

# New Holland CR Series Twin Rotor® Combines



NEW HOLLAND

CR940 CR960 CR970

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# Step up the pace of your harvest

## **CR Series combines are more efficient at every step of the process.**

CR Series Twin Rotor® combines give you more throughput capacity than other combines, along with minimal loss and damage—even in less-than-perfect fields. CR combines step up the pace from the head to the chopper. At each step of the process, a CR combine handles the job more efficiently. Take a look:

### **Twin Rotors® generate more centrifugal force**

CR combines separate grain fast using patented Twin Rotors that generate the highest centrifugal force of any rotary combine. Two rotors placed side by side create a wide infeed to the rotors for higher thresher capacity in a wide range of crops. The side-by-side rotors promote

a high level of grain-on-grain threshing, to handle grain more gently than other systems. You get high-quality grain—and more of it. Twin Rotors also naturally distribute the grain more evenly on the cleaning system. And, the Twin Rotor system allows for quick, easy adjustments to accommodate any crop or condition including specialty crops.



## Superior stone protection

New Holland's Advanced Stone Protection (ASP™) system uses sensors above and below the crop to detect and eject stones that other systems miss. The system operates automatically to let you concentrate on the harvest without being slowed down by expensive downtime. There is no need to stop to dump a sump/trap as with other designs.

## The most efficient cleaning system available

A unique SLS (self-leveling cleaning system) provides a more natural, efficient and thorough way to clean grain. The CR sieve area is massive—19 to 43% larger than Deere's—to boost capacity on flat ground and on slopes up to 15%.

## A larger grain tank and faster unloading speed

You spend less time unloading with a CR combine thanks to bigger grain tanks and a fast unloading rate—3 bushels per second. That's up to 36% faster than the competition to keep unloading time to a minimum.



## The largest, most productive cab

The New Holland Harvest Suite™ cab gives you more room and better visibility than any other cab on the market. It's

designed not only for comfort, but for superior control. State-of-the-art instrumentation and controls take your ability to monitor and adjust harvest productivity to a new level.

## A reserve of power keeps you at full capacity

New Holland six-cylinder engines have a reserve of power to meet any challenges in the field without losing threshing speed. These fuel-efficient engines are electronically managed and provide a power boost to maintain full capacity at all times—even when unloading on the go.

## Tighter turns and a smoother ride

While the wheelbase of CR combines is significantly longer than previous models, turning radius is shorter thanks to a unique offset kingpin steering geometry that provides more frame clearance and a sharper turning angle. In fact, the CR turning radius is up to 40% tighter than competitor's combines for better maneuverability, as well as added stability and a smoother ride.

It's easy to see how the many CR advantages add up to better productivity that affects your bottom line. Ready to do more? Read on and learn more about CR Twin Rotor combines and what they can do for your operation. Then visit your New Holland dealer.

### New Holland's industry-leading range of rotary combines

MODEL	SAE HP	GRAIN TANK CAPACITY (BUSHELS)
CR940	295	255/300
CR960	330	300
CR970	400	330

# The Twin Rotor<sup>®</sup> design pays off

## Faster separation virtually eliminates grain damage and loss.

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 CR Twin Rotor<sup>®</sup> design pays off for farm operations, large and small.

### Efficient, inline, undershot feeding

Two rotors are positioned side-by-side to provide an extra-wide feed opening. The width of the CR feeder house matches the full width of the rotors and releases the crop just under the rotor feeder augers. This efficient, straightline feeding reduces power consumption and wear. The Twin Rotors are timed to alternately sweep the crop into each rotor for increased productivity and smoother feeding.

