

New Holland CX8000 Series Super Conventional Combines and Headers



CX8070 CX8080 CX8090



New Holland: World leader in combine design

CX8000 Series Super Conventional combines bring the most extreme high-performance features together.

New Holland CX8000 combines take every part of combine performance to the extreme. CX8000 models deliver more threshing capacity, more separating capacity, more grain tank capacity, the fastest unloading rate and the most comfort on the market. It's easy to see why CX8000 combines are called SUPER conventionals.

Super capacity

The CX8000 threshing and separating system delivers unmatched harvesting capacity in any crop or condition. **The massive 1,829-square-inch (1.18 sq. m) threshing area** and an exclusive rotary separator separate virtually all the grain before it reaches the straw walkers. The

unique New Holland SLS self-leveling cleaning system allows CX8000 combines to operate at full cleaning capacity—even on slopes. **Total cleaning sieve area is an impressive 10,075 square inches (6.5 sq. m)** and features the unusual ability to remain level when the combine's not. This allows grain to spread out and separate naturally on the undivided, full-width grain pan. The result: a super-clean grain sample.

Super-fast unloading

The super capacity of CX8000 combines is matched by super-size grain tanks and a super-fast unloading speed. With a **tank capacity of 330 bushels** on the two largest models, you'll unload

less frequently, and with the awesome **3.2-bushels-per-second unloading rate**, it takes less time to unload.

Super comfort and control

Step into the New Holland **Harvest Suite™ cab** and you'll quickly understand it not only gives you comfort, but also a superior level of control that benefits your bottom line. You get more room, better visibility and precise fingertip adjustments.

Model	MAX HP	SAE HP	Grain Tank Capacity (Bushels)
CX8070	360	322	295
CX8080	390	350	330
CX8090	450	400	330



The first self-propelled European combine harvester (Leon Claeys)

1952



First rotary separator introduced on the 1550 in Europe

1973



Terrain Tracer first lateral tilt header introduced

1985

New Holland introduces the high-capacity Model 995



Self-leveling cleaning shoe released in Europe on the TX30 Series



New for 2008



New Holland CX8000 Combines are backed by 100 years of factory production knowledge and more than 55 years of conventional combine experience.



TX36 introduced to North American market with self-leveling shoe



CX Series Super Conventional Combines: CX840, CX860, CX880 with completely new styling, redesigned threshing and up to 370 hp



CX8000 Series (up to 400 hp) with new Tier III engines, headers up to 45 feet wide, new chopping corn headers up to 12 rows wide and the IntelliView™ Plus II color touch-screen display that incorporates machine control, precision farming and auto-guidance

1991

1994

2001

2005

2007

TX66 and 300-hp TX68 Super Conventional combines introduced with more power and a new modern cab



Introduced the IntelliView™ Plus touch-screen display for precision farming



Smooth, high-efficiency feeding

Terrain Tracer™ and Autofloat™ allow you to harvest every bit of your crop.

New Holland CX8000 combines feature superior head control to ensure you get all of your valuable grain, without hassles and downtime.

Heads float over rough ground

The **Terrain Tracer™ lateral float system** automatically raises the head vertically and tilts the head laterally to follow uneven terrain and get every bit of your crop. The head is attached to a pivoting cradle on the

front of the feeder house and pivots by means of a hydraulic cylinder that you activate electronically from the cab or automatically through the use of sensors on the head. A Resume ("R") button allows you to store frequently used header heights. When used with automatic height control, Terrain Tracer follows the contours of your field and takes the worry out of harvesting low-growing crops on uneven terrain.

The Terrain Tracer automatic system can be manually overridden at any time.

Modes match your needs

Two standard operating modes and one optional mode give you complete control of header height. The status bar on the IntelliView™ II monitor lets you know which mode is in operation.

In compensation mode, the head operates in contact with the ground—ideal when harvesting downed crop or



low-growing crops like peas or beans. You set the ground contact pressure, and the system maintains that pressure by monitoring head hydraulic cylinder pressure.

In stubble height mode, the head operates at a specific height from the ground, which you select. At the headland, you can return the head to the preset height with a single switch pulse.

In Autofloat™ mode, the head-height control sensors monitor header

height, maintaining a pre-selected stubble height and adjusting the head both vertically and laterally in response to changing ground contours.

If the head contacts the ground when you're operating in stubble height or Autofloat mode, the compensation mode will automatically take over, allowing the head to follow the ground to protect the head and cutterbar. After the head clears the ground, it automatically returns to the preset stubble height.

