New Holland
Self-Propelled Forage Harvesters
FX28    FX38    FX58
More power, capacity and convenience

Harvest your crops faster than ever with FX self-propelled forage harvesters

FX self-propelled forage harvesters from New Holland are the most powerful, highest-capacity chopping machines we’ve ever built.

Up to 525 horses strong
The FX58 is equipped with a turbocharged, intercooled 525-horsepower Caterpillar diesel that delivers unmatched cutting power to harvest crops faster than ever before. The FX38, equipped with a New Holland six-cylinder, turbocharged diesel, produces 414 horsepower while the FX28 puts 346 horsepower to work.

High-capacity cutterhead
With new beveled and reversible knives, the extra-wide 30-inch FX cutterhead is built for one thing: efficient, high-capacity chopping. There’s simply no better cutterhead... and sharpening has never been easier. New Holland’s Accucut™ knife-sharpening and sheabar-setting system not only improves chop length and quality by providing automatic in-field sharpening and adjustment, it also maximizes horsepower efficiency.
New Holland FX forage harvesters provide all the power you need for high-capacity chopping.

Productivity is built in

FX harvesters are designed with many important productivity-boosting features like Metalert III® metal detection, optional 4WD, a spout that’s even easier to position and maneuver, and three windrow pickup headers.

Add the optional CropPro™ Plus crop processor to produce better silage. For maximum convenience and efficiency, it can be engaged with the push of a button from inside the cab. Speaking of cabs, they’re absolutely best-in-class — from their air-ride seat to lots of glare-free glass.

With a powerful FX self-propelled forage harvester, you’ll work faster, better and in more comfort than with any other harvester.

New Holland FX forage harvesters provide all the power you need for high-capacity chopping.
One word describes this cutterhead: Massive

The 30-inch cutterhead features beveled, reversible knives for long-lasting performance

Measuring 30-inches wide and weighing 750 lb., the rugged FX cutterhead is built to cut more crop and chop it more efficiently. In fact, everything about the cutterhead is designed for top production and durability.

The cutterhead features beveled, reversible knives that span the full width of the cutterhead. These double-sided knives offer the best knife-to-shear-bar angle and maximize efficiency in corn, providing a consistently cleaner cut with less power. The FX58 is available with eight knives and the FX28 and FX38 come with 12 knives. For enhanced durability, the cutterhead drive features a water-cooled gearbox.

FX harvesters also operate at higher feedroll and ground speeds to maximize your production. Better crop flow

The FX crop flow system features a short, direct path from the wide throat opening through the feedrolls. This design allows direct crop transfer at continuous speeds, reducing friction and fuel consumption.

The reinforced blower features a deep-drawn blower cone and four fixed paddles to boost strength and crop flow. Powerful paddles direct the crop into the spout, which rotates a full 210 degrees—great for topping off trucks and wagons. The blower features a standard speed of 668 rpm. An optional two-speed blower kit is available to obtain a blower speed of 760 rpm for those hard-to-move crops.

FX harvesters are also equipped with a two-speed electric-over-hydraulic-controlled spout that’s designed for years of trouble-free service. It’s easy to operate and control by using the multi-function lever inside the cab.
CropPro™ Plus productivity

When it comes to producing better silage for cattle rumen, the optional CropPro™ Plus processor delivers the ultimate in push-button convenience, performance and productivity. This innovative crop processor can be opened up to 7 inches wide, allowing crop to pass through without being processed, and then closed back down to the processing position ... right from the cab with the simple touch of a button. This allows you to move from corn silage to haylage to winter forage — and back again — in seconds.

CropPro Plus shears cobs and stems while also cracking and crushing kernels. The result is better fermentation and more effective fiber. And because the CropPro Plus is mounted close to the cutterhead and blower (the closest in the industry), it greatly reduces the chance of plugging. Another unique CropPro Plus feature: only the top roll is belt driven. The bottom roll is hydraulically driven. This eliminates the backwrap that’s common on competitive units and improves overall processor performance and productivity.

