b>Cab</b>                                                               |                                                               |                                                                             |                                                                                                                                   |                                                                                                            |
| Protection against falling objects (FOPS) ISO 3449:2005 - Level II       | ●                                                             | ●                                                                           | ●                                                                                                                                 | ●                                                                                                          |
| Protection against roll over (ROPS) ISO 3471:2008                        | ●                                                             | ●                                                                           | ●                                                                                                                                 | ●                                                                                                          |
| Sound pressure level at operator's station - LpA - ISO 6396:2008 (dB(A)) | 71                                                            | 71                                                                          | 71                                                                                                                                | 71                                                                                                         |
| Outside sound power level - LwA - EU Directive 2000/14/EC (dB(A))        | 101                                                           | 101                                                                         | 101                                                                                                                               | 101                                                                                                        |

● Standard – Not available \* Developed by FPT Industrial



## Main dimensions

|                                                 | W50C     | W60C       | W70C       | W80C       |
|-------------------------------------------------|----------|------------|------------|------------|
| <b>Linkage</b>                                  | Z-BAR TC | Z-BAR TC   | Z-BAR      | Z-BAR LR   |
| Reference tyres                                 | 12.5-18  | 335/80 R18 | 365/70 R18 | 405/70 R20 |
| Reference bucket w/ cutting edge and HP coupler | GP 0.7m³ | GP 0.8m³   | GP 0.9m³   | GP 1.0m³   |
| A - Cab height (mm)                             | 2458     | 2457       | 2627       | 2680       |
| B - Wheelbase (mm)                              | 2075     | 2075       | 2225       | 2225       |
| C - Ground clearance (mm)                       | 444      | 444        | 440        | 493        |
| D - Overall length w/ bucket (mm)               | 5314     | 5439       | 5674       | 5735       |
| E - Hinge pin height (mm)                       | 3134     | 3182       | 3290       | 3395       |
| F - Dumping height (mm)                         | 2454     | 2484       | 2563       | 2651       |
| G - Max. obstacle height (mm)                   | 2580     | 2596       | 2750       | 2831       |
| H - Max. bucket height (mm)                     | 3926     | 4011       | 4180       | 4322       |
| K - Dumping reach (mm)                          | 783      | 862        | 880        | 880        |
| L - Overall length w/ forks 1200mm long (mm)    | 5958     | 6058       | 6246       | 6279       |
| M - Reach @ ground level (mm)                   | 910      | 1012       | 1001       | 976        |
| N - Max. reach (mm)                             | 1337     | 1422       | 1440       | 1445       |
| P - Forks height @ max. reach (mm)              | 1330     | 1329       | 1391       | 1450       |
| Q - Forks reach @ max. height (mm)              | 576      | 638        | 632        | 614        |
| R - Max. forks height (mm)                      | 2967     | 3014       | 3129       | 3237       |
| S - Overall forks height (mm)                   | 3534     | 3582       | 3805       | 3805       |
| T - Machine width (mm)                          | 1740     | 1740       | 1860       | 1860       |
| U - Bucket width (mm)                           | 1900     | 2050       | 2050       | 2100       |

## Loading performance

|                                                    | W50C     | W60C     | W70C  | W80C     |
|----------------------------------------------------|----------|----------|-------|----------|
| <b>Linkage</b>                                     | Z-BAR TC | Z-BAR TC | Z-BAR | Z-BAR LR |
| <b>Loading performance w/ bucket*</b>              |          |          |       |          |
| Payload ISO 14397-1 Deflected tyres (kg)           | 1451     | 1855     | 1907  | 2010     |
| Tipping load - Straight (kg)                       | 3518     | 4217     | 4435  | 4822     |
| Tipping load - Articulated at 40° (kg)             | 2903     | 3711     | 3814  | 4019     |
| Maximum breakout force (kg)                        | 4288     | 5382     | 5895  | 5833     |
| Operating weight (kg)                              | 4583     | 5400     | 5672  | 6200     |
| <b>Loading performance w/ forks (1200mm long)*</b> |          |          |       |          |
| Payload - Firm and level ground (kg)               | 1648     | 2107     | 2249  | 2449     |
| Operating weight (kg)                              | 4570     | 5275     | 5559  | 6060     |

\* W60C & W80C include additional 150kg counterweight

# 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.



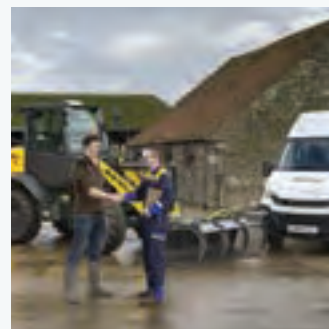
## Top Speed

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.

AT YOUR OWN DEALER



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