

# New Holland CR9000 Series Twin Rotor<sup>®</sup> Combines and Headers



CR9040 CR9060 CR9070

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# New Holland: World leader in rotary combine design

## NEW CR9000 Twin Rotor® combines lead the way in harvesting capacity and grain quality.

### 30 years of rotary experience

NEW CR9000 Twin Rotor® combines are the result of **over 30 years** of rotor technology and field experience. Year after year, the impressive grain quality and harvesting capacity of New Holland combines confirms the proven effectiveness of the Twin Rotor® design. New Holland's two rotors deliver **36% to 40% higher centrifugal force** than any other rotary design for faster threshing and separating, higher grain quality and maximum capacity.

### More efficient—from the tip of the head until grain's in the bin

New Holland's huge and unique **standard self-leveling cleaning system** and gentle grain handling systems

compound the incredible Twin Rotor® capacity. Powerful, electronically managed engines provide a power boost when needed to maintain full capacity at all times—even when unloading on the go. Add the comfort and efficiency of the best-in-class **Harvest Suite™ cab** with a choice of state-of-the-art Intelliview™ II displays, and it's easy to see how CR9000 productivity will boost your bottom line.

### Made with pride in Grand Island, Nebraska

Another important reason to rely on CR9000 combines: they're built and thoroughly tested for quality by the skilled workers at New Holland's Grand Island plant. Every phase of the design and construction of these new combines is undertaken with your harvesting efficiency in mind.

Model	Maximum HP	SAE Rated HP	Grain Tank Capacity (Bushels)	Class
CR9040	372	322	315	6
CR9060	410	360	315	7
CR9070	450	400	350	8



1964 to 1974 New Holland conventional combines



New Holland introduces the first rotary combine: the Twin Rotor TR70 (145 to 168 hp)



Self-leveling cleaning shoe released in Europe



Terrain Tracer lateral tilt header introduced

<b>1964</b>	<b>1974</b>	<b>1975</b>	<b>1979</b>	<b>1983</b>	<b>1984</b>	<b>1985</b>
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Twin Rotor design ready for the market



**2nd Generation**  
Twin Rotor combines: the TR®75, TR®85, TR®95 (155 to 225 hp)



**3rd Generation**  
Twin Rotor combines: TR®76, TR®86, TR®96 with larger cab, better visibility and new S³ rotor configuration



**New for  
2008**



**5th Generation** Twin Rotor combines: the TR<sup>®</sup>88, TR<sup>®</sup>98 with increased horsepower, simplified controls

**7th Generation** Twin Rotor combines: the CR920, CR940, CR960, CR970 with completely new styling, longer rotor, larger cab and the first self-leveling cleaning system on a rotary combine with models up to 370 hp

Increased-capacity cleaning system with models up to 400 hp

1993	1997	1999	2002	2005	2006	2007
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**4th Generation** Twin Rotor combines: the TR<sup>®</sup>87, TR<sup>®</sup>97 with more power

**6th Generation** Twin Rotor combines: TR<sup>®</sup>89, TR<sup>®</sup>99 with improved visibility, higher-capacity grain handling system.



30-Year Anniversary of New Holland rotary innovation. Introduced the IntelliView™ Plus touch-screen display for precision farming

**8th Generation** Twin Rotor combines: CR9000 Series (up to 400 hp) with new Tier 3 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.

# Smooth, high-efficiency feeding

## Terrain Tracer™ and ASP™ systems increase performance, reduce worry.

New Holland CR9000 combines feature superior head control and stone protection 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 and one optional operating 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 would contact 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.



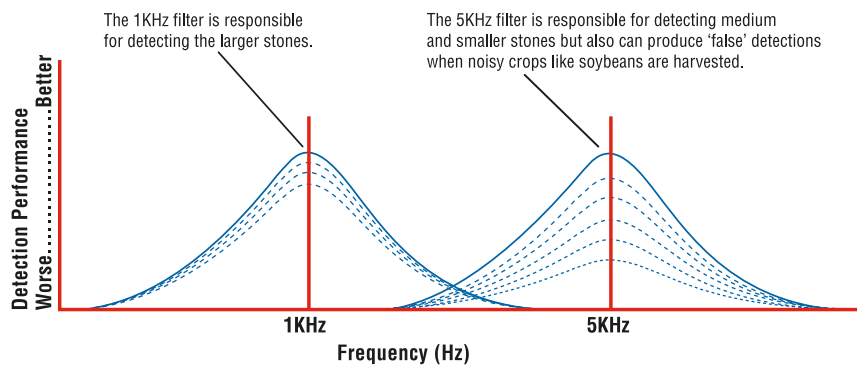
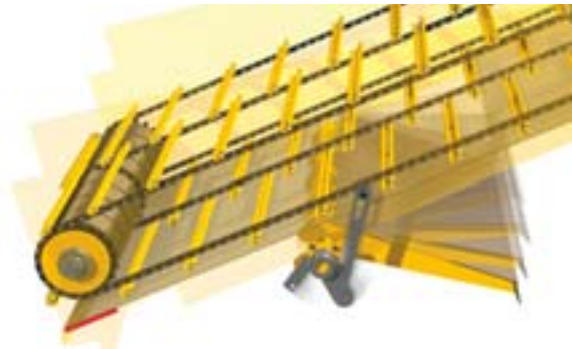
*Terrain Tracer™ can be controlled manually with a switch on the hydrostatic lever.*