The optional CropPro™ Plus crop processor can be opened — allowing crop to pass through without being processed — or closed down to the processing position, with the touch of a button.

The location and positioning of the four-paddle blower means excellent performance and smooth crop flow in all crop conditions.

The double spout flipper lets you direct crop into low, covered wagons and trucks or anywhere you want it. Maximum discharge height of the spout is more than 16 ft.
**Enjoy fast in-field sharpening and adjustment**

**Accucut™ system improves chopping quality and maximizes cutting capacity**

From the comfort of the cab, you can control knife sharpening and shearbar settings for optimum chopping quality and cutting capacity.

Fully automated, the Accucut™ system sharpens knives by running the cutterhead in reverse. It works so quickly, you can sharpen knives frequently to increase chopping efficiency.

When you switch on the Accucut system, an improved, three-inch diameter sharpening stone passes over the length of the knives, producing an evenly ground cutterhead. A built-in timing device on the control panel lets you select the sharpening time. An automatic shut-off device stops the process.

For precise shearbar clearance, electric motors on each side move the shearbar to the correct setting. A special solenoid and knock sensor systematically check proper shearbar clearance and setting functions. Special shearbars improve performance in grass and corn.
This chart illustrates the benefits of the exclusive New Holland Accucut™ system:

1. When chopping with sharp knives and a 0.01 mm knife-to-shearbar clearance (A), the available horsepower can be converted into optimum chopping efficiency, both in terms of crop quantity and quality.

2. When operating with the often encountered combination of sharpened knives but excessive knife-to-shearbar clearance (B), it requires twice as much power to achieve the same crop volume, and chop length quality will deteriorate.

3. In the case of blunt knives and excessive knife-to-shearbar clearance (C), the power requirement triples and chop length quality becomes unacceptable.

An electronic control panel monitors all sharpening and shearbar setting functions.

Sharp knives and proper shearbar settings produce a uniform chop length.
Smooth crop flow means peak productivity

FX harvesters feature the widest feed opening in the industry for maximum crop intake

Smooth, high-volume crop flow is an FX advantage. Four wide feedrolls move the crop directly from the pickup to the cutterhead. Together, the wide throat opening, cutterhead and feedrolls maximize crop harvesting. The FX system optimizes power, virtually eliminates feedroll blockage and delivers a precise, uniform chop.

Chopped material is fed directly into the large, four-paddle blower, which is positioned to enhance the smooth crop flow into the spout.

The upper feedrolls automatically adjust to the volume of the incoming crop. The chopper body pivots around the center shaft of the cutterhead to maintain consistency between attachment and feedrolls.

To keep pace with high-capacity demand, a heavy-duty Length of Cut (LOC) gearbox features a reinforced gearbox driveshaft for greater durability. For convenience, you can select from four cut lengths. (See chart below.)

Top-capacity windrow pickup heads

Three windrow pickup heads are available to take advantage of FX chopping speed and capacity. Pickup widths are 9’ (2.7 m) on the 345W, 11’ 3” (3.4 m) on the 355W, and 15’ (4.57 m) on the 365W.

Available cut lengths

<table>
<thead>
<tr>
<th>LOC gear</th>
<th>FX28 12-knife</th>
<th>FX38 12-knife</th>
<th>FX58 8-knife</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>⅜” (4.9 mm)</td>
<td>⅜” (3.7 mm)</td>
<td>⅜” (5.2 mm)</td>
</tr>
<tr>
<td>L2</td>
<td>⅝” (8.2 mm)</td>
<td>⅞” (6.2 mm)</td>
<td>⅜” (8.6 mm)</td>
</tr>
<tr>
<td>H1</td>
<td>⅛” (11.8 mm)</td>
<td>⅛” (9 mm)</td>
<td>⅛” (12.5 mm)</td>
</tr>
<tr>
<td>H2</td>
<td>⅜” (19.7 mm)</td>
<td>⅜” (15 mm)</td>
<td>⅜” (20.8 mm)</td>
</tr>
</tbody>
</table>

All with standard knife configuration. High-speed blower adds 10% to each length of chop. Knives can be removed for longer length of chop.