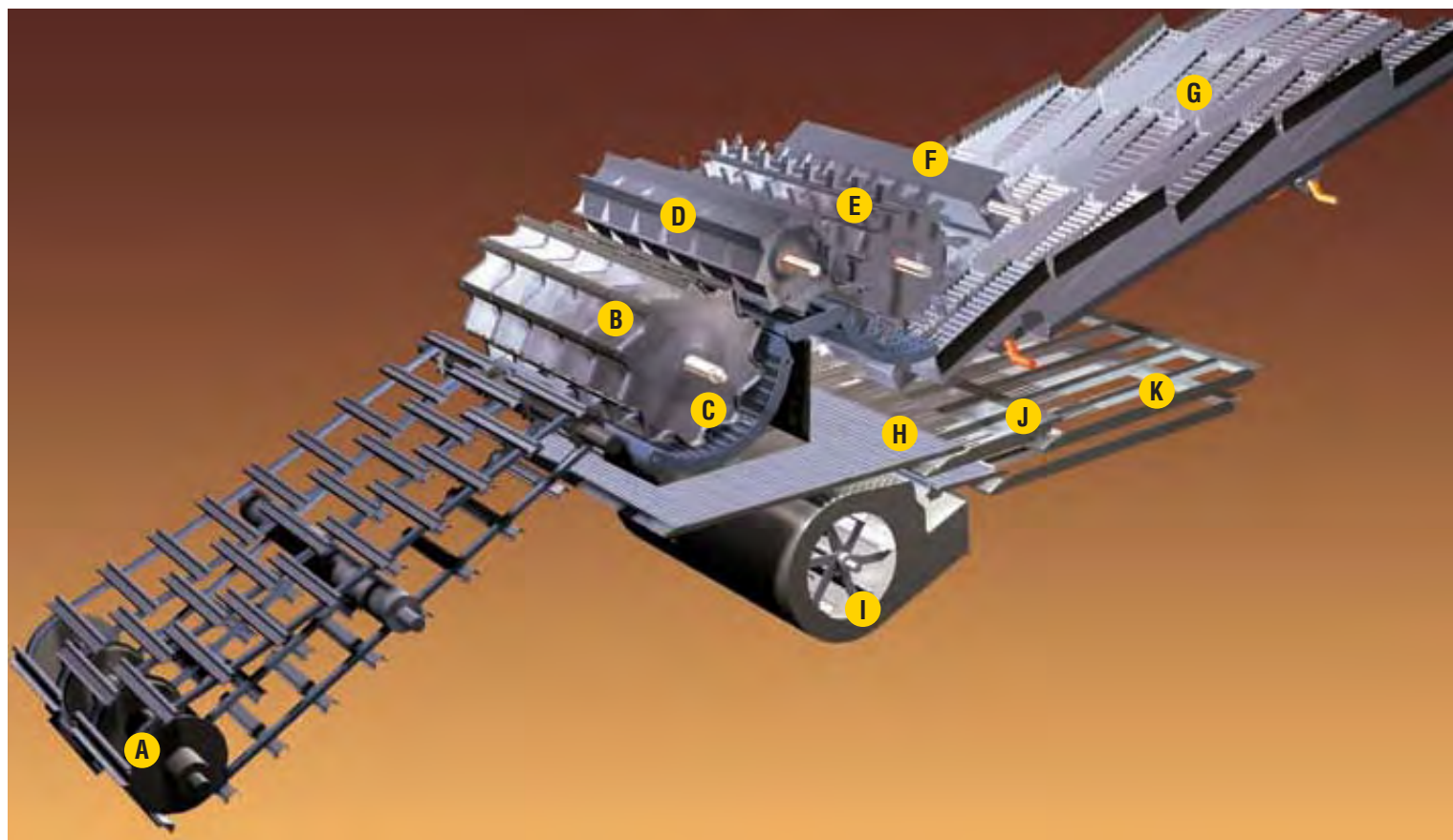


Terrain Tracer™ can be controlled manually with a switch on the hydrostatic lever.



Enormous harvesting capacity

Unique threshing, separating and cleaning systems deliver maximum efficiency.



If we had to choose one word to describe the harvesting capacity of CX8000 Series combines, it would have to be **HUGE!** Large components match this combine's huge appetite.

A) Feeder house

The CX8000 feeder house is wide for smooth intake of heavy crops, and long so you can easily see crop feeding and after-cut from the cab. An adjustable head face plate allows you to adjust the angle for different crops. The large stone trap covers the full width of the feeder house for maximum protection. The best-in-class feeder/header reverser allows you to handle slugs quickly and easily. Unlike other reversers, the New Holland system allows you to inch the feeder both forward and back-

ward, so you can "rock" crop slugs free, and slowly feed them into the threshing area. You don't have to leave your seat.

B) Threshing cylinder

The New Holland **29.5-inch-diameter (750 mm) threshing drum** is the largest-diameter drum in the industry. Using ten rasp bars to feed crop to the concave area, this heavy cylinder acts as a flywheel, generating high inertia to smooth out peak loads. You can adjust drum speed from 305 to 905 rpm from the cab depending on the crop and conditions.

C) Concave

The CX8000 concave surface area is massive. It uses 16 bars and a wrap angle of 111 degrees to provide **1,829**

square inches (1.18 sq. m) of threshing area. You can adjust concave position from the cab.

D) Beater

The CX8000 Series beater uses eight fixed plates. It rotates at the same speed as the threshing cylinder to continue the separation action that started in the cylinder area, then smoothly and quickly transitions material to the rotary separator.

E) Patented rotary separator

Here's what makes the CX8000 Series combine a **SUPER conventional.** New Holland's rotary separator uses a patented paddle system to agitate and slow the straw flow, separating nearly all of the grain before it is delivered to

the straw walkers. Two speeds and two clearance settings allow you to make adjustments to best suit crops and conditions. The upper position provides maximum harvesting capacity in cereals. The lower position provides more gentle threshing in brittle straw and canola.

F) Straw flow beater

The straw flow beater directs material onto the first straw walker step and provides a fluffier straw mat for better grain separation. Clearance to the straw walkers has been increased compared to prior models.

G) Straw walkers

Sharply angled steps provide greater separating action and maximize crop flow to the cleaning system. The tapered bottom design gives even distribution onto the grain pan, which is especially important when working on slopes.

H) Grain pan

The large, 68-inch (1730 mm) grain pan has no dividers. This allows the grain to spread out, stratify and separate easily. The grain pan's oscillating motion lifts and deposits the grain repeatedly, and it actually pre-classifies and levels the layer of grain before it gets to the pre-sieve. The heavier grain moves to the bottom of the mat when it approaches the end of the grain pan, the grain falls through the sieve openings, and the lighter chaff and straw are lifted up by a constant blast of air and blown rearward.

I) Cleaning fan

The patented, full-width New Holland cleaning fan draws air from both sides of the fan casing and from across the top. Unlike competitive smaller fans which just deliver a small amount of high-speed air that's difficult to control, the large-diameter CX8000

fan directs a huge volume of air continuously to the sieves for ultra-efficient cleaning. The constant air blast carries the chaff or cobs toward the rear, while the heavier grain falls through the pre-cleaning sieve. A second outlet directs a separate air blast to the pre-cleaning sieve independently of the main sieve air flow. You control fan speed from the cab, where the speed is reported on the IntelliView™ display.