## ADVANCED STONE PROTECTION

### ASP™ system ejects stones that others miss

The New Holland Advanced Stone Protection (ASP™) system uses two sound filters to electronically detect and eject stones that other systems miss, with minimum false detection and without mechanical parts to impede crop flow. The electro-acoustic ASP system “listens” for stones and stops the head and feeder automatically when a stone is detected. The full-width stone ejection door opens to allow stones to escape easily. A stone detector sled positioned between the feeder chains also comes down with the ejection door, deflected approaching stones to the ground. An alarm and message on the IntelliView™ II monitor alerts you that the door is open. To continue harvesting, simply reverse and raise the feeder to close the door. There is no need to stop to dump a sump/trap as with other designs. By using two sound filters, the ASP system detects stones both large and small.



- The 1 KHz filter is responsible for detecting the larger stones.
- The 5 KHz filter is responsible for detecting medium and smaller stones but can also produce “false” detections when noisy crops like soybeans are harvested.
- The filter sensitivity can be independently adjusted as represented by the dashed lines. In order to reduce the number of false detections, an operator will incrementally reduce the sensitivity as shown. The ASP system will reduce the sensitivity of the 1 KHz filter much less than that of the 5 KHz filter. This not only reduces false detections, but also retains a large amount of sensitivity and thus protection for the larger stones.

# Proven threshing and separating with Twin Rotors®

## CR9000 combines handle the harvesting process faster from the header to the grain tank.

From the prairies of Saskatchewan to the wheat fields of Texas... from the corn fields of Iowa to the rice fields of the Mississippi Delta, the Twin Rotor® design pays off for farm operations, large and small. CR9000 combines simply harvest more efficiently—from the tip of the header until grain arrives in the bin. The Twin Rotor system also allows for quick, easy adjustments to accommodate any crop or condition including specialty crops.

### Efficient, inline, undershot feeding

Two rotors are positioned side-by-side to provide an extra-wide feed opening. The width of the CR9000 feeder house matches the full width of the rotors and releases the crop just under the rotor feed augers. This efficient, straightline feeding reduces power consumption and wear. The matched-width feeder and rotor increase capacity

because the crop does not have to converge to enter the rotor like other rotary combines require. The Twin Rotors are timed to alternately sweep the crop into each rotor for increased productivity and smoother feeding.

### Best-in-class feeder/header reverser

If you encounter a heavy crop slug, New Holland's unique heavy-duty feeder reverser allows you to inch the feeder both forward and back. This allows you to "rock" crop slugs free and slowly feed them into the threshing area without leaving your seat.

### Fast, grain-on-grain threshing

New Holland's Twin Rotors generate the highest centrifugal force of any rotary combine for the fastest separation on the market. The unique "S" rotors use separator bars that are Staggered, Segmented and Spiraled to control the crop, moving it evenly and eliminating bunching of material. The Twin Rotor chamber promotes a high level of grain-on-grain threshing—a much gentler threshing process than metal-on-grain threshing — to drastically reduce the opportunity for grain damage. The Twin Rotors spiral the crop rearward through

