

Wheel Loaders

W170D+ Forage Power



W170D+ Forage Power – Built for Silage Excellence.

New Holland's W170D+ Forage Power is a purpose-built evolution of the W170D Wheel Loader—designed specifically for silage clamping. It's engineered for silage contractors who demand more: more pushing power, more uptime, more autonomy, more comfort. This version features 37% higher torque versus the standard W170D+ and its new 6-speed gearbox ensures maximum pushing force and efficiency—especially on steep slopes. The unique cooling box design with self-cleaning reverse fan provides outstanding cooling efficiency and more uptime. A 400-litre diesel tank ensures long-lasting autonomy during peak harvest days. And with the engine speed control function, contractors can travel farm-to-farm with less fatigue and more control.



6-speed transmission with lock-up

To maximise clamp performance, lock-up engages from first gear, significantly boosting pushing power. The W170D+ Forage Power features 100% front differential locks and a self-locking limited-slip rear differential for exceptional traction control.



Precise Control with Power Inch

The Power Inch function gives the operator full control by proportionally disengaging the drive as the brake is applied. This ensures smooth, precise unloading—even on steep slopes—without the risk of rollback.

W170D+ Forage Power – The Heart of High-Performance Silaging.



Best-in-class torque-to-weight ratio

Powered by a 6.7-litre Stage V FPT engine, the W170D+ Forage Power delivers 255hp and 1,300Nm of torque. Its superior torque ensures top performance under heavy loads and on steep slopes—where torque matters more than peak power.

Efficient After-Treatment-System

The HI-eSCR 2 system complies with Stage V emissions standards without the need for exhaust gas recirculation (EGR), resulting in lower maintenance requirements and enhanced engine reliability.

Future-Proof Fuel Compatibility

New Holland Wheel Loaders run on B7 Biodiesel, HVO, and all XTL synthetic fuels (DIN EN 15940), ensuring long-term sustainability and flexibility.



Optimum weight distribution

The D+ series features a rear-mounted engine for ideal weight balance, eliminating extra ballast and lowering the centre of gravity for superior stability. This layout also improves ground-level access to service points—enhancing uptime and safety.

Unique cooling package

The D+ series features a cooling cube layout with unstacked radiators, allowing each of the five main radiators to receive direct airflow. The programmable reversible fan pushes cool air through each radiator individually, preventing hot air from circulating between them. This design reduces fan workload and power consumption—ensuring efficient, reliable cooling even during demanding silage clamping operations.



Built for Uninterrupted Work

To support extended operations, the W170D+ is equipped with a large 400-litre diesel tank—minimising refuelling stops and maximising productivity.



Reach Higher, Work Smarter

The W170D+ Forage Power delivers top performance with powerful Z-kinematics and a Long Reach loader arm, offering excellent visibility and the ability to load even the highest trailers.

W170D+ Forage Power – Your All-Day Comfort Zone.



Panoramic Visibility

The D+ series cab offers near-360° visibility through an elevated driving position, curved glass, and slim pillars. A curved one-piece windscreen provides a clear view of the loader arm and surroundings—ideal for precise work in tight spaces. For added safety, a standard 178° rear-view camera activates automatically in reverse and displays on the 8" screen.



Premium Comfort and Safety

Built for long shifts, the D+ series cab offers easy access via 180° doors, a quiet 68dB(A) workspace, and full FOPS/ROPS certification. Operators enjoy a heated, ventilated, weight-adjustable seat, electrically adjustable rear-view mirrors, and ergonomic controls. Stay connected with a Bluetooth DAB+ radio, ceiling-mounted microphone, and AUX/USB ports in the side console. Advanced ventilation and low-vibration suspension ensure lasting comfort and focus.



Joystick Steering Control

Joystick steering on the left armrest reduces operator fatigue and boosts productivity in repetitive-cycle tasks like truck loading. With selectable aggressiveness—Smooth, Moderate, or Aggressive—it adapts to your working style for optimal comfort and control.

W170D+ Forage Power – Smart Automation for Seamless Operation.

Easy to Use

The D+ series cab is designed for intuitive operation. All controls are ergonomically grouped around the multifunction joystick, with three configurable buttons on the right armrest and a soft-touch keyboard on the side console. The armrest, mounted on the air-suspended seat, moves with the seat—ensuring consistent comfort even on uneven terrain.



1 Automated Efficiency

New Holland D+ Wheel Loaders feature “Click & Dig” automation for fast, efficient loading: Autodig, Autodump, Autometering, and a customisable Recorded Mode—all activated with a switch and a joystick movement.

2 Smart Features

Return-to-Dig, Return-to-Height, and Return-to-Travel streamline repetitive tasks by reducing operator fatigue and ensuring consistent precision. Activated via joystick, they function independently of attachments and retain target positions even after engine restart.

3 Effortless Travel Between Farms

The engine speed control system allows operators to set a target rpm, reducing the need to press the accelerator during long-distance travel. Ideal for contractors moving between farms, it enhances comfort and reduces fatigue.



Silage-Ready Fenders

Height and width-adjustable fenders with removable extensions prevent grass build-up and protect against damage during close contact with silage walls—ensuring the tyres, not the fenders, take the hit.