### 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

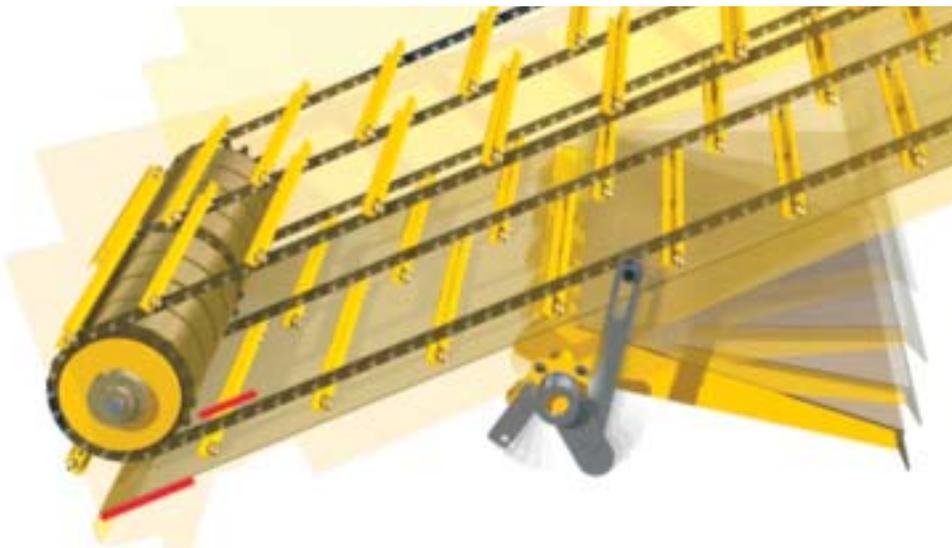
chamber promotes a high level of grain-on-grain threshing—a much gentler threshing process than metal-on-grain threshing—to drastically reduce the opportunity for grain damage. The Twin Rotors spiral the crop rearward through the adjustable concave area, where 100% of the crop is threshed and 90% is 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 allows trapped grain in the straw or residue to pass through the grate and fall onto the cleaning system.