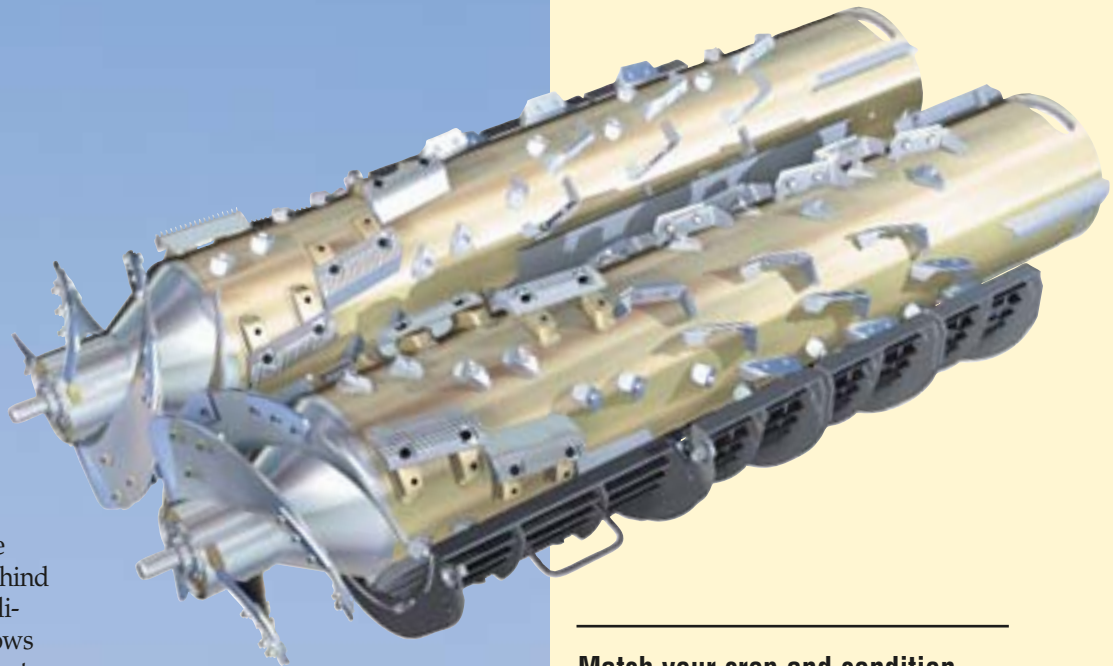


the adjustable concave area, where 100% of the crop is threshed and 90% is separated. The continuous, even flow of crop combines with the extraordinary centrifugal force, causing grain to flow through the concave quicker and onto the grain pan, escaping damage. Straw, cobs and residue are directed to the residue management system by the rotating discharge beater located behind the rotors. In tough harvesting conditions, an adjustable beater grate allows trapped grain in the straw or residue to be saved.

### Even more threshing and separating control

The CR9000 **adjustable top cover** (optional) allows you to change the pitch of the transport vanes. Retarding the

vanes increases the amount of crop threshing and separating before the crop is discharged. Advancing the vanes increases the machine's capacity in crops that thresh more easily, like sunflowers.



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### Match your crop and condition

CR9000 combines are available in three configurations

- Small Grain
- Corn and Soybeans
- Rice and Soybeans

For versatility, these configurations can be changed easily. Select from a wide variety of accessories to match your crop and conditions.

### Concaves

- Round bar for corn and soybeans
- Universal/Large wire for corn and soybeans (awing plates available)
- Universal/Small and large wire for rice and soybeans (awing plates available)
- Small wire for small grains (awing plates available)
- Field Pea Special for peas and small grains (awing plates available)
- **All concaves are available in abrasive wear configuration**

### Separator Grates

- Bar and wire
- Round bar
- Slotted grate
- Slotted bar and wire grate cover

### Rotor

- Trailing rasp bars
  - Smooth rasp bars
  - Crop thinning blades
  - Agitator pins
  - Corn separating wedge
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# Extreme cleaning capacity on both flat land and hills

## Self-leveling cleaning system separates grain from chaff naturally.

New Holland engineers have developed a cleaning system that works with the forces of nature rather than against them, so you get incredibly clean grain and incredible operating efficiency on flat ground and on slopes. This exceptional cleaning system is **standard equipment** on CR9000 combines.

### SLS system works with gravity

New Holland's unique SLS self-level-

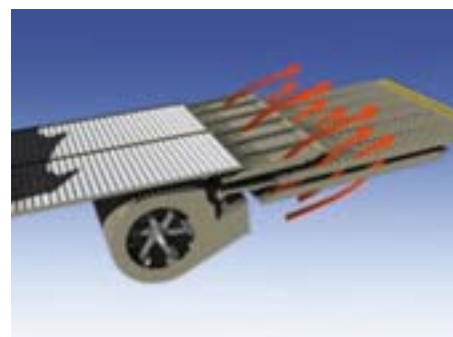
ing cleaning system works with gravity to allow grain and chaff to separate naturally. The entire cleaning system (including the fan, grain pan and sieves) is kept level automatically so the grain always stays uniform for optimum cleaning efficiency.

This system is incredibly efficient on flat ground, and is able to maintain this exceptional cleaning efficiency on slopes up to 15%. Also, the SLS system banks

on end-row turns to reduce grain loss. That means CR combines continue to operate at full capacity—even on hill-sides, corners and terraces. Another benefit—the self-leveling system is very forgiving, allowing you to operate in many crops and conditions without the need for repeated fine-tuning.

### Efficiency from front to back

While the cleaning systems on other combines use augers, which actually serve to mix grain and chaff together, the unique New Holland grain pan sets up for efficiency right from the start. Since the large grain pan has no dividers, grain can spread out, stratify and separate easily. The grain pan oscillates, lifting and depositing the



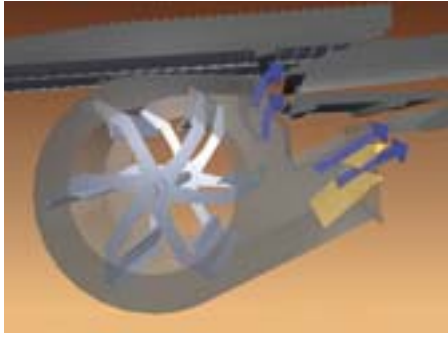
grain repeatedly. This shaking motion causes the heavier material (grain) to move to the bottom of the mat and to the rear of the grain pan, actually pre-classifying the grain long before it gets to the sieve. When the grain falls from the grain pan, the pre-cleaning sieve improves cleaning efficiency by immediately separating up to 20% of the stratified grain.

