

CASE IH

FORAGE HARVESTER & BLOWER



A NEW LEVEL OF CUTTING PERFORMANCE

You've nurtured your crop and selected the perfect time for harvest. Now it's time to preserve the nutrients in the crop. Choose the forage harvester that delivers precision chopping action and exceptional capacity—the **new Case IH FHX300 Pull-Type Forage Harvester**. It delivers a uniform cut that yields high-quality feed and makes blowing, storage and feeding easier. The FHX300 also lets you harness big-tractor power to get your crop out the field and into the silo faster than ever. Turn to pages 4 through 7 to learn more about the efficient crop flow and heavy-duty construction of this new model.

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COVER PHOTO: The new Case IH FHX300 gives you incredible capacity and control. A wide choice of cut lengths accommodates a full range of feeding strategies. No matter what length of cut you select, you can expect the chop to be uniform for more efficient feeding and handling.

The standard Case IH metal detector delivers added piece of mind. It protects both the cutterhead and your cattle (see page 7). And, for more efficient feeding of corn silage, consider the optional onboard crop processor. You'll find full details on page 6.

The FHX300 forage harvester is so efficient, you may need to upgrade your forage blower. Put the efficient **Case IH Model 600 Forage Blower** to work for you and you'll say goodbye to bottlenecks at the silo. The Model 600 center-fills silos up to 100 feet (30.5 m) and makes a productive addition to your forage-making team.

Visit your Case IH dealer today and learn more about the advantages of making silage the Case IH way.

The FHX300 is the perfect match for high-horsepower Case IH MAGNUM™ tractors. For optimum feeding efficiency in corn silage, consider the optional crop processor. It cracks and crushes kernels for enhanced fermentation and better feed quality.

HIGH-QUALITY SILAGE ... AND LOTS OF IT



For high-capacity haylage production, choose the FHX300 with a 76.5- or 92-in. (1.94 or 2.34 m) tine-to-tine windrow pickup. Rows and rows of curved tines gently gather every bit of the windrow — even short or fine hay.



For a forage blower that can keep up with the FHX300 and your wagons and trucks, choose the Case IH 600 forage blower. It fills extra-tall silos fast to increase your productivity. Features include an auger-fed design and a 60-in. (1524 mm) diameter blower fan.



TOP-CAPACITY HARVESTING

Discover the productivity advantages of the new Case IH FHX300 forage harvester. This high-capacity harvester makes fast work of your corn and hay acres, and quickly turns your forage crops into high-quality silage.

Heavy-duty design. The FHX300 was expressly designed for use with high-horsepower tractors — those from 180 to 300 horsepower. The wide, 24.4 in. (620 mm) throat opening swallows your heaviest crops, while the 1000-rpm driveline, heavy-duty components and wide crop heads are made to harness big-tractor horsepower and turn it into high-capacity harvesting performance. You control FHX300 operations right from your tractor seat using electric remote controls for spout, feedrolls, crop heads and standard hydraulic tongue swing.

FHX300 PULL-TYPE FORAGE HARVESTER

Precision crop cutting. Crop flows smoothly from the moment it enters the crop head. Three crop heads are available (see pages 8 and 9 for details). All three capture every bit of the crop you grow and guide it to the feedrolls. The feedrolls move material smoothly and evenly into the rugged 12-knife cutterhead for clean, uniform cutting action. This uniform length of cut leads to better silo loading, packing and unloading.

Most importantly, a uniform chop is the key to optimum feed value, maximum milk production and herd performance.

The FHX300 allows you to adjust to your precise needs by providing a wide selection of cutting lengths. You control length of cut by changing feedroll speed, adding or removing knives, or by using one of five optional recutter screens. With all 12 knives, you

can achieve a length of cut from $\frac{3}{16}$ in. to $\frac{7}{16}$ in. (5 to 11.1 mm). With 4 knives selected, you can achieve a cut length as long as $1\frac{5}{16}$ in. (33.3 mm).