J) Pre-cleaning sieve

After grain falls from the grain pan, the adjustable pre-cleaning sieve immediately separates a quantity of grain and directs it to the bottom sieve. The grain pan, pre-sieve and top sieve move in opposite reciprocating motion from the lower shoe and sieve assembly, which helps eliminate vibration. A lever

at the rear of the combine allows for easy adjustment.

K) Top and bottom sieves

The top and bottom sieves of the New Holland cleaning system are fully adjustable and provide a **massive cleaning area of 10,075 square inches (6.5 sq. m)**. Remote sieve adjustment is standard equipment, so you can make adjustments from the cab or by using rocker switches at the rear of the machine. Sieve settings are reported on the IntelliView II display. The grain pan and top sieve on CX8000 combines move together with a long stroke while the bottom sieve moves in the opposite direction with a shorter stroke. This action results in increased capacity, low grain loss and a smooth, vibration-free cleaning action.

The SLS Self-Leveling Cleaning System delivers an ultra-clean sample on flat land and on hills.

The unique SLS self-leveling cleaning system provides a more natural, efficient and thorough way to clean grain. The entire cleaning system, including the fan, grain pan and sieves, is kept level, even on slopes up to 17%. An inclinometer mounted on the combine main frame constantly monitors the horizontal attitude of the combine and adjusts the position of the cleaning system automatically. Grain spreads out on the undivided, full-width grain pan, separating and stratifying naturally. The self-leveling system boosts capacity on flat ground, and maintains that capacity on hillsides, corners and terraces.



Superior grain and residue handling

Large grain tanks and fast unloading save you time.

Since CX8000 Series combines are some of the biggest and fastest combines on the market, it's only natural that they would offer the biggest grain tanks and fastest unloading speeds. New Holland CX8000 combines give you complete and effortless control of grain storage, grain unloading and residue management.

Immense grain tanks

CX8000 Series grain tanks are the largest in the industry—**295 bushels** for the CX8070 and **330 bushels** for the CX8080 and CX8090. These huge grain tanks are positioned directly above the traction wheels for ideal weight distribution, maximum traction and machine stability. Grain tank covers are optional and can be raised and lowered by con-

trols from the cab. To sample grain in the tank, an access door is provided on the front of the grain tank beside the cab door. A very large rear cab window allows for a panoramic view of the grain tank sample.

Two adjustable sensors are mounted in the grain tank to keep you informed of grain level. When grain reaches the first sensor, the grain tank is 75% full. You are alerted in the cab with an alarm and blinking light, while orange rotating beacons on the cab roof alert your grain cart operator. At 100% capacity, the in-cab light glows continuously and a second alarm sounds.

Unload at 3.2 bushels per second

The CX8000 unloading auger system can be described as phenomenal.

This overhead-style unloading auger empties the grain tank at a **3.2 bushels per second unload rate**. That's the fastest unloading speed of any conventional combine—twice as fast as many other combines. You extend the unloading tube hydraulically with the push of a button. Choose a **21- or 24-foot unloading auger** to accommodate heads up to 45 feet wide.

Complete residue management

The New Holland residue management system allows you to control both chaff and straw with the flip of a lever. The New Holland straw chopper uses dual, reversible, serrated knives to deliver a fine cut length and a chop quality that's the best



in the industry. You can control the dividers on the spread hood manually or with an optional in-cab control. To windrow the straw, simply flip the lever and straw passes over the chopper and falls to the ground in a loose windrow. The CX8000 system offers you the ability to windrow straw and **spread chaff with the optional chaff spreader or allow the chaff to be blown into the straw chopper and spread together with the chopped straw.**



Ample grain tank storage—330 bushels for the CX8080 and CX8090, and 295 bushels for the CX8070—means you can operate longer between unloading.



The straw chopper is designed for high-volume windrowing and allows you to control chaff and straw independently. You can drop or spread chaff and either windrow straw or chop and spread it.



New Holland's straw chopper delivers superior chop quality. You adjust the right-hand and left-hand spread with a single lever or add the optional in-cab adjustment.



A double returns system delivers any unthreshed grain to two sets of spike-tooth roto-threshers. Here, the grain is vigorously threshed and delivered to the grain pan—not the threshing drum—so the capacity of the main threshing area is not reduced and grain quality is maintained. The IntelliView™ II display keeps you informed of the returns volume status.

The productive Harvest Suite™ cab

Roomy CX8000 cab puts you at ease and in control.

The key to staying your productive best all harvest long is to spend it in a spacious, efficient cab. The CX8000 operating station goes above and beyond what you'll find in typical combines. In fact it's so roomy, we call it the **Harvest Suite™ cab**.

More room and comfort

There's **110 cubic feet** of room in the Harvest Suite cab. And, we're talking usable room in all directions. You can stretch out, get comfortable and bring whatever you need because there's plenty of space to stow it. There's storage room below the armrest, below both seats and in a large area behind the operator's seat for storage. On the back wall of the cab is a wide grain tank inspection window so you can easily inspect grain

sample quality and grain tank level. The window can be opened for easy cleaning.

The comfort continues with a deluxe plush, adjustable air suspension seat and three-point position adjustable steering wheel. Twelve adjustable air vents provide you with the perfect distribution of heat or air conditioning. **Automatic Temperature Control (ATC)** automatically cools and warms to keep the cab temperature just right for you.

A better view—day or night

CX8000 combines provide you with unprecedented visibility of your harvest thanks to a huge, curved, tinted windshield and over **62.3 square feet** of glass. The longer feeder house allows you to easily see the header and after-cut with-



out constantly moving your head from side to side. Fourteen worklights give you **360-degree lighting**, so your view after dark is excellent to allow you to stay productive. Cab roof extensions on each side house up to six stadium worklights and provide support for the two standard and two additional optional mirrors. Eight more lights are mounted on the straw chopper, on the underside of the cab, and on the side of the combine, as well as two side "row-finder" lights and one optional center row-finder light.