### Large air volume

A huge air blast from the large 26.5-inch cleaning fan carries the chaff residue toward the rear, while the grain falls through the sieves. The large-capacity fan holds more pressure to suspend the material as it moves



*The SLS self-leveling cleaning system components (grain pan, cleaning fan and sieves) remain level while the lower main frame follows the ground contours. This allows grain to always remain level for maximum cleaning efficiency and setting forgiveness.*



*The patented open design of the large 26.5"-diameter cleaning fan continuously delivers large air volume for ultra-efficient cleaning.*

over the sieves even during heavy MOG conditions (material other than grain). The patented open design delivers large volumes of air continuously to the sieves for ultra-efficient cleaning. The fan is hydraulic driven and features automatic speed retention to

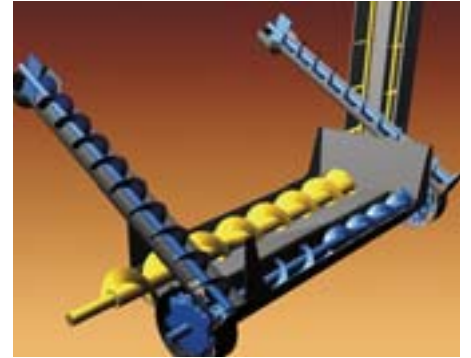
retain a constant fan speed even when the engine speed is slightly reduced under load.

### Massive sieve area

The New Holland cleaning system has the largest cleaning area in the industry. The top and bottom sieves of the New Holland cleaning system are fully adjustable and provide a **massive 8,370-sq. in. cleaning area (10,075-sq. in. on the CR9070)**. Remote sieve adjustment is standard equipment, allowing you to make adjustments from the cab or by using switches at the rear of the machine.

### Rethreshed returns are delivered to the grain pan

A single tailing processor system on the CR9040 and a dual returns system on the two larger models handle any



unthreshed grain. A return auger delivers the material to one or two sets of spike-tooth processors. These tailing processors re-thresh the grain and deliver it to the grain pan— not the rotors—so the capacity of the main threshing area is not reduced. Return volume is accurately monitored with the in-cab Intelliew<sup>TM</sup> II display.



# Superior grain handling and residue management

## CR9000 combines give you complete control of grain, chaff and straw.

CR9000 combines give you complete and effortless control of grain storage, grain unloading and residue management.

### Ample grain storage

Large grain tank capacities from **315 to 350 bushels** with easy-folding extensions let you harvest longer with less frequent unloading. Grain tank covers are optional and can be con-

trolled from the cab. To sample grain in the tank, an access door is provided on the front of the grain tank near the cab door. Two fully-adjustable sensors are mounted in the grain tank to keep you informed of the grain level. When grain reaches the level of the first sensor, indicating that the grain tank is 75% full, a flashing beacon alerts the grain cart operator. At 100% capacity, a warning appears



on the Intelliview II display and an audible alarm sounds.

### Unload fast

When it is time to unload, an over-the-top unloading system unloads at **3.2 bushels per second** with a **21- or 24-foot auger** length to accommodate the largest headers. You extend the unloading tube hydraulically from the cab with the touch of a single button.



### Residue management

Uniform residue distribution is extremely important — especially in no-till and minimum-till operations. The standard residue management system allows you to change from spreading chaff and straw to windrowing with the flip of a manual lever. The New Holland straw chopper delivers a fine cut chop quality and even spread pattern to meet customer needs.

The deluxe residue management system, PSD™ Positive Straw Discharge, provides complete control of chaff and straw, allowing you to control the three-position straw hood baffle. The deluxe chopper option is designed for high-volume crops windrowing, and allows you to:

- windrow straw and drop chaff
- windrow straw and spread chaff
- chop and spread straw and chaff
- chop and spread straw and drop chaff



*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.*

*Use the deluxe chopper to spread or windrow straw and chaff.*

# The productive Harvest Suite™ Cab

## Roomy CR 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 CR9000 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