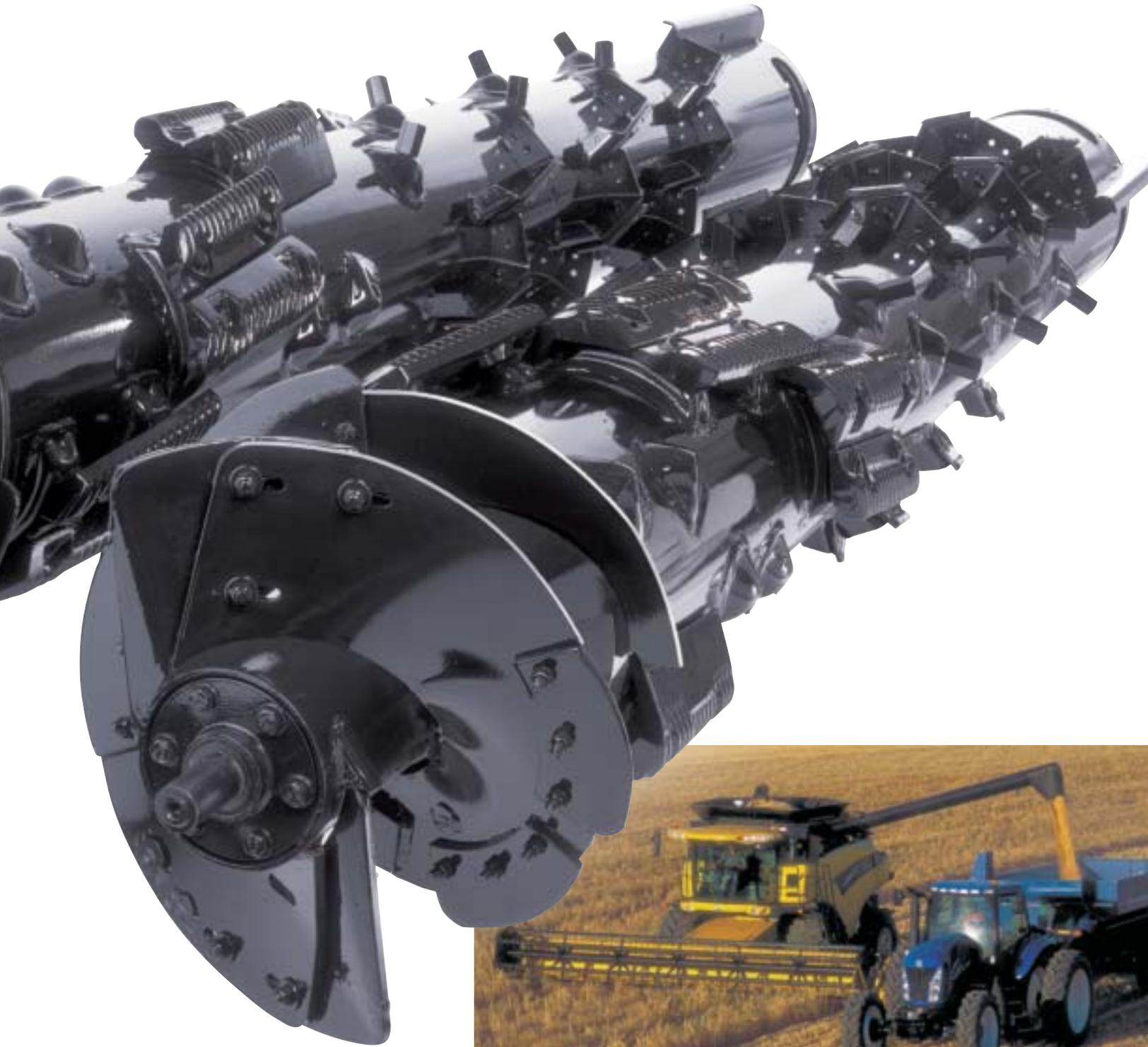


### ASP<sup>™</sup> system ejects stones that others miss

The New Holland Advanced Stone Protection (ASP<sup>™</sup>) system uses sensors above and below the crop mat to electronically detect and eject stones that other systems miss, and never impedes crop flow. When the ASP<sup>™</sup> system detects a stone, the head and feeder stop and the full-width stone ejection door opens to allow stones to escape easily. An alarm and message on the InfoView<sup>™</sup> monitor alerts you that the door is open. To continue harvesting, simply reverse and raise the feeder to close the door.



*With sensors both above and below the crop mat, the ASP<sup>™</sup> system detects and ejects stones that other systems miss.*



# Extra-high capacity on flat land and hills

## CR 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.

### SLS self-leveling cleaning system works with gravity

While the cleaning systems on other combines use augers, which actually serve to mix grain and chaff together, New Holland's unique self-leveling cleaning system works with gravity to allow grain and chaff to separate natu-

rally. 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.

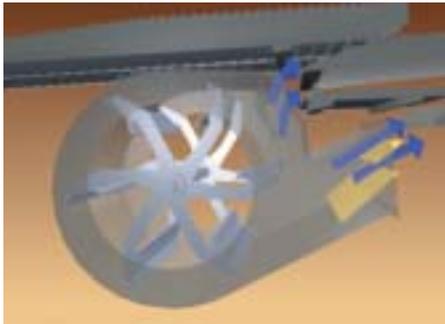
Since the large grain pan has no dividers, grain can spread out, stratify and separate easily. The grain pan oscillates, lifting and depositing the grain repeatedly. This shaking motion causes the heavier material (grain) to move to the bottom of the mat and to the rear of the grain pan, actually pre-classifying the grain long before it gets to the sieve. A huge air blast from the cleaning fan carries the residue toward the rear,

while the grain falls through the sieves.

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 hillsides, 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.



New Holland combines feature a large 26.5" diameter cleaning fan that holds more pressure to suspend the material as it moves over the sieves even during conditions of large volumes of MOG. 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 when the engine speed may be slightly reduced under load.



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### Massive sieve area

The top and bottom sieves of the New Holland cleaning system are fully adjustable and provide a massive cleaning area of up to 8,370 square inches (10,075 square inches on the CR970). An optional remote sieve adjustment allows you to make adjustments from the cab or by using rocker switches at the rear of the machine.