Controls at your fingertips

All the controls you need for a successful harvest are conveniently located in the comfortable armrest console to your right. It includes an easy-grip, in-line multifunction handle and convenient toggle switches that provide

IntelliView™ Plus II



You can place the IntelliView™ II (below) or IntelliView™ Plus II display (above) in the perfect position for you using an infinitely adjustable mounting arm, and you can customize what is displayed on the screen.

IntelliView™ II



This adjustable-position, multifunction handle gives you inline control of the combine's hydrostatic drive, as well as controls for head height, head tilt, reel speed, reel position, unloading auger engagement and swing.



The long feeder and huge, curved windshield provide outstanding visibility to the cutterbar and after-cut to take the strain out of operation.



fingertip control of all cutting, feeding, threshing, separating and cleaning system operations. Choose from two speeds when raising or lowering the head—slow for head hookup and fast when you need to react quickly. New Holland



The right-hand armrest control console is the picture of efficiency, providing you with fingertip access to all cutting, feeding, threshing, separating and cleaning system controls using a natural motion of your arm.

gives you the choice. The armrest console glides forward or back to your liking, then the console “floats” along with the air-ride seat so controls are at the right position for you.

Even after a long, 12- to 16-hour harvest day, these controls make CX8000 combines easy to operate. Many functions are programmable, including **Automatic Crop Settings (ACS)** that make it easy to move quickly from one crop to another. And, the electronic four-speed transmission is simple to use. Simply turn a dial to the speed you want. There are no awkward levers to deal with.

Additional controls are placed above you, including switches for the windshield wiper/washer, temperature control, worklights, optional grain tank

covers and the optional heated, adjustable mirrors. Also above you and to the right are controls for the radio.

Information at a glance

The new IntelliView II color display is standard equipment, and provides customized performance information on the 7-inch screen. The user-friendly display allows you to monitor rotor speed, header height, engine rpm, percent of engine load, sieve performance, grain loss, returns, the self-leveling cleaning system and so much more.

The optional, fully portable IntelliView Plus II color display features touch-screen navigation and a 10.4-inch diagonal screen. This display can be used with yield logging, yield mapping and IntelliSteer™ auto guidance.

Precision Land Management



Integrated New Holland systems help increase yields.

Precision farming is integrated into the design of CX8000 combines to provide you with information to maximize crop and equipment performance. New Holland Precision Land Management equipment can be either factory- or field-installed. Choose from:

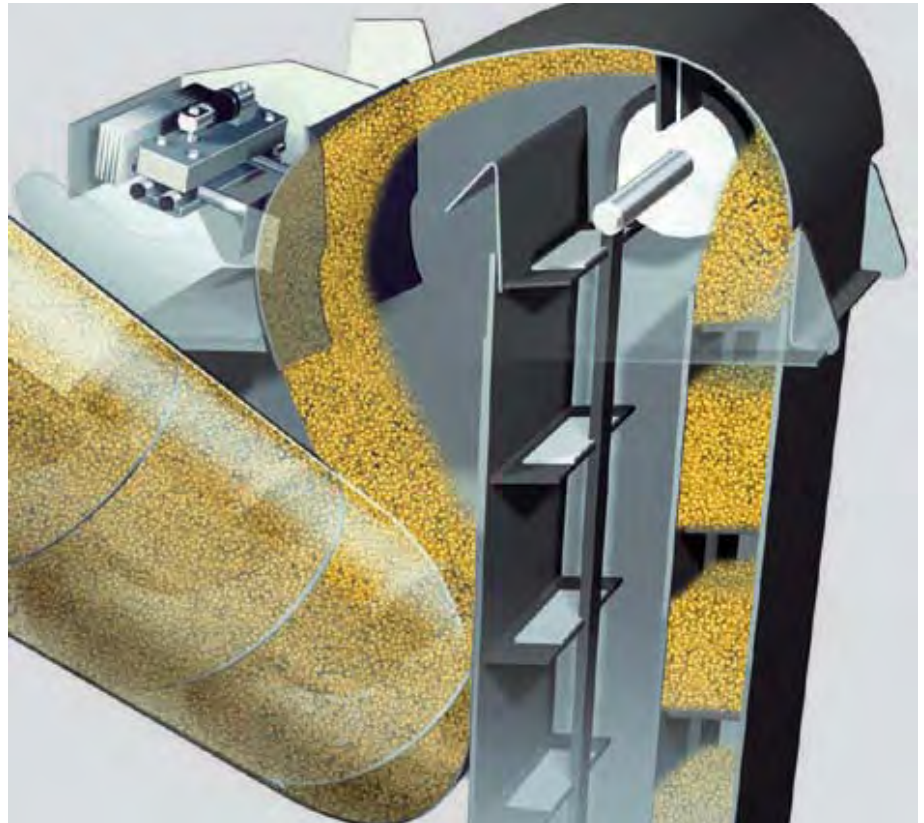
- A yield and moisture monitor for on-the-go yield and moisture readings with data logging.*
- Yield and moisture monitor with a GPS receiver to set you up with on-screen yield mapping with data logging.**



- Add the full package that includes the IntelliView™ Plus II color touch screen display, NH252 DGPS (Differential Global Positioning System) with IntelliSteer™ auto guidance.



The NH 252 GPS receiver is a versatile, portable antenna that mounts on the cab roof and receives satellite and land-based DGPS signals to report the precise geographic location as you harvest.