High-volume windrow pickup heads include the 365W, which provides a working width of 15 feet. Lateral flotation is standard on all windrow pickup heads.

Large feed openings mean high-capacity chopping.

Chop length is easily changed right at the length-of-cut gearbox.
Row-independent headers
Row-independent corn headers offer maximum versatility at harvest time and boost your productivity in small fields:

- Harvest corn independent of row direction and spacing and move from one field to another without changing headers
- Narrow transport width — less than 10 feet — makes it easy to go from field to field
- Choose two working widths — 14’9” or 19’8”. The RI450 and RI600 headers fit all New Holland self-propelled forage harvesters.

Windrow headers
Each pickup features:

- Quick-attach PTO
- Open-end design for easy pick up of wide or wind-blown windrows
- Automatic ground-hugging flotation that allows the header to follow field contours without operator assistance
- Extra-rugged gauge wheels
- Closely spaced, rubber pickup tines that flex to gather all the crop
- 22-inch diameter floating auger with 20 retractable fingers that provide even crop flow into the feedrolls for high-quality chopping

Corn headers
New Holland 360N 4-, 5- and 6-row headers are also available with features that include:

- Floating points with adjustable skid shoes that eliminate bulldozing and maximize intake of cornstalks, even in lodged crop conditions
- Spring-loaded discs that cut corn to the soil without dragging the ground
- Gathering chains that work away from the mud
- Aggressive auger that delivers a smooth flow of material

Metalalert III® metal detector
A Metalalert III® protects the cutterhead by stopping the harvester’s feedrolls and attachment drive the moment a piece of ferrous metal enters the feedrolls. Both front feedrolls are made from stainless steel. A magnet and sensor are housed inside the lower feedroll. The magnet emits a constant magnetic field between the two front feedrolls.

B When metal enters the feedrolls, it sends a signal to a solenoid located on the reversing gearbox output drive. The solenoid releases a spring pawl into the ratchet wheel, stopping the feedrolls. At the same time, it shuts off power to an electric clutch on the reversing gearbox, which shifts to neutral and stops power to the feedroll drive.

If a blockage occurs, the optional power reverse system clears crop from feedrolls and pickup. It then automatically repositions the retractable fingers in the pickup auger for a positive grip while holding the windguard in a raised position.
A 525-hp diesel redefines performance in harvesting

You’ll enjoy exceptional power and performance from FX self-propelled forage harvesters. The engines are designed to deliver the best power-to-capacity performance while maximizing fuel efficiency. And all are turbocharged and intercooled.

The FX58 is powered by a Caterpillar six-cylinder diesel that produces 525 hp. The six-cylinder New Holland diesels on the FX38 and FX28 produce 414 hp and 346 hp, respectively.

The FX58 features an electronically controlled governor that provides faster response and better torque backup without losing engine rpm. So, in the toughest terrain or heaviest crops, you won’t miss a beat. FX harvesters are also available with a new, electronically controlled rotary air screen brush. It clears away debris to keep air flowing through the screens to the radiator. The engine stays cooler and the harvester performs at peak capacity.

**Faster top speed**

Drivelines are designed to deliver more efficiency.

Hydrostatic ground drive provides the precise control, flexibility and maneuverability needed for harvesting operations. Speed is infinitely variable from 0 to 22 mph — a faster top speed than competitive harvesters.

An efficient hydrostatic pump is driven directly off the engine. Oil flows from the pump to a hydrostatic motor mounted on the four-range traction gearbox, which provides three
working ranges and one range for road transport. To change speed within a range using the multi-function lever, just move the lever from full speed to stop, or shift from forward to reverse in any of the four ranges.

Power passes through two high-speed shafts to final-reduction gearboxes, reducing torque load on the transmission.

In muddy or slippery conditions or on slopes, the standard differential lock increases traction. With 22.5 inches of ground clearance, you’ll get through the most difficult harvesting conditions.