After grain falls from the grain pan, the pre-cleaning sieve improves cleaning efficiency by immediately separating up to 20% of the stratified grain.

### Rethreshed returns are delivered to the grain pan

A single roto-thresh return system on the CR940 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 roto-thresh rotor(s).

These roto-threshers 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 InfoView™ monitor.



*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.*

# Terrain Tracer™ system allows heads to float over rough ground

**The full width of the cutterbar stays at your desired cutting height to get more grain.**





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 that maintain stubble height (standard on flex heads, optional on rigid heads and corn heads). A Resume (“R”) button allows you to store frequently used header heights. Used with automatic height control, Terrain Tracer system evens out your field’s rough spots and takes the worry out of harvesting low-growing crops on uneven terrain.

The Terrain Tracer system is available on flexible auger heads, on corn heads and direct-cut rigid auger heads. In all cases, the automatic Terrain Tracer system can be manually overridden.

### **Automatic head control modes match your needs**

CR combines give you complete control of head height with two standard and one optional operating mode. The status bar on the InfoView™ 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.



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

In *stubble height mode*, the head operates at a specific height from the ground, which you select. At the headlands or when you need to raise the head momentarily, you can automatically return the head to its preset height with a single switch pulse.

With the *optional Autofloat™ head height control*, potentiometer sensors are installed on the head that measure and monitor head height. Not only does the Autofloat™ system maintain a pre-selected stubble height, it adjusts 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 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.

# Superior grain handling and residue management

**CR combines give you complete control of grain, chaff and straw.**



New Holland CR combines give you complete and effortless control of grain storage, grain unloading and residue management. Take a look at the CR advantages:

### Ample grain storage

Large grain tank capacities from 255 to 330 bushels with easy-folding extensions let you harvest longer with less frequent unloading. Grain tank covers are optional and can be controlled 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, the light is illuminated continuously and an audible alarm sounds.



### Fast unloading rate

When it is time to unload, New Holland saves you valuable time with an over-the-top unloading system that unloads at a rate of three bushels per second. The CR combine out-classes the competition by using a large, 14-inch-diameter vertical auger and 13-inch-diameter discharge auger. The 11° tilt of the vertical auger along with the 105° bend between the vertical and discharge augers improves grain flow efficiency. The unloading tube is extended hydraulically from the cab with the



*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.*

touch of a single button. The overhead-style unloading auger is available in 21-foot length to accommodate the largest heads.

### A new concept in residue management

Uniform residue distribution is extremely important — especially in no-till and minimum-till operations. New Holland provides you with a choice of residue management options.

The standard residue management system allows you to change from spreading chaff and straw to windrow-

ing with the flip of a manual lever. The New Holland straw chopper delivers a fine cut chop quality and spread pattern to meet customer expectations

The deluxe residue management system provides complete control of chaff and straw, allowing you to control the three-position straw hood baffle. The deluxe chopper is designed for high-volume crops and windrowing, and allows you the added option of windrowing straw over the chopper and spreading the chaff.

# Responsive, reliable power

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

CR combine customers quickly notice and appreciate the power, performance and responsiveness of CR 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 CR combines. The field-proven 7.5-liter New Holland engine used in the CR940 has long been known for its superior high torque and lugging ability. The CR960 and CR970 feature state-of-the-art 7.8- and 10.3-liter New Holland engines that set new standards for excellent performance. Their 24-valve cylinder head design improves airflow efficiency for constant power, low-end torque and fuel economy. And, the full-authority electronic fuel injection system controls fuel rate, engine timing and governing to provide superior power and fuel economy.



The 6-cylinder, 7.5-liter engine used on the CR940 has a history of proven performance. It combines a parent-bore block design with high tensile strength, generous cooling passages and a high-flow cooling system to provide superior performance and reliability.

### Power boost lets you maintain full capacity at all times

CR combine engines are electronically managed and provide a power boost to maintain your productivity even when unloading on the go—with no time limits. All CR engines feature wastegate turbochargers to ensure optimum engine power.