The patented New Holland grain mass flow sensor delivers high-accuracy readings regardless of the crop and does not require re-calibration between crops.***

Yield measurements with less calibration

New Holland's exclusive, patented yield sensor design allows accuracy with one-crop, one-load calibration. The grain flow sensor measures all the grain continuously for more accurate yield measurements. A balance weight is used to cancel the effects of variances in grain moisture and machine movement. The sensor plate is mounted in the top of the grain elevator and incorporates a pivoting device and counterweight. This design keeps the system balanced when working on slopes and reduces the friction effect of various grain moistures and densi-

ties to ensure a precise measurement. Unlike other yield measurement systems, there's no need to re-calibrate when you change crops.*** The New Holland system requires calibration only once per season in one crop.**** The yield map can be displayed on the IntelliView Plus II display as you harvest.

Map it, analyze it and print it

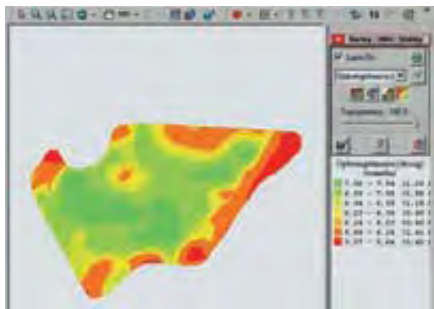
CX8000 combines equipped with the New Holland DGPS system allow you to use the valuable field data you collect with the yield and moisture sensors to prepare yield maps and better understand yield variations. Yield and moisture readings

* Information is displayed on the standard IntelliView™ II display or optional IntelliView™ Plus II display.

** System uses the IntelliView Plus II display.

*** Requires one-load calibration per crop types with significant yield variation.

**** Improved accuracy is obtainable depending on harvest conditions and machine set-up.



are stored on a data card, which you can download into a personal computer. Using New Holland Precision Land Management's mapping software, the data can be viewed and thoroughly analyzed. New Holland Precision Land Management's desktop software allows for mapping and data conversion from the yield monitor system and is capable of reading and processing yield data from many competitive-brand systems. An optional in-cab printer allows operators to print yield data.

Multiple signal capability

The new, fully portable NH252 receiver/antenna receives signals from the differential source of your choice. This versatility allows the antenna to suit a variety of applications and allows you to upgrade the accuracy of your system in the future without changing receivers. You choose the accuracy that meets your needs:

WAAS:

- Differential correction signal provided by free WAAS Service
- +/- 6 to 8 inch pass-to-pass
- +/- 3 feet year-to-year repeatable

OmniSTAR™ VBS (Virtual Base Station):

- Differential correction signal provided by OmniSTAR subscription
- +/- 6 to 8 inch pass-to-pass
- +/- 3 feet year-to-year repeatable

OmniSTAR XP:

- Differential correction signal provided by OmniSTAR subscription
- +/- 3 to 5 inch pass-to-pass
- +/- 8 inch year-to-year repeatable

OmniSTAR HP (High Performance):

- Differential correction signal provided by OmniSTAR subscription
- +/- 2 to 4 inch pass-to-pass
- +/- 4 inch year-to-year repeatable

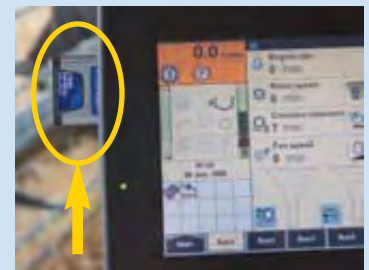
RTK (Real Time Kinematics):

- Differential correction signal provided by RTK base station. (RTK requires software upgrade to the receiver and the addition of a radio receiver.)
- +/- 1 inch pass-to-pass
- +/- 1 inch year-to-year repeatable

NOTE: WAAS covers USA and parts of Canada. VBS, XP and HP available worldwide. Consult www.omnistar.com for coverage and availability. OmniSTAR is a trademark of OmniSTAR Inc.

IntelliSteer™ auto-guidance

CX8000 combines can be fully equipped with the IntelliSteer™ auto-guidance system from the factory. The optional New Holland IntelliSteer auto-guidance ready option installs all of the components except the navigation controller and the GPS receiver. This allows you to transfer components from another IntelliSteer machine to your combine. The system is an integral part of the combine's steering system and uses global positioning technology to keep you on the row and harvesting at maximum efficiency. This allows you to concentrate on other aspects of the harvest and leaves you less fatigued at the end of the day.



Data is collected and stored on a 128mb flash card.

VEHICLE TRANSFERABLE COMPONENTS (A, B, C, and D)



(A) NH252 (D)GPS Antenna/Receiver

(B) NH252 RTK 900 radio

(C) IntelliView™ Plus II

(D) Navigation Controller II

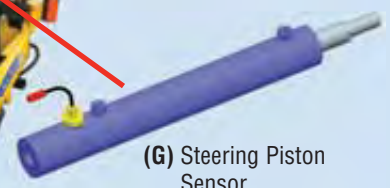
VEHICLE NON-TRANSFERABLE COMPONENTS (E, F, and G)



(E) Steering Over-ride Sensor



(F) Hydraulic Steering Manifold and Hoses



(G) Steering Piston Sensor

Responsive, fuel-efficient power

Electronically controlled engines save fuel and are biodiesel approved.

CX8000 Series combines use **New Holland Cursor** six-cylinder engines to deliver the power, fuel efficiency and easy maintenance you demand. Electronic fuel governing systems maximize fuel economy and give you quick response and extra power when you need it. These powerplants are EPA-certified for Tier III "green engine" emission compliance

to assure cleaner air quality and a reduction of NOx and HC emissions.

Ready to use 100% biodiesel

All CX8000 Series combines are approved for use with B100 biodiesel, as well as lower percentage biodiesel blends. By using clean-burning, environmentally friendly, alternative fuel sources like biodiesel, you contribute to cleaner air, reduced oil imports and

increased demand for soybeans and other farm products used to produce biodiesel.

