



NEW HOLLAND FR

FR450 | FR500 | FR600 | FR700 | FR850



NEW FR.TOP CHOP QUALITY PAYS

For over half a century, New Holland has led the way in self-propelled forage harvesting innovation and capacity. The NEW FR Series harvesters continue New Holland's legacy of industry-leading chopping quality and performance, and add significantly improved capacity, operator comfort and control.

- **Clean power. Pure Performance.** The FR450 and FR500 benefit from the productivity enhancing features of Cursor 9 and 13 engines equipped with ECOBlue™ SCR technology for Tier 4A compliance.



- **Proven Power Cruise™ II system** automatically adapts engine and ground speed to load for fuel savings of up to 15%.

- **Optional Dual Drive system** adds a second hydrostatic drive so more power can be transmitted to the crop attachment. This allows you to adjust attachment speed independently from the feedroll speed on the go.

- **Impressive 55-degree steering angle** allows for smaller headland turns and less time harvesting.

- **Paddle-type blower** increases the flow of air by 40% to move higher volumes of crop more efficiently.

- **Advanced MetaLoc™ system** protects the harvester from metal. Featuring six detection zones, it brings the feedrolls to a halt within 300 milliseconds if metal is detected - protecting cattle and your FR Forager.

- **100% mechanical four-wheel-drive option** permits year-round working in the most extreme conditions.

- **Unique, patented VariFlow™ system** can be changed from maize to grass position in under 2 minutes without the need for tools.

- **State-of-the-art, high-capacity headers** match the FR Series voracious appetite for grass, wholecrop, maize and coppice crops.



HUGE DIMENSIONS FOR HUGE CAPACITY

- NEW! Redesigned, 860mm wide feedrolls allow for increased material throughput.
- Industry-leading HydroLoc™ technology ensures constant chop length regardless of crop or load, and allows you to regulate chop length from the seat.
- Largest cutterhead in the business, at 900mm wide by 710mm in diameter and weighing 600kg, delivers exceptionally high inertia and outstanding chopping performance.
- Patented Adjust-o-matic™ automatic knife sharpening allows you to easily sharpen knives and adjust the shearbar from the comfort of the cab.



- **A full 210 degrees of spout rotation** gives you the freedom to fill trailers to right or left.

- **Optional IntelliFill™ system** automatically controls spout movement, using a 3D camera to automatically detect the trailer edges and monitor filling.

- **NEW! Extended operator platform** includes additional sculpted hand rails for comfortable, safe entry and exit.

- **Ultra-long 3.2 metre wheelbase** assures ultimate stability both in the field and on the road.

- **Ground clearance** is up to a full 14cm more than the competition. This helps when working in muddy, difficult conditions.

- **A wide selection of tyres** is available to suit individual needs. This includes super-tall 710/70R42 tyres, as well as super wide 900/60R38 tyres for a large in-field footprint - enhancing traction, reducing compaction and improving the ride.



COMPLETE MAINTENANCE ACCESS

Self-supporting, fully opening single-piece side and rear shielding provides complete access for maintenance tasks. Super-long service intervals allow you to stay in the field longer.



THE BIGGEST, QUIETEST FIELD OFFICE

- Spacious cab is larger than the nearest rival and boasts a quiet, 76-decibel sound level.
- Uninterrupted 360-degree panoramic visibility from the wide, curved front and rear windows and sculpted, curved side doors.
- CommandGrip™ multi-function lever puts controls at your fingertips.
- NEW! Ultra-wide IntelliView™ IV color touch-screen monitor puts you in control.
- Electric mirrors can be positioned from within the comfort of the cab.
- Automatic climate control system keeps the cab at a comfortable temperature.
- Fully adjustable operator seat with ergonomic armrest controls, and a full-size instructor seat keep you comfortable on long days.