CR960 and CR970 engines feature an innovative two-piece block design that allows the lower main bearing seats to be integrated as part of a casting for improved structural strength and rigidity, as well as less wear and vibration.

### Exceptional fuel efficiency

Like the rest of the New Holland CR combine, CR engines are models of efficiency. They employ air-to-air aftercooling to optimize engine intake air temperature and fuel efficiency. In addition, all New Holland CR engines use a cross-flow head design, which prevents intake

air from being pre-heated by the high temperature of the exhaust manifold and ensures that cool, dense intake air is maintained to optimize combustion efficiency.

### Long life is in the design

Reliability is built into New Holland CR engines. Their lower 2,100-rpm rated engine speed reduces wear and stress on the engine, reduces noise and improves fuel economy. Engine and component cooling are given special consideration, from the large rotary screen and powerful fan that keeps the engine cool and clean to piston oil cooling. Oil is sprayed on the under side of pistons to supply not only lubrication but to ensure positive cooling of vital components like the piston, cylinder, piston pin and bearing surfaces. All CR 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 cooled—especially important if you harvest in hot conditions.

### Longer operation between fuel stops.

When the harvesting day runs long, you'll appreciate the extra fuel capacity of CR combines. The CR970 features a 264-gallon fuel tank, while the two smaller models have a 200-gallon fuel capacity. That means you only have to refuel after the day's harvest is done.\*

\* Assumes a 16-hour day in most conditions.

MODEL	HP	LITER	POWER RISE	POWER BOOST	GOVERNOR
CR940	295	7.5	21 hp	27 hp	Electronic
CR960	330	7.8	27 hp	27 hp	Electronic
CR970	400	10.3	20 hp	27 hp	Electronic



# Be productive in the 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 the most spacious, efficient cab on the market. The operating station in the CR 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—that's more volume than any other combine. 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 opera-

tor'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 comfort continues with a plush, adjustable air suspension seat and three-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

CR 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 without 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 providing support for the two standard and two additional optional mirrors. Eight more lights are mounted 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 you need to react quickly to conditions. Only 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 CR 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



*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 can place the InfoView™ monitor in the perfect position for you using an infinitely adjustable mounting arm, and you can customize what is displayed on the screen.*



*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.*



are controls for the radio and optional precision farming data logger and the IntelliView™ Plus monitor (see pages 22 and 23).

### **Everything you want to know at a glance**

The New Holland InfoView™ monitor is standard equipment, and provides

customized performance information at a glance. The user-friendly touch-pad 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. You can customize the screen to include the information you desire. Unlike competitive monitors

that obstruct your view, the InfoView monitor is mounted on an infinitely adjustable arm that lets you place it wherever you want it. The IntelliView™ Plus touch screen monitor is included with the optional full precision farming mapping system.

# Time-saving, one-stop head latching

## Quick-attach heads also make you more productive in the field.

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.

Most other combines have head latches and hydraulic hook-ups on both sides of the feeder house, and require you to stoop down or get on your knees to reach the pins. With a CR combine, there's no need to kneel on the ground or crawl under the machine!

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.

### Big hydraulic capacity handles big heads

CR Series combines have lightning-quick hydraulic response thanks to a closed-center load-sensing (CCLS) hydraulic system. The system only provides oil flow and pressure when needed, reducing power consumption and heat build up.

See your New Holland dealer for head compatibility information.



*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.*





# Time-proven heads feed smoothly

## These heads take CR 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 effective-

ly 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 InfoView™ 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.

If you encounter a heavy slug of crop, New Holland's exclusive feeder reverser



Model	Head type	Sizes
72C	Direct-cut rigid cutterbar	20', 25' 30'
74C	Direct-cut flex cutterbar	20', 25', 30', 35'
76C	Windrow pickup	12', 14', 16"
84C	Flex Draper	30", 36"

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.