Whether you're working in wet, heavy hay, or an easy-to-blow crop like corn, the 1000-rpm blower moves crop quickly to fill wagons and trucks fast.

Convenient adjustments. Keeping the FHX300 operating at peak efficiency is a simple proposition. Lightweight, hinged shielding lifts easily for fast inspection, adjustment and lubrication of internal components. A built-in knife sharpener makes it easier than ever to sharpen knives — no tools needed. The shearbar is also easy to adjust. The unique flip-up action of the feedrolls makes routine inspection and maintenance hassle-free.

There's much more to tell! Get a closer look at the FHX300 and learn the full story at your Case IH dealer.



At the heart of the Case IH Model FHX300 is this 21-in.-diameter, 12-knife cutterhead. Hardened alloy knives span the full width of the cutterhead and chop evenly and efficiently, converting your crop into high-quality feed.



In minutes, you can sharpen knives for uniform cutting and top fuel efficiency. A large, 3-in.-diameter sharpening ratchet-advanced stone passes over the length of the knives for an evenly sharpened cutterhead.



If you encounter extremely heavy material, an electric clutch allows you to control the reversing gearbox to easily unplug the head without leaving your tractor seat.



The Case IH feedrolls lift up for easy cleaning and inspection of the shearbar and smooth roll scraper. There's no need to take the feedrolls out of the machine, and no need to remove the crophead to lift the upper feedroll.

ONBOARD CROP PROCESSOR IMPROVES FEED QUALITY

To maximize feed quality in corn silage, equip your FHX300 with the optional onboard crop processor. It saves you time and cost by chopping and processing in one operation. Crop coming from the cutterhead is propelled between two 8 in. (203 mm) diameter fluted rolls. The top roll turns 15% faster than the bottom roll, providing the scuffing action necessary to crack kernels and break up cob pieces. This results in better fermentation and more effective fiber. In short, you get feed that's easier for your livestock to digest, improving your feed efficiency and increasing milk production.

The gap between the feedrolls can be adjusted from $\frac{3}{2}$ " (2.38 mm) to $\frac{5}{8}$ " (15.9 mm), depending on crop volume. And because both feedrolls are segmented, if damage occurs, the damaged section can be replaced without changing the entire roll.



The optional onboard crop processor is located behind the cutterhead. Chopped material passes directly to it from the cutterhead, minimizing the chance of plugging. For chopping haylage, the processor is easily bypassed by simply removing one baffle and the drive belt.



AVOID CUTTERHEAD DAMAGE AND HARDWARE DISEASE

If your forage harvester picks up stray metal, you run the risk of expensive cutterhead damage or illness/injury in your herd. The Case IH metal detector in the FHX300 protects your investment, your livestock and your peace of mind. The Case IH metal detector stops the feedrolls within a fraction of a second — before metal can damage the cutterhead, and before it can get into your livestock feed and cause deadly hardware disease.

The front lower feedroll houses a sensor and electromagnet that emits a constant magnetic field between the two stainless steel lower feedrolls. When metal enters the feedrolls, a signal is sent to the solenoid on the reversing gearbox output drive, which stops the feedrolls. It also shuts off power to an electric clutch on the reversing gearbox, which shifts to neutral and stops power to the feedroll drive.

Ask your Case IH dealer to tell you more.



A light and horn alert you when metal is detected. Just use the feedroll control switch to back the material out of the feedrolls. After the metal has been removed, the metal detector resets automatically.



NEW CROP HEADS CAPTURE EVERYTHING YOU GROW

Case IH crop heads provide ground-hugging performance, so you're sure to gather all the crop you grow. All three models match the exceptional capacity of the FHX300, and all are designed for low maintenance, easy hookup and removal.

Model HDX3R 3-row corn head.

This head efficiently gathers corn stalks planted on 28 to 32-in. (711 to 813 mm) row spacing. The points float over ground contours and skid shoes are adjustable to eliminate bulldozing. The gathering chains reach forward to grasp corn stalks before they're cut and feed them smoothly into the feedrolls.