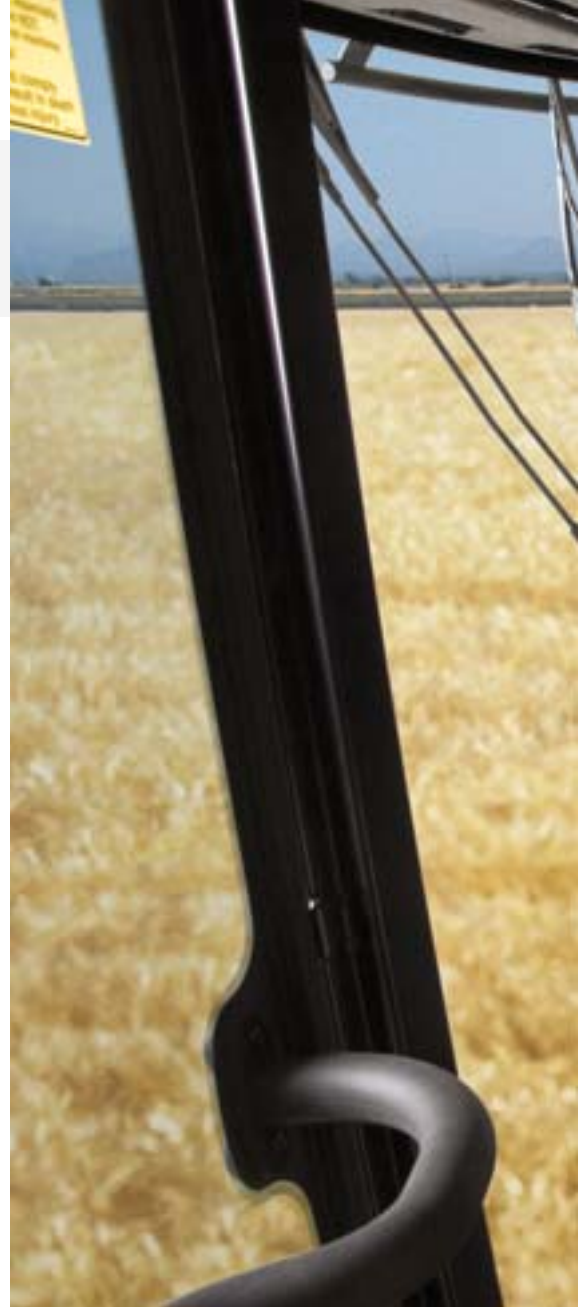
There's **110 cubic feet** of room in the Harvest Suite cab. And, we're talking usable room in all directions. You can stretch out, get comfortable and bring whatever you need because there's plenty of space to stow it. There's storage room below the armrest, below both seats and a large area behind 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

CR9000 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-



### 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, multi-function 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.*

out constantly moving your head from side to side. A total of 14 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 multi-function handle and



convenient toggle switches that provide 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



*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.*

you need to react quickly. New Holland 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 CR9000 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 seven-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.

# Responsive, reliable engine power

## Fuel-efficient, 6-cylinder New Holland Cursor engines are up for any challenge.

### The highest power rating in every class

You'll notice and appreciate the power, performance and responsiveness of CR9000 engines—especially in adverse crop or field conditions. These hard-working, fuel-efficient, six-cylinder engines have a reserve of power to meet any challenges you face in the field—without losing threshing performance.

### Capacity-matched engines

New Holland has matched the best engine to the size and harvesting capacity of each of the three CR9000 combines. The CR9070 features a state-of-the-art 10.3-liter **New Holland Cursor** engine that sets the standard for performance. The 9.0-liter Cursor engine used in the CR9040 and CR9060 features a high-pressure, high-efficiency common-rail fuel injection system.

### Selectable power boost lets you maintain full capacity at all times

CR9000 Series combine engines are electronically managed and provide a selectable power curve to maintain your productivity without a loss in threshing speed—and with no time limits. Select a boost for unloading on-the-go without slowdown, or choose a steep power rise for fast engine power recovery in tough harvest conditions.

### Exceptional fuel efficiency

Like the rest of the combine, CR9000 engines are models of efficiency. The full-authority electronic fuel injection system controls fuel rate, engine timing and governing to provide superior power and fuel economy. In addition, all CR9000 engines use a cross-flow head design to maintain a flow of cool, dense intake air for optimized air flow, superior fuel/air mixing, efficient combustion and uniform cooling. The fresh air intake is located behind the rotary screen on the right-hand side of the combine, in the coolest and cleanest area of the machine to more easily maintain a flow of cool, dense intake air.

### Increased cooling capacity

CR9000 engines stay cooler thanks to a high-capacity intercooler, coolant radiator and oil cooler. The nine-blade, high-efficiency fan supplies a continuous stream of cooling air. In addition, a short exhaust muffler tube reduces the risk of dust and chaff build up. All CR9000 combine radiators and coolers use an in-line core design, which reduces cleaning intervals and, more importantly, ensures that key components like the engine are properly



*The 6-cylinder, Cursor 9.0-liter engine used on the CR9040 and CR9060 has a history of proven performance.*



Model	Max HP	Rated HP	Liter	Power Rise	Power Rise w/ Boost	Governor
CR9040	372	322	9.0	50 hp	25/25 hp	Electronic
CR9060	410	360	9.0	50 hp	25/25 hp	Electronic
CR9070	450	400	10.3	50 hp	25/25 hp	Electronic



cooled — especially important if you harvest in hot conditions.

### Reduced emissions

CR9000 powerplants are EPA-certified for Tier III “green engine” emission compliance to assure cleaner air quality, and represent a reduction of NOx and HC emissions. These reduced emissions are due, in part, to a new internal exhaust gas recirculation (EGR) system. A modification in intake valve timing allows part of exhaust gas to be con-

veyed back into the engine cylinder to reduce combustion temperature which, in turn, reduces NOx emissions.

### Longer operation between fuel stops.

The extra fuel capacity of CR9000 combines means you can harvest longer without stopping. The CR9040 and CR9060 have a large 200-gallon fuel capacity, while the CR9070 features an even larger 264-gallon fuel tank.