Power rise

New Holland Cursor engines respond with a **large power rise up to 50 hp** to maintain full capacity at all times so you can get through difficult harvesting conditions without losing threshing speed.



**Approved
for use
with B100**



Convenient engine access

CX8000 Series combines are also easy to service. A convenient, fold-down ladder provides quick access to the large, rear service deck where you can conveniently access engine service points, the fuel tank and the grain tank. The large 265-gallon fuel tank (200 gallon on the CX8070) allows for up to 16 hours of continuous operation.



“Gull-wing” side shields provide complete service access.

Large, easy-open side shields

Full-length, “gull-wing” side shields glide open on gas struts to provide you with quick and easy access for routine maintenance. Service platforms and steps provide a secure, easy way to reach all service areas. Two large access

panels and the stone trapdoor provide unrivaled access to the threshing drum and concave. The feeder house has a large access door on top, and the complete feeder house can easily be removed from the base unit for full access to the threshing drum.



Model	Engine	Displacement	MAX HP	SAE HP	Power Rise
CX8070	New Holland Cursor 9	9.0 L	360	322	38 hp
CX8080	New Holland Cursor 9	9.0 L	390	350	40 hp
CX8090	New Holland Cursor 10	10.3 L	450	400	50 hp



The CX8000 rotary air cleaner swings open for easy access to the radiator and hydraulic oil cooler



With the engine cover panel open and raised, the entire engine area is readily accessible.

High-performance quick-attach heads

Time-proven heads save time and take CX Combine capacity to an even higher level.

New Holland offers a wide selection of high-capacity heads that handle crop gently and quickly, then deliver it smoothly and evenly to the feeder house to increase the capacity of CX8000 combines.

One-stop head latching

You never waste time with a CX8000 Series combine—not even when you're connecting, disconnecting or changing heads. An easy, one-lever latching system on the left side of the feeder house operates both left and right latches simultaneously to provide safe, secure, fast head connection.

The face plate angle adjusts to allow you to change the angle of your header for maximum feeding efficiency in any crop condition.

A hydraulic multi-coupler provides one-step quick connect and disconnect for all header functions, and a single-location electrical hookup makes connecting the wiring harness easy, too.



This hydraulic multi-coupler engages all hydraulic lines with one, over-center latch. It eliminates the need to hook up each header hydraulic circuit one at a time. It's a system that's quick, convenient and far less messy.

Both the hydraulic and electrical hookup are conveniently located in the same area as the head-latching system.

Automatic head recognition informs

the combine which head is installed to further simplify head changes. This eliminates the need to calibrate the header every time the header is changed.

Head Model	Head Type	CX8000 Combine Compatibility		
		CX8070	CX8080	CX8090
72C	Direct-Cut Rigid Cutterbar Auger	25', 30'	25', 30'	25', 30'
74C	Direct-Cut Flex Cutterbar Auger	20', 25', 30', 35'	20', 25', 30', 35'	20', 25', 30', 35'
76C	Windrow Pickup	12'* , 14', 16'	12'* , 14', 16'	12'* , 14', 16'
88C	Floating Cutterbar Draper	30', 36'	30', 36', 42'	30', 36', 42', 45'
92C	Rice & Soybean Draper	25'–30'	25'–30'	25'–30'
94C	Grain Draper	25', 30', 36'	25', 30', 36', 40'	25', 30', 36', 40', 42'
98C	Corn	20" row spacing	12-row	12-row
		22" row spacing	12-row	12-row
		30" row spacing	6-row, 8-row	6-row, 8-row, 12-row
		36/38" row spacing	6-row, 8-row	6-row, 8-row
99C	Chopping Corn Head	30" row spacing	6-row	6-row
			6-row, 8-row, 8-row folding, 12-row	6-row, 8-row, 8-row folding, 12-row

* The 12-foot 76C is a grass seed configuration



Smooth feeding headers

These heads take CX8000 capacity to a new level.

New Holland's high-capacity direct-cut heads cut crop cleanly and quickly, then deliver it smoothly and evenly to the feeder house to increase the capacity of the entire combine.

72C Rigid Cutterbar Auger Heads and 74C Flexible Cutterbar Auger Heads

Both 72C and 74C heads feature an impressive knife speed of up to 1150 cuts per minute that lets you harvest effectively at higher ground speeds. A large 42-inch-diameter reel lifts lodged crop. The reel is fully adjustable. A single lever on the right-hand side of the head allows you to adjust reel finger angle for different crops. Hydraulic fore and aft reel adjustment from the cab allows for precise feeding in different conditions. Also, you can maintain a preset ratio between reel speed and ground speed automatically. Simply set the desired speed relationship and the onboard microprocessor adjusts the reel speed whenever ground speed changes, resulting in consistent feeding, better efficiency and less stress on you!

The 26-inch-diameter, full-floating auger with deep flights provides fast, smooth feeding even in the heaviest crop. Full-width retracting fingers between each auger flight move crop down and under the auger for smooth, continuous feeding. The auger can be adjusted fore, aft, up or down.

The 74C flexible cutterbar provides up to 4.5 inches of flex to closely follow the ground contour and pick up downed or low-growing crops. And, with the 74C flexhead, the New Holland **Terrain Tracer™** header flotation system is **standard equipment**.



76C Windrow Pickup Heads

The New Holland 76C windrow pickup head is available in 14- and 16-foot widths, or a 12-foot grass seed special, in SwathMaster™ and Rake-Up™ designs. All 76C heads match the large capacity of CX8000 combines when harvesting cereal grains, beans, peas, lentils, canola or grass seed.

Standard automatic head height control maintains optimal windrow feed angle for maximum productivity

The Rake-Up design pickup features a front and rear windguard with hydraulic adjustment on the front windguard. The Rake-Up heads are designed for use with all small grains and specialty crops including canola and grass seed. They handle crop more gently by utilizing a sideways sweeping action to deliver crop onto a slatted transfer belt. The sideways raking action of the tines, along with a slower pickup speed and a steeper entry angle reduce stone pickup and potential



stone damage. The more positive pickup of this design helps these windrow pickups excel in difficult harvest conditions like short, rained down or sprouted crop.