See your Case IH dealer for full details on these highly efficient crop heads.



The Case IH 3-row corn head grabs every stalk you grow, even in lodged crop conditions. The cutting discs shear corn close to the ground and are spring-loaded, allowing them to move out of the way when they encounter an obstacle.

Models HDX10P 76- and HDX20P 92-inch windrow pickups. Both Case IH windrow pickups use closely spaced pickup tines that flex to gather all of your crop. The open end pulls in wide or windblown windrows. The floating auger handles heavy crop conditions and feeds crop smoothly, even in varying conditions. In case of overload, the auger reverses with the feedrolls to easily clear plugs.

Case IH windrow pickups hug the ground to gather all the crop you grow. The heavy-duty gauge wheels handle rough ground and help the pickup rise over swells and into dips without gouging. Two models are available, measuring 76.5 and 92 inches (1.94 and 2.34 m) tine to tine.



CASE IH FHX300 SPECIFICATIONS AND CROPHEADS

FHX300 SPECIFICATIONS

Overall width	10 ft. 8 in. (3.3 m)
Overall length	21 ft. 6 in. (6.5 m)
Overall height, standard spout	11 ft. 2 in. (3.4 m)
Weight, single axle	4700 lbs. (2130 kg)
Available tire sizes, single axle	14Lx16.1 8PR standard
Available tire sizes, tandem axle	11Lx15-15 6PR
Vertical wheel adjustment	6 in. (152 mm) 3 positions
PTO requirements	1000 Rpm
Minimum power requirement	180 PTO hp (134 kW)
Recommended maximum tractor hp	300 PTO hp (224 kW)

FEEDROLLS AND HOUSING

Throat opening	24 $\frac{3}{8}$ x 6 $\frac{3}{8}$ in. (619.76 x 167.6 mm)
Drive	Shafts and chains
Protection	Slip clutch
Length of cut*	$\frac{3}{8}$ to $\frac{7}{8}$ in. (5 to 11 mm)*
Shearbar	Quick adjust, reversible, hard-faced on vertical and horizontal surfaces

* longer lengths of cut can be obtained by removing knives — up to 1 $\frac{3}{8}$ (33 mm) length of cut with only four knives.

CUTTING CYLINDER

Diameter	21 in. (533.4 mm)
Width	25.5 in. (647.7 mm)
Number of Knives	12
Knife Type	Single-edge, hardened alloy
Drive	Shaft and gearbox
Protection	Shear bolt
Speed	850 rpm
Built-in knife sharpener	3 in. (76 mm), manual
Shearbar	Hardened, reversible, quick adjust

BLOWER FAN

Number of blades	4
Width	8 in. (203mm)
Diameter	31.25 in. (794 mm)
Speed	1000 rpm

DISCHARGE

Spout rotation	160°
Spout control	Electric
Spout deflector control	Electric

OPTIONAL CROP PROCESSOR

Construction	Hardened ductile iron rolls, steel shaft
Weight	520 lbs. (231 kg)
Roll width	26 $\frac{7}{8}$ in. (682.6 mm)
Roll diameter	7 $\frac{7}{8}$ in. (200 mm)
Roll gap	$\frac{3}{8}$ to $\frac{5}{8}$ in. (4.8 to 15.9 mm)
Roll speed	2679 rpm upper, 2270 rpm lower

HARVESTING UNITS AVAILABLE

Cornhead, three-row, 28- to 32-in. (711- to 813-mm) row spacing
Windrow pickup, 6 ft. 4.5 in. (1.94 m) tine width, 7 ft. 7 in. (2.31 m) pickup width
Windrow pickup, 7 ft. 8 in. (2.34 m) tine width, 8 ft. 2.5 in. (2.50 m) pickup width

OPTIONAL EQUIPMENT:

Crop Processor
Horizontal and vertical spout extensions
Automatic wagon hitch
Tandem axle
Recutter screens (5 available for non-processor units)

FILL YOUR TALLEST SILOS — FAST

To avoid slowdown at the silo, you need a forage blower that can keep up with your FHX300 forage harvester. The **Case IH Model 600 Forage Blower** is the perfect match. Engineered for high capacity, the Model 600 easily keeps pace with your harvesters and wagons, quickly filling silos up to 100 feet (30.5 m) tall.