***Biodiesel approved!*** The CR9040 and CR9060 are approved for use with B20 biodiesel, and the CR9070 is approved for use with B100! 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. **Learn more at your New Holland dealer.**



# High-performance quick-attach heads

## Time-proven heads save time and take Twin Rotor 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 CR9000 combines.

### One-stop head latching

You never waste time with a CR 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. Both the hydraulic and electrical hook-up 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.



*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.*

Head Model	Head Type	CR9000 Combine Compatibility			
		CR9040	CR9060	CR9070	
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	12-row
		22" row spacing	12-row	12-row	12-row
		30" row spacing	6-row, 8-row	6-row, 8-row, 12-row	6-row, 8-row, 12-row
		36/38" row spacing	6-row, 8-row	6-row, 8-row	6-row, 8-row
99C	Chopping Corn Head	30" row spacing	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 CR9000 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 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 CR9000 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.

*\* SwathMaster and Rake-Up are trademarks of Precision Metal Fabricating, LTD.*

## **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 +/- three 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 84-inch feeder. A

hydraulic trap door 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 CR9000 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 terrain. 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 in to 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.

# Precision Land Management



## Integrated New Holland systems help increase yields.

Precision farming is integrated into the design of CR9000 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:

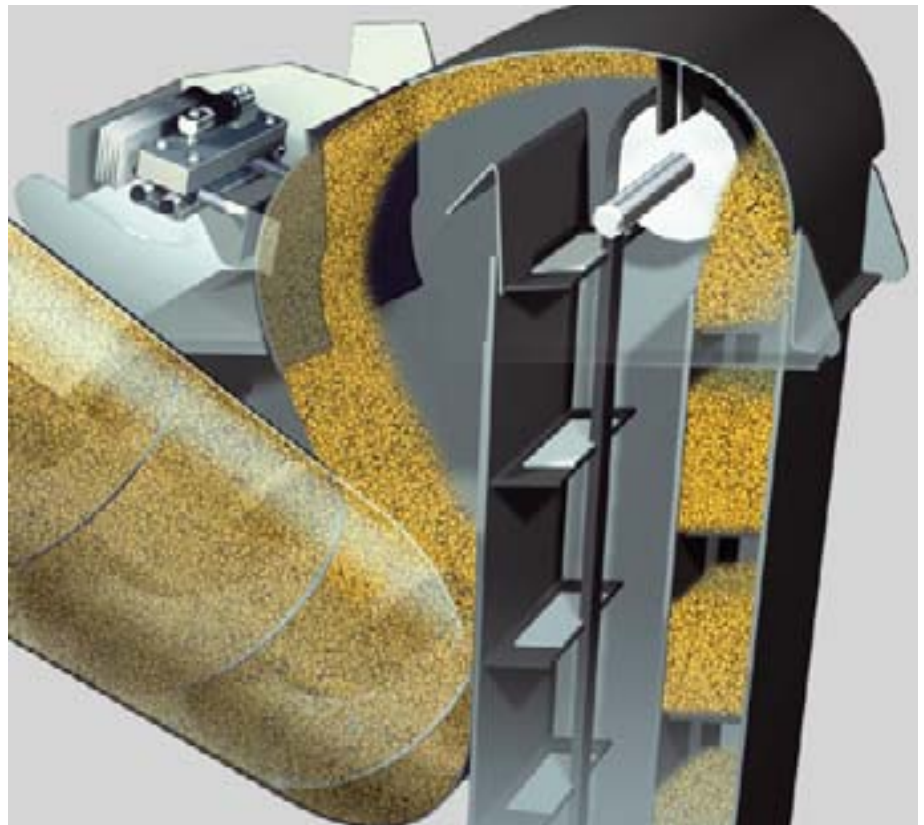
- A yield and moisture monitor for on-the-go yield and moisture readings with data logging.\*
- Yield and moisture monitor with a GPS receiver to set you up with on-screen yield mapping with data logging.\*\*



- 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

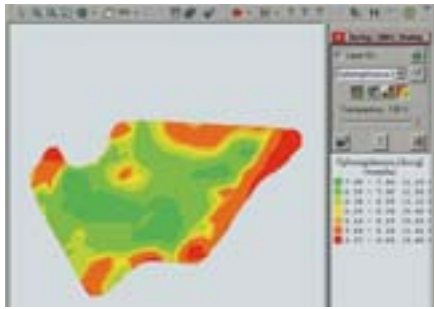
CR9000 combines equipped with the New Holland's DGPS system allow you to use the valuable field data you collect with the yield and moisture sensors to prepare yield maps and better understand yield variations. Yield and moisture readings

\* 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):

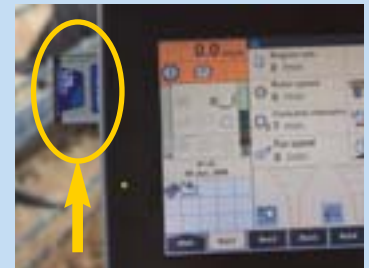
- Differential correction signal provided by RTK base station. (RTK requires software upgrade to the receiver and the addition of a radio receiver.)
- +/- 1 inch pass-to-pass
- +/- 1 inch year-to-year repeatable