SwathMaster belt pickups use four individual rollers, a pickup belt that gently lifts crop into the header and a draper belt that carries it to the auger and into the feeding area.

A mechanical-adjust rear windguard is standard with a hydraulic-adjust front windguard available.

- With rear windguard, mechanical adjustment
- With front and rear windguard, hydraulic adjustment on the front windguard

88C Floating Cutterbar Draper Heads

The 88C floating cutterbar draper head gives you the flexibility to harvest with either a flexible or rigid cutterbar on headers up to 45 feet wide.

Adjustable flotation

Air bag suspension located at the rear of the cutterhead allows you to achieve +/- 3 inches of flotation. Air pressure can be adjusted for optimum float. In the full-float position, you can harvest specialty crops that are low to the ground.

Or, you can lock out the flotation for a rigid cutterbar to harvest cereal crops.

Smooth hydraulic drive

The 88C features smooth, 1400-stroke-per-minute double-knife drive with a 90-inch feed auger and an 84-inch feeder. A hydraulic trapdoor allows you to

dump debris in front of the center deck after reversing the header.

The header can be hydraulically tilted to change the knife guard angle from the cab. With the Terrain Tracer option, the cutterbar can shave the ground to recover your crop.

Fast transport

Different transport trailer options allow easy and fast transport of these mammoth, crop-hungry headers.



Designed for high capacity

Draper and corn headers maximize CX8000 performance.

92C Rice Draper Belt Heads

The 92C is a high-capacity, two-deck, center-mounted head that features a single-feed belt, a wear-resistant stainless steel lining, large-diameter full-floating feed auger, and extra-long retractable feed fingers. The 92C is available in cutting widths of 25 and 30 ft. The 30 ft. version features a double knife drive.

High-capacity performance in tough, abrasive conditions

The 92C delivers outstanding performance in rice using high-torque hydraulic motors at both ends of the six-tine bar reel. A stainless steel plate under the feed auger allows the 92C to withstand abrasive conditions. Heavy-duty UMHV



poly skid plates provide for on-ground soybean harvest as well as protection in

banks and sink holes. Levee shields are fitted standard equipment.



94C Grain Draper Belt Heads

The 94C grain belt header uses two draper belts to feed the crop to an extra-wide center belt. The 94C center-feed design provides smooth, even feeding. A self-contained hydraulic system supplies smooth, reliable power to both the draper belts and the knife drive without the use of V-belts, pulleys and chains.

Perfect for cereals, grains and specialty crops

The 42-inch-wide draper belts are

perfect for working in cereals, grains and specialty crops. Belt speed is adjusted by flow control and flow divider valves on the head. For increased feeding capacity, the center deck is located directly in line with the feeder auger— not under it. With this design, the cut crop has no chance to tangle or twist as it enters the auger, even in the toughest of harvesting conditions.

The leaf spring float system delivers lateral and vertical movement for ground-hugging flotation in uneven ter-

rain. A simple turnbuckle or optional hydraulic cylinder allows for fast, easy adjustment of the knife angle and belt performance to maximize harvesting efficiency. And, an optional reel fore and aft adjustment kit provides increased crop harvesting versatility.

Optional Terrain Tracer™ automatic header height control and lateral float keeps the center feed deck in the optimum position with the combine feeder at all times for maximum feeding efficiency.

98C Corn Heads

The 98C corn head helps make your harvest go faster. The low-profile divider snouts get under downed corn and pick it up better than other corn heads, while the slippery polyethylene surface of the shields, fenders and points allow for fast, smooth feeding so you can harvest at faster ground speeds. The color-impregnated polyethylene also absorbs impact, never rusts and never needs painted. The shields on the 98C flip up and out of the way for complete service access and easy transport.

Durable construction and efficient design

These heads specialize in taking in less trash for more harvesting capacity. The Model 98C features heavy-duty cast iron row unit gearboxes to drive and support the stalk rolls. The heat-treated, large-diameter stalk rolls allow for a high knife tip speed, and their straight-fluted design



provides more aggressive feeding than a tapered stalk roll. Their unique two-piece cantilevered design reduces replacement costs and improves servicing.

Standard hydraulic stripper plates can be adjusted from the cab for improved performance in varying crop conditions. Optional sharpened knife stalk rolls finely chop corn stalk residue for a one-pass harvest operation. Terrain Tracer automatic head height control and lateral float

allows you to get those low hanging ears even with the widest heads. A standard two-speed auger drive reduces ear loss.

These additional features provide long dependable service

- Gear-case-driven row units.
- Oil-bath row unit chain drive.
- Gathering chains with chrome pins.
- Individual row-unit slip clutches.

99C Chopping Corn Heads

The 99C chopping corn header features two chopping knives for each row unit for optimum chopping and distribution of crop residue—ideal for **no-till or minimum-till farming**. High-quality, self-tensioning gathering chains smoothly feed the stalks between the deck plates and towards the stalk rolls. Pinching-style stalk rolls use four knives each to efficiently pull down stalks for sustained high capacity. Cornstalks are chopped into consistently small segments at both fast or slow ground speeds.

Smooth flow, easy service

Durable, low-profile polyethylene dividers promote smooth crop flow and reduce ear bounce at faster field speeds. The color-impregnated polyethylene construction reduces dent damage, eliminates rust, and reduces overall header weight. Gas struts on the dividers allow for easy checking and servicing of the row units. Independent gear boxes on



each row unit allow you to quickly **disengage** the chopper on individual row units when they are not required to save power and reduce wear.