A direct-feeding auger is positioned at a 30° angle to the blower to quickly move material from the 37-in. (940 mm) wide hopper. The high-speed 12-in. (305 mm) diameter feed auger smoothly and evenly delivers crop to the blower without bridging or plugging.

The 60-in (1524 mm) diameter blower fan has a paddle tip speed of 8,460 feet per minute (2579 m/min.) to keep material moving at speeds up to 180 tons per hour (163 mt/hr.) for corn silage, 110 tons per hour (100 mt/hr.) for haylage.

You can easily adjust the height of the hopper from 20.5 to 27.5 inches (521 to 699 mm) to match the height of different wagons. The individually adjustable wheels allow you to level the blower at the silo and raise it for transport.

Maximize your productivity with a 600 blower. See one firsthand at your Case IH dealer.





The 12-in. (305 mm) diameter auger is positioned at a 30° angle to the blower, providing smooth transitioning of material from the hopper to the blower. The high-speed auger breaks up crop slugs and eliminates plugging. A water inlet flange allows for proper water placement, which increases blower efficiency by removing the plant juices that gum up the blower and housing.



You can position wagons fast thanks to the wide 37-in. (940 mm) hopper that extends 20 in. (508 mm) past the blower housing. You'll have ample room for maneuvering into position and easy access to speed up your unloading time.

Flexible wind deflectors prevent spillage at the blower — furthering your productivity and reducing valuable crop loss.

600 FORAGE BLOWER SPECIFICATIONS

Capacity*

Corn silage per hour	Up to 180 tons/hour (163 mt./hr.)
Haylage per hour	Up to 110 tons/hour (100 mt./hr.)
Blowing height (haylage)	Over 100 ft. (30 m)

* capacity and height depend upon tractor horsepower, type of crop, moisture content, length of cut and the general maintenance of pipes and spout

Tractor Requirements

PTO hp (kW) minimum	60 (45)
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PTO	540 rpm
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Driveline protection	Shearbolt
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Blower

Housing diameter	60 in. (1524 mm)
Number of paddles	8 adjustable
Paddle tip speed	8,460 ft./min. (2579 m/min)
Drive	Direct PTO

Hopper

Feeder type	Auger
Auger diameter	12 in. (305 mm)
Auger length	50 in. (1270 mm)
Width	37 in. (940 mm)
Rim height	Adjustable from 20.5 to 27.5 in. (521 to 699 mm)

Dimensions

Length	108 in. (2743 mm)
Width	100 in. (2540 mm)
Weight	1,605 lbs. (728 kg)

Tires

Size	4.80-8 "C" load range
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Optional equipment

Pipe clamp, Kwik pipe bundle, Telescoping pipe section, Hinged deflector

Case IH dealers are the standard for expert sales, service and support of the most technologically advanced equipment in the world. They're committed to understanding your business and providing unique solutions to maximize your productivity.

From tractors and windrowers to AFS precision farming technology, Case IH dealers offer a complete agricultural system. Coupled with timely parts and service, and flexible financial solutions



through Case Credit, your dealer provides a total package to ensure you're always performing at your best.

But most important, Case IH dealers offer planning for the long-term growth of your business. By staying at the forefront of agronomic issues and the cutting edge of technology, they help prepare you for tomorrow.

It takes a lot of hard work. But so does farming. So visit your Case IH dealer today. And see what sets us apart.

CASE CREDIT

Uptime. All the time.™

Case Corporation reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice.

SEE YOUR LOCAL CASE IH DEALER

This literature has been published for worldwide circulation. Availability of some models and equipment builds varies according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Case IH dealer/distributor will be able to give you details of the products and their specifications available in your area.

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SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

CASE IH