LED Lighting for Long Days

During long harvest days, the W170D+ keeps productivity high with up to ten high-intensity LED work lights and two rear hood lights, delivering a total of 43,000 lumens. A new egress lighting option ensures safe exit after shutdown.

Model

W170D+ Forage Power

Engine		
Peak engine power	[kW/hp(CV)]	187/255
Max. Torque	(Nm)	1300
No. cylinders		6
Displacement	(l)	6.7
Aspiration and Injection		Turbocharger with air-to-air cooling. No EGR valve is used: Only fresh air is taken for combustion and no extra cooling system is needed.
Exhaust gas treatment and Exhaust level		HI-eSCR 2 (DOC+SCRoF)
Fuel tank capacity	(l)	400
DEF (AdBlue) capacity	(l)	41.3
Work hydraulics		
System and pump type		Variable displacement pump with closed centre
Max pump flow	(l/min)	209
Max. system pressure	(bar)	250
Pilot control boom / 3. service		Electro-hydraulic control
Hydraulics capacity	(l)	180
Driveline		
Type of transmission		Ecoshift: 6-speed powershift with lock up from the first gear. Lock up clutch eliminates torque converter losses from first gear up to sixth gear. Intelligent Clutch Cut Off (ICCO) with Power Inch: Proportional declutching
Max speed (std. / opt.)	(km/h)	50* / 20 *limited to 40 km/h if required by specific country regulations"
Standard tyres		Michelin MegaXBib 750/65R26
Oscillating angle rear axle		16°
Differential lock front and rear		100% differential lock in the front and limited slip differential in the rear
Brakes		
Service brake		Maintenance free, self-adjusting wet 4-wheel disc brakes
Parking brake		With the negative brake, all four wheels lock automatically when the engine shuts off
Electrical system		
Onboard voltage	(V)	24
Cab		
Protection against falling objects (FOPS)		According to ISO 3449:2005
Protection against roll over (ROPS)		According to ISO 3471:2008
Sound pressure level at operator's station - LpA - ISO 6396:2008	[dB(A)]	68
Outside sound power level - LwA - EU Directive 2000/14/EC	[dB(A)]	103

Model

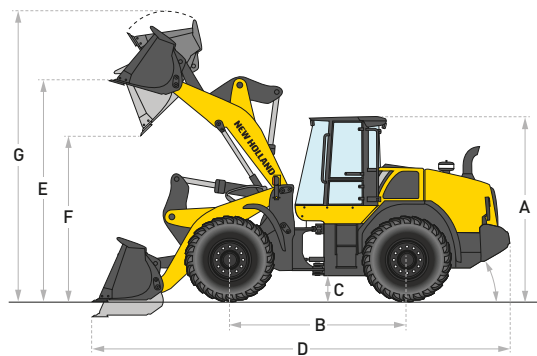
W170D+ Forage Power

Dimensions		
A - Overall height	(mm)	3437
Overall height with beacon	(mm)	3741
C - Ground clearance	(mm)	450
D - Overall length with 4.0m ³ bucket	(mm)	8777
Overall width w/o bucket	(mm)	2757
Turning Radius Outside of Tyres	(mm)	5847
B - Wheelbase	(mm)	3253
Front wheel to Quick Coupler	(mm)	1941
Rear Wheel to Rear	(mm)	2069
E - Hinge pin height	(mm)	4539
Rear Departure Angle	(°)	31°
Specification with 2.7m ³ bucket		
F - Dump Height @ 45° Dump	(mm)	3300
G - Max. bucket height	(mm)	5913
Bucket Reach @ 45° Dump Angle - 2m Height	(mm)	1887
Standard bucket volume	(m ³)	2.7
Specification with forks		
Maximum stacking height	(mm)	4577
Fork Reach @ Full Height	(mm)	526
Maximum Fork Reach	(mm)	1718

Model

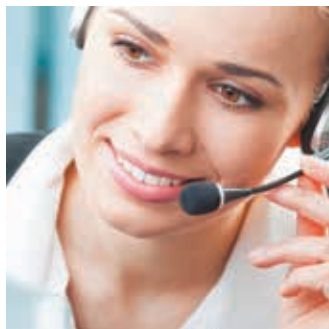
W170D+ Forage Power

Performance with bucket		
Bucket Tipping Load - Straight	(kg)	10507
Bucket Tipping Load @ 40° Turn	(kg)	8912
Payload - 2.7 m ³ Bucket - Rigid Tyres (ISO 14397-1)	(kg)	4456
Operating Weight - Bucket	(kg)	16471
Breakout Force	(kg)	11939
Performance with forks		
Forks Tipping Load - Straight	(kg)	9020
Forks Tipping Load @ 40° Turn	(kg)	7731
Payload - Forks 80 % (Firm and Level Ground)	(kg)	4182
Payload - Forks 60 % (Uneven terrain)	(kg)	4182
Operating Weight Forks	(kg)	15780



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.



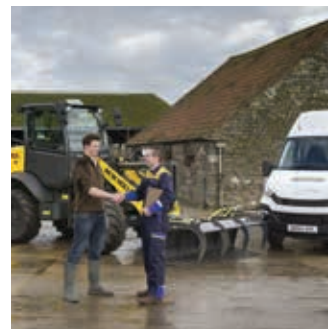
Top Speed

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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