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 12-, 14- and 16 foot widths, in SwathMaster™\* and Rake-Up™\* designs. All 76C heads match the large capacity of CR combines when harvesting cereal grains, beans, peas, lentils, canola or grass seed. Optional automatic head height control is available on all models to maintain 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. Two SwathMaster Belt Pickup options are 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.

### **84C Flex-draper Heads**

The New Holland 84C Flex-draper head is available in 30 and 36 foot cutting widths with capacity to match the huge appetite of the CR and CX combines. A three piece flexing frame in conjunction with a two piece reel allows this productive head to follow the ground, getting all the crop and smoothly feeding it into the combine. Draper head feeding has been shown to improve capacity up to 20% over auger heads. This head performs even better in damp, green, tough-to-feed crops.

Following the ground and getting all

the crop is no problem for the 84C. The full suspension design is free to float 7.5 inches vertically and 4.8 degrees laterally. The head is designed in three sections that allow the wings to float an additional 1.6 degrees both up and down.

The 84C excels in tough conditions because the crop is cut, swept back by the reel and rides on the draper belts, rather than being slid along by an auger. Feeding short or sticky crops is always positive with the two piece reel that stays close to the cutter-bar, sweeping the crop in without inadvertently cutting off the reel tines.

Standard equipment includes remote hydraulic control of the guard angle for continuous harvesting in varying crop conditions. In addition, the automatic float-optimizer system keeps the head-to-feeder relationship optimum for smooth feeding.

The “C” shaped cutter-bar allows soil and trash to escape from the belt and roller area when harvesting on the ground.

The head can be easily locked into a rigid mode for off-ground direct-cut harvesting.

# Designed for high capacity

## Draper and corn heads maximize CR 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 also standard.



### 94C Grain Draper Belt Heads

The 94C grain belt header uses two draper belts to feed the crop to an extra-wide center belt. 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 turn-buckle 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.

Model	Head type	Sizes	
92C	Rice & soybean draper	25'	
94C	Grain draper	25', 30', 36', 40', 42'	
98C	Corn	6 row	30", 36", 38"
		8 row	30", 36", 38"
		12 row	20", 22", 30"



### **98C Corn Heads**

The 98C corn head helps make your harvest go faster.

#### **Faster ground speeds**

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

painting. 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.

Optional 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.

Optional Terrain Tracer™ automatic head height control and lateral float allows you to get those low hanging ears even with the widest heads. A standard 2 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.

# More time harvesting, less time calibrating

## New Holland's Precision Farming System helps increase your yields.

### An integrated system

When you use a CR Series combine, precision farming is not treated like an "add-on." It's integrated into the design of the combine. The New Holland precision farming equipment can be either factory- or field-installed. Choose from:

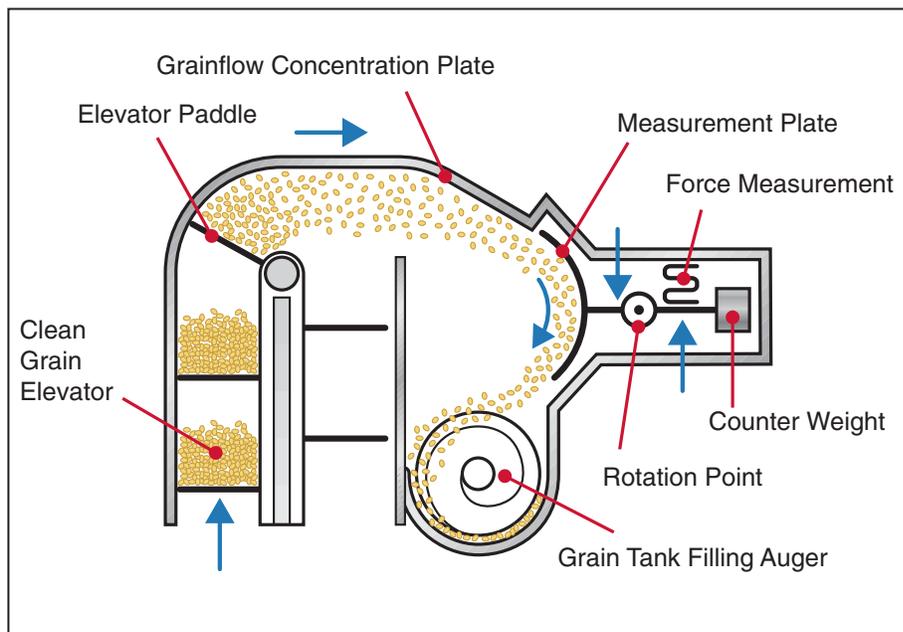
- An economical moisture-only monitor for on-the-go moisture readings—a New Holland exclusive\*
- Yield and Moisture Monitor\*
- Yield and Moisture Monitor with data logger\*