Excellent flotation

The standard Terrain Tracer system allows the header to float vertically and laterally as needed to automatically follow ground contours. Hydraulic-adjust stripper plates can be adjusted from the cab to set the correct clearance in every



condition. Optional rotary dividers are available for both left- and right-hand sides, to guide stalks into the header in heavy or fallen crop conditions.

Narrow transport

The eight-row folding model reduces the time needed to change from field position to road transport. Simply fold the outer rows to put the head into the narrow **10.8-foot transport** width without leaving the combine seat.

Specifications

CX8000 Series Super Conventional Combine Specifications

MODEL	CX8070	CX8080	CX8090
Engine	4-stroke, 6-cylinder New Holland turbo diesel		
Displacement, cu. in. (L)	549 (9.0)	549 (9.0)	629 (10.3)
SAE hp at 2100 rpm (kW)	322 (240)	350 (261)	400 (298)
Fuel tank capacity, U.S. gal. (L)	200 (750)	265 (1000)	265 (1000)
Grain tank capacity, bu. (L)	290 (10,220)	330 (11,630)	330 (11,630)
Transmissions	Hydrostatic drive, 4-speed gearbox		
Harvest Suite™ cab			
Glass area, sq. ft. (m²)	62.3 (5.8)	62.3 (5.8)	62.3 (5.8)
Cab volume, cu. ft. (m³)	110 (3.12)	110 (3.12)	110 (3.12)
Feeder house			
Width, in. (m)	62 (1.58)	62 (1.58)	62 (1.58)
Number of chains	4	4	4
Hydraulic feeder/reverser	Standard	Standard	Standard
Threshing cylinder	Std. Cylinder (Pressed Steel Spiders) or Opt. Universal Cylinder (Cast Spiders)		
Diameter, in. (mm)	29.5 (750)	29.5 (750)	29.5 (750)
Width, in. (m)	62 (1.58)	62 (1.58)	62 (1.58)
Number of bars	10	10	10
Speed range	305–905 rpm	305–905 rpm	305–905 rpm
Concave			
Number of bars	16	16	16
Angle of wrap	111°	111°	111°
Width, in. (m)	62 (1.58)	62 (1.58)	62 (1.58)
Area, sq. in. (m²)	1829 (1.18)	1829 (1.18)	1829 (1.18)
Adjustment from cab	12 electrical settings		
De-awning plates	Two, fitted to concave, individual adjustment		
Beater			
Drum-type	8 blades	8 blades	8 blades
Speed	1:1 of threshing cylinder, 305 to 905 rpm		
Diameter, in. (mm)	18.75 (475)	18.75 (475)	18.75 (475)
Beater concave area, sq. in. (m²)	450 (.29) Concave adjustable to two positions		
Rotary separator			
Width, in. (m)	62 (1.58)	62 (1.58)	62 (1.58)
Diameter, in. (mm)	28 (720)	28 (720)	28 (720)
Number of paddle bars	12 paddle bars	12 paddle bars	12 paddle bars
Speed	323/630 rpm Quick speed change without tools		
Concave area, sq. in. (m²)	1441 (.93) Concave adjustable to two positions		
Straw flow beater			
Diameter, in. (mm)	12.5 (315)	12.5 (315)	12.5 (315)
Number of blades	4	4	4
Speed	1144 rpm	1144 rpm	1144 rpm
Straw walkers			
Number	6	6	6
Length, in. (m)	144.5 (3.67)	144.5 (3.67)	144.5 (3.67)
Total straw walker area, sq. in. (m²)	9192 (5.93)	9192 (5.93)	9192 (5.93)
Shaft speed	215 rpm	215 rpm	215 rpm
Total separating area, sq. in. (m²)	11,082 (7.15)	11,082 (7.15)	11,082 (7.15)

MODEL	CX8070	CX8080	CX8090
Cleaning systemSelf-leveling cleaning shoe w/ automatic leveling on slopes up to 17%.....			
Grain pan with no dividers – length, in. (mm)	68 (1730)	68 (1730)	68 (1730)
Area, sq. in. (m²)	4236 (2.73)	4236 (2.73)	4236 (2.73)
Pre-cleaning sieve area, sq. in. (m²)	2207 (1.42)	2207 (1.42)	2207 (1.42)
Top sieve area, sq. in. (m²)	3540 (2.28)	3540 (2.28)	3540 (2.28)
Lower sieve area, sq. in. (m²)	3540 (2.28)	3540 (2.28)	3540 (2.28)
Extensions (Rake, Fingers, etc.), sq. in. (m²)	788 (.51)	788 (.51)	788 (.51)
Total cleaning sieve area under wind control, sq. in. (m²)	10,075 (6.5)	10,075 (6.5)	10,075 (6.5)
Cleaning fan			
Number of blades	6	6	6
Speed rangeVariable from 475 to 900 rpm, electrical adjustment from cab		
Unloading augerOver-the-top turret style with 105° positioning.....			
Unloading speed, bu/sec (L/sec)	3.2 (112)	3.2 (112)	3.2 (112)
Unloading auger discharge length, ft. (m)21 (6.4) Std. or 24 (7.3) Opt.		
Dimensions			
Maximum height (w/ 900/60 R32 drive tires/whls), ft. (m)	13 (3.96)	13 (3.96)	13 (3.96)
Maximum width (w/ 900/60 R32 dished out), ft. (m)	14.42 (4.395)	14.42 (4.395)	14.42 (4.395)
(w/ 900/60 R32 dished in), ft. (m)	13 (3.96)	13 (3.96)	13 (3.96)
Maximum length (w/ feeder totally raised) (to end of straw chopper deflectors), ft. (m)	29.7 (9.05)	29.7 (9.05)	29.7 (9.05)
(to end of unloading tube), ft. (m)	32.7 (9.97)	32.7 (9.97)	32.7 (9.97)
Weight			
Standard version without header, lb. (kg)	33,950* (15,400)	34,171* (15,500)	34,832* (15,800)

*Varies significantly with machine configurations



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