SPECIFICATIONS

Models	FR450	FR500	FR600	FR700	FR850
Engine	FPT Cursor 9*	FPT Cursor 13*	FPT Cursor 13 Turbo Compound*	Caterpillar C18	FPT Vector 20*
Engine configuration and number of cylinders	In-line 6	In-line 6	In-line 6	In-line 6	V8
Capacity (cm³)	8700	12900	12900	18100	20100
Compliant with engine emissions regulations	Tier 4A	Tier 4A	Tier 3	Tier 3	Tier 2
ECObLue™ SCR system (Selective Catalytic Reduction)	●	●	–	–	–
Gross engine power @ 2100rpm - ISOTR14396 - ECER120 [kW/hp(CV)]	300/409	350/475	400/544	470/639	565/768
Max. engine power @ 1800-2000rpm - ISOTR14396 - ECER120 [kW/hp(CV)]	330/449	380/516	441/600	504/685	606/824
Maximum torque @ 1500rpm ISO14396 - ECER120 (Nm)	1939	2272	2590	2957	3584
Torque rise (2100 to 1500rpm) (%)	30%	38%	33%	37%	36%
Power Cruise™ II system	●	●	●	●	●
Fuel tank					
Diesel capacity (l)	1040	1040	1220	1220	1220
AdBlue capacity (l)	150	150	–	–	–
Feeding	HydroLoc™ drive	HydroLoc™ drive	HydroLoc™ drive	HydroLoc™ drive	HydroLoc™ drive
Length of cut adjustment	Infinite	Infinite	Infinite	Infinite	Infinite
Number of feed-rolls (n°)	4	4	4	4	4
MetaLoc™ metal detection with position indication	●	●	●	●	●
Cutterhead knives offering	2 x 6 / 2 x 8 / 2 x 12 / 2 x 16 / 2 x 20				
Cutterhead frame width (mm)	900				
Cutterhead cylinder width (mm)	884				
Cutterhead diameter (max. / min.) (mm)	710 / 690				
Adjust-O-Matic™ shearbar setting	●	●	●	●	●
Automatic knife sharpening system with reverse drive	○	○	○	○	○
Variflow™ system	Shift between crops in under two minutes				
Crop processor					
Roll diameter (mm)	200 / 250	200 / 250	250	250	250
Two-roll system with saw tooth profile (teeth)	77 / 99 / 126 / 166		99 / 126 / 166		
Chrome coated two-roll system with 99/126 Teeth combination	–	○	○	○	○
Width crop processor rolls (mm)	750				
10% speed differential	○	○	–	–	–
22% speed differential	●	●	●	●	●
30% speed differential (only with 99/126 teeth combination)	–	○	○	○	○
60% speed differential (whole crop)	○	○	○	○	○
Roll clearance range (electro-hydraulic adjustment) (mm)	1-6				
Blower					
Blower rotor diameter (mm)	525				
Blower rotor width (mm)	750				
Spout					
Spout maximum height (mm)	6400	6400	6400	6400	6400
Rotation angle (°)	210	210	210	210	210
Automatic spout functions (home and work positions)	●	●	●	●	●
Spout side collision protection	●	●	●	●	●
Abrasive option	○	○	○	○	○
Transmission					
Hydrostatic gearbox with 4 speeds	●	●	●	●	●
Differential lock	●	●	●	●	●
Mechanical powered rear wheels	○	○	○	○	○
Maximum road speed @ 1400rpm (kph)	40	40	40	40	40
Header control systems					
Automatic stubble height control	●	●	●	●	●
Pressure compensation mode	●	●	●	●	●
Autofloat™ system	○	○	○	○	○
Mechanical lateral flotation	●	●	●	●	●
Power Reverse™ hydraulic header reverser	●	●	●	●	●
Automatic header speed synchronisation to forward speed	●	●	●	●	●
Cab glass area (m²)	6.8	6.8	6.8	6.8	6.8
HID lighting pack	○	○	○	○	○
IntelliView™ IV monitor with adjustable position	●	●	●	●	●
3 viewing camera's	○	○	○	○	○
Automatic climate control and coolbox	○	○	○	○	○
Optimum cab noise level - ISO 5131 (dB(A))	76				
New Holland Precision Land Management systems					
Automatic row guidance system for maize headers	○	○	○	○	○
IntelliFill™ system	○	○	○	○	○
Optional additive tank (with adjustable flow) capacity (l)	400	400	400	400	400
Yield measuring and moisture measuring	○	○	○	○	○
Weight*** (kg)	12550	12750	12760	13060	13260

● Standard ○ Option – Not available * Developed by FPT Industrial ** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines *** Grass configuration

New Holland prefers AMBRA lubricants



YOUR SUCCESS - OUR SPECIALTY

AT YOUR OWN DEALER

NEW HOLLAND TOP SERVICE 00800 64 111 111

24/7 Support and Information - The call is free from a land line. Check in advance with your Mobile Operator if you will be charged. Alternatively call 01 2421881. Visit our web site for UK: www.newholland.com/uk - for ROI: www.newholland.com/ie

The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. Bts Adv. - 123010/INB - Printed in Italy - 08/12 - TP01 - (Turin)