**Reliable electronics**

A state-of-the-art control system transmits information through the Controller Area Network (CAN). Data is transmitted between the cab and control box, and is available at all times. Safety warnings and diagnostic feedback appear on the InfoView monitor inside the cab.
Exceptional on-the-job comfort

These cabs are full-featured for ultimate comfort and control, right down to the heated mirrors

Get ready to work in one of the most comfortable cabs you’ll find anywhere. The roomy cab features an air-ride suspension seat that provides firm support and multi-position comfort. There’s even a fold-down buddy seat. The steering column adjusts to the most comfortable height and tilt levels. Heating and air conditioning are standard.

For additional riding comfort, the entire cab is iso-mounted to dampen vibration.

A glare-free view
With tinted glass and an expansive, full-view design, the FX cab windshield gives you outstanding visibility. The cab floor in front of the steering column slopes down for a perfect view of incoming crop. Electrically controlled, heated mirrors increase your viewing area, while the heated rear window is helpful on damp mornings.

You’re in control
New Holland offers a new, simplified way to operate your FX. A multi-function lever puts all the controls at your fingertips. Two-speed spout rotation, double spout deflector, attachment lift and lower, forward/reverse feedroll gearbox, auxiliary hydraulic valves and emergency stop are all grouped together.

The selector panel lets you choose transport mode, stubble height and automatic compensation. All controls for the Accucut™ system are neatly grouped on one control panel.

Electro-hydraulic remote controls engage the cutterhead and blower, as well as the optional four-wheel drive. The operator also has right-hand control over the field function switch, metal detector, work lights, shearbar/sharpening engagement, cutterhead reverse drive and optional crop processor roll distance setting.
An InfoView monitor is your primary source of information. It provides constant feedback to the operator on ground speed, cutterhead and engine rpm, metal detection and crop processing. A self-diagnostic system is built in, and error messages are displayed in levels of importance. A service mode alerts the operator when service is needed.
Servicing is easy

FX harvesters feature built-in serviceability

New Holland FX harvesters can be taken apart by component, or opened up at critical spots to provide complete access for servicing. Wherever possible, grease points are banked together to cut downtime. An optional central lubrication system is available.

Bottom section of the chopper body can be folded open for access to blower and crop processor. The blower can be removed as a component for servicing and for maximum access to all drivelines and gearboxes.

The entire chopper body can be easily removed for access to the blower and crop processor. For periodic overhauls, the entire feedroll and cutterhead assembly can be removed using a tractor three-point hitch. Or, use the convenient, hydraulically powered stationary stand for field work.

Top feedrolls can be removed in the field, providing access to the cutterhead, shearbar and lower feedrolls. Just leave them assembled to the attachment and buck the base unit away. All feedroll and crop processor bearings are placed outside the frame for convenient servicing.