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



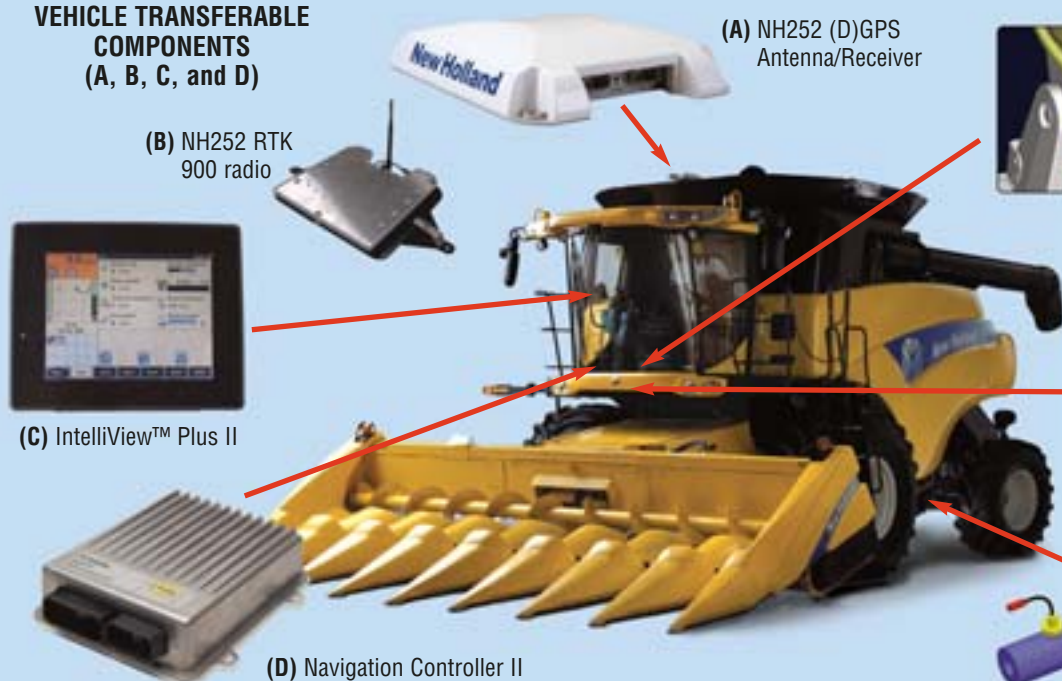
## IntelliSteer™ auto-guidance

CR9000 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 for 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 combines 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

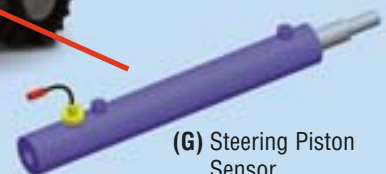
### VEHICLE NON-TRANSFERABLE COMPONENTS (E, F, and G)



(E) Steering Over-ride Sensor



(F) Hydraulic Steering Manifold and Hoses



(G) Steering Piston Sensor

# Service access that's convenient and complete

## Side shields glide open and steps fold down for full access.

New Holland engineers designed CR9000 combines with everything you need to easily access all service areas, so you can harvest earlier and spend less time getting ready. Large, formed metal, "gull-wing" side shields glide open effortlessly on gas struts for full service access. This ability to reach the entire side of the combine saves you time and hassles. Standard under-shield lighting provides a better view in low light conditions, and an optional onboard compressor allows you to clean areas of your machine.



## Everything's within easy reach

Service platforms, steps and fold-away ladders are ready when you are to provide a secure, easy way to reach all service areas. A convenient, fold-down ladder provides quick access to the rear service deck where you can conveniently access all major service points as well as the grain tank. With the engine cover panel raised, the entire engine area is readily avail-

*Large, swing-up, side panels allow for unobstructed service access.*

*Rear service deck ladder folds down, making it easy to refuel or carry containers of fluid to the rear deck.*



able.

Checking and maintaining fluids requires much less effort than other combines. Sight gauges are provided for both rotor gear cases. Drain lines for engine oil, hydraulic oil and hydrostatic system are located at ground level so you can easily catch oil in a container on the ground. Three centralized lube banks reduce the time needed to maintain the feeder house and main countershaft.

### Even the rotors are easy to reach

Large access doors make it easy to reach the rotors and quickly remove or change concaves and separator grates to match crops. Quick-release concaves can be removed without



*Service platforms provide secure footing and easy access.*



*The rear service deck provides convenient access to the engine and grain tank.*



*Accessing the rotary air screen, A/C condenser and hydraulic oil cooler is also a simple process from the rear service deck.*

# Made with pride and backed by “Triple Check”

## CR9000 owners gets two free service checks

When a CR9000 combine rolls off the New Holland production line and down the road to your dealership, it's ready to exceed your performance expectations this year, and for many years to come.

### The peace of mind of “Triple Check”

New Holland makes sure you experience maximum “uptime” by providing the Triple Check program for CR9000 combines. With Triple Check, your New Holland dealer provides you

with a check of all systems for each year of use for the first two years. You are assured your combine is in top shape and ready to go when you are. See your local New Holland dealer for details.