FX engines are positioned for easy servicing. Large, hinged shields, supported by gas struts, allow easy access to the engines from all sides.
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>FX28</th>
<th>FX38</th>
<th>FX58</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Type</td>
<td>New Holland 6-cylinder</td>
<td>New Holland 6-cylinder</td>
<td>Caterpillar 6-cylinder</td>
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<tr>
<td>Displacement</td>
<td>13.8L</td>
<td>13.8L</td>
<td>14.6L</td>
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<tr>
<td>RPM</td>
<td>1800</td>
<td>1800</td>
<td>1875</td>
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<tr>
<td>Power-hp (kW)</td>
<td>346 (258)</td>
<td>414 (309)</td>
<td>525 (391)</td>
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<tr>
<td><strong>Transmission</strong></td>
<td></td>
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<tr>
<td>Type</td>
<td>Hydrostatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of forward gears</td>
<td>4</td>
<td></td>
<td></td>
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<tr>
<td><strong>Cutterhead</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width-in (cm)</td>
<td>30 (76)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diameter-in (cm)</td>
<td>24 (61)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight-lbs (kg)</td>
<td>750 (340)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of knives</td>
<td>12</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>RPM</td>
<td>867</td>
<td>1141</td>
<td>1229</td>
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<tr>
<td>Cuts/min</td>
<td>13,692</td>
<td>13,692</td>
<td>9,832</td>
</tr>
<tr>
<td>Sharpening system</td>
<td>Accucut™ system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum chop length</td>
<td>(\frac{3}{16\text{}} (4.9 \text{ mm}))</td>
<td>(\frac{5}{32\text{}} (3.7 \text{ mm}))</td>
<td>(\frac{7}{32\text{}} (5.2 \text{ mm}))</td>
</tr>
<tr>
<td>Maximum chop length</td>
<td>(\frac{3}{16\text{}} (19.7 \text{ mm}))</td>
<td>(\frac{5}{32\text{}} (15 \text{ mm}))</td>
<td>(\frac{7}{32\text{}} (20.8 \text{ mm}))</td>
</tr>
<tr>
<td>(With standard knife configuration. Add 10% increase in chop length with a high-speed blower.)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Blower</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>4-paddle cone, close-coupled to cutterhead</td>
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<td></td>
</tr>
<tr>
<td>Diameter</td>
<td>40&quot; (101.6 cm)</td>
<td></td>
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<tr>
<td>Standard speed</td>
<td>686 rpm</td>
<td>686 rpm</td>
<td>738 rpm</td>
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<tr>
<td>High speed</td>
<td>760 rpm</td>
<td>760 rpm</td>
<td>818 rpm</td>
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<tr>
<td><strong>Crop Processor</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Weight-lbs (kg)</td>
<td>954 (433)</td>
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</tr>
<tr>
<td>Roll width-in (cm)</td>
<td>30 (76)</td>
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<tr>
<td>Roll diameter-in (cm)</td>
<td>(\frac{3}{4}) (20)</td>
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<tr>
<td>Roll gap-in (cm)</td>
<td>(\frac{3}{4}) - (\frac{3}{8}) (2-20)</td>
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<tr>
<td>Roll speed-rpm</td>
<td>3,360</td>
<td></td>
<td>3,780</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (to top of cab)-in (m)</td>
<td>145 (3.68)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length (without attachment)-in (m)</td>
<td>171 (4.34)</td>
<td></td>
<td></td>
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<tr>
<td>Width (varies with tire selection)-in (m)</td>
<td>121 (3.18)</td>
<td></td>
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</tr>
<tr>
<td>Weight (without attachment)-lbs (kg)</td>
<td>25,088 (11,380)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Attachments</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Windrow pickups</td>
<td>345W—working width 9’ (2.7 m); overall width 9’ 8(\frac{1}{2})’ (2.96 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>355W—working width 11’ 3” (3.4 m); overall width 11’ 11(\frac{3}{4})” (3.65 m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>365W—working width 15’ (4.57 m); overall width 15’ 8(\frac{1}{2})” (4.79 m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Row-crop units</td>
<td>360N4—4-row, narrow</td>
<td>360W5—5-row, wide</td>
<td>360N6—6-row, narrow</td>
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<tr>
<td>Row independent</td>
<td>R1450—working width 14’ 9” (4.5 m)</td>
<td>R1600—working width 19’ 8” (6.0 m)</td>
<td></td>
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</tbody>
</table>
At New Holland, we believe there’s a solution to every challenge and an opportunity at every turn. As the world of agriculture changes, we’re developing innovative equipment and service solutions that will keep you productive and in step with your marketplace.

Want to keep pace? Start with a friendly, familiar face — your New Holland dealer. By providing you with the right equipment and supporting you with outstanding after-the-sale service and parts support, your New Holland dealer will help you make the best choices for productivity and profitability.

Your New Holland dealer will also assist you with attractive finance, lease and insurance plans available through New Holland Credit. These customer-tailored plans are designed to maximize your cash flow, preserve your working capital and help you own or lease the equipment you need to work your best. Talk to your dealer about the complete selection of New Holland Credit programs, including the parts and service purchasing convenience afforded by the New Holland Plan.

It’s a changing, challenging world. New Holland and your New Holland dealer will be there with the solutions you need. Visit your New Holland dealer today.

Visit our website at www.newholland.com/na Or, call toll-free: 1-888-290-7377