### Made in the USA for North American farmers

Twin Rotor combines are made with pride at the New Holland plant in Grand Island, Nebraska. Each CR9000 model is subjected to a long list of tests,

adjustments and calibrations as it travels down the assembly line, and at several state-of-the-art testing stations. From the final drives to the windshield wipers, every detail of a CR combine is checked for quality. In all, more than 150 checks and inspections are made. And, your CR combine is actually operated under load for 25 minutes to make sure it's ready to perform for you.



MODEL	CR9040	CR9060	CR9070
<b>Combine Size</b>	Class 6	Class 7	Class 8
<b>Cab</b>			
Glass area, sq. ft. (sq m)	62.3 (5.8)	62.3 (5.8)	62.3 (5.8)
Cab volume, cu. ft. (m <sup>3</sup> )	.....	110 (3.12) Harvest Suite™	.....
<b>Engine</b>	..... <b>New Holland Cursor</b> .....		
Engine type	.....6-cyl. Turbo diesel, air-to-air intercooled .....		
Displacement, cu. in. (L)	549 (9.0)	549 (9.0)	629 (10.3)
Max Horsepower (kW)	372 (277)	410 (306)	450 (336)
SAE Horsepower @ 2100 rpm (kW)	322 (240)	360 (268)	400 (298)
Power rise / Power boost + Power rise	50 hp / 25+25 hp 38 kW / 19+19 kW	50 hp / 25+25 hp 38 kW / 19+19 kW	50 hp / 25+25 hp 38 kW / 19+19 kW
Fuel tank capacity, U.S. gal (L)	200 (750)	200 (750)	264 (1000)
<b>Grain tank capacity, bu. (L)</b>	315 (11,100)	315 (11,100)	350 (12,333)
<b>Transmission</b>	.....Hydrostatic, 4-speed gearbox .....		
<b>Rotor</b>			
Length, in. (mm)	104 (2642)	104 (2642)	104 (2642)
Diameter at rasp bar, in. (mm)	Two 17 (432)	Two 17 (432)	Two 22 (559)
<b>Self-leveling cleaning system</b>	..... <b>Standard</b> .....		
Cleaning system width, in. (mm)	52 (1321)	52 (1321)	62 (1575)
Total cleaning sieve under wind control area, sq. in. (sq m)	8,370 (5.4)	8,370 (5.4)	10,075 (6.5)
Grain pan and rake with no dividers, area, sq. in. (sq m)	3,540 (2.3)	3,540 (2.3)	4,236 (2.7)
<b>Head/feeder drive</b>	Fixed/Variable	Fixed/Variable	Fixed/Variable
<b>Stone protection</b>	..... ASP™ electronic advanced stone protection .....		
<b>Tailing system</b>	Single Tailings Processor	Dual Tailings Processor	Dual Tailings Processor
<b>Unloader rate, bu/sec (L/sec)</b>	3.2 (112)	3.2 (112)	3.2 (112)
<b>Max. height w/out beacon, w/900/60 R32 drive tires, in. (m)</b>	155.5 (3.95)	155.5 (3.95)	155.5 (3.95)
<b>Turning radius, in. (m)</b>	173 (4.39)	173 (4.39)	173 (4.39)
<b>Wheelbase, in. (m)</b>	148 (3.76)	148 (3.76)	148 (3.76)
<b>Weight (approximate, with empty grain tank, w/out head, lbs. (kg))</b>	34,308 (15,562)	35,150 (15,944)	36,831 (16,706)
<b>Transport width</b>	10' 10" (3.3 m)	10' 10" (3.3 m)	10' 10" (3.3 m)

\* All numbers are manufacturer's estimates. Comprised of model 2008 year information.



# Trusted solutions from a trusted name.



When you place your confidence in innovative New Holland agricultural equipment, you also get the finest support. Your local New Holland dealer stands behind you at every step with the equipment, parts, service, and financial services you and your operation need.

**Quality parts and service.** Turn to your New Holland dealer after the sale for expert, factory-trained service and genuine New Holland-branded parts to keep you working productively season after season.

**Financing solutions.** Your New Holland dealer can tell you about smart ways to turn your financial challenges into opportunities with a portfolio of innovative financial services available through CNH Capital, including customized financing, leasing, insurance, and the purchasing convenience of a Commercial Revolving Account.



For reliable equipment, parts and service – or just honest advice on farming and finance – turn to New Holland and your trusted New Holland dealer.

## YOUR NEW HOLLAND DEALER



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## TOP SERVICE MAKES YOUR NEEDS A TOP PRIORITY

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24/7, year-round support and information — just by calling one toll-free number.



### TOP SPEED

New Holland is redefining “fast” — with express parts delivery when and where you need it.



### TOP PRIORITY

Fast-track solutions maximize your productivity — because your harvest can't wait.



### TOP SATISFACTION

We drive and track the solution you need, keeping you informed — until you are satisfied.

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Visit our Web site at [www.newholland.com/na](http://www.newholland.com/na) Or, call toll-free: **1-888-290-7377**

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

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