- Full precision farming package includes the IntelliView™ Plus touch screen display, DGPS (Differential Global Positioning System) with antenna-receiver and mapping software. The IntelliView™ Plus display is in addition to InfoView™ monitor and is dedicated to precision farming information.



The New Holland Global Positioning receiver with differential correction (DGPS) reports your precise geographic location as you harvest. See your New Holland dealer for more information.



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

### High-accuracy yield and moisture 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 densities 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 CR moisture sensor is mounted in the clean grain elevator housing and constantly samples the grain, measures its electronic conductivity, then calculates and displays the moisture content on the monitor.



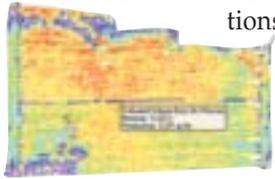
\* Information is displayed on the standard InfoView™ monitor.

\*\* Systems using the IntelliView™ Plus display required one-load calibration per crop type that have significant yield variation

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

### Map it, analyze it and print it

When you equip your CR combine with New Holland's DGPS system, you can 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 are stored on a data card, which you can download into a personal computer.

Using New Holland Precision Farming System's mapping software, the data can be viewed and thoroughly analyzed.



New Holland Precision Farming Systems 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.



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



# Service access that's convenient and complete

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

New Holland engineers designed CR combines with everything you need to easily access all service areas, so you can harvest earlier and spend less time getting ready. The CR's 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. Optional under-shield lighting provides a better view in low-light conditions, and an optional on-board compressor allows you to clean areas of your machine.



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

## 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 available.

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



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.

*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.*

### **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 tools.

# Made with pride in Grand Island, Nebraska

**Thorough testing ensures the quality of every CR combine.**



## **Over 150 inspections**

Each CR combine 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 at the New Holland Grand Island plant. 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.

## **"Triple Check" gives you peace of mind**

New Holland makes sure you experience maximum "uptime" by providing the Triple Check program for CR combines. The New Holland Triple Check program provides you with a check of all systems after the first two use seasons, including adjustments, lubrication and cleaning. See the specialists — your local New Holland dealer — for details.

## **Boost your harvesting efficiency**

When New Holland builds CR combines, they have your harvesting efficiency in mind. Your New Holland dealer specializes in your harvesting success, too. They can help you choose the right CR combine for your operation. CR models range in size 295 to 400 hp, Class 6 to Class 8, and are available in versions specially equipped for various crops — Small Grain, Corn & Soybean, and Rice & Soybean. Boost your harvesting efficiency with a new CR Series combine!

SPECIFICATIONS	MODEL CR940	MODEL CR960	MODEL CR970
<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> ..... 6-cyl. diesel, air-to-air intercooled .....			
Displacement, Liter.....	7.5.....	7.8.....	10.3
SAE Horsepower @ 2100 rpm (kW).....	295 (220) .....	330 (246) .....	400 (298)
Fuel tank capacity, U.S. gal (L).....	200 (750) .....	200 (750) .....	264 (1000)
Grain tank capacity, bu. (L).....	255 (9,000).....	300 (10,570).....	330 (11,630)
	300 (10,570) opt.		
<b>Transmission</b> .....			
		Hydrostatic, 4-speed gearbox .....	
<b>Rotor length, in (mm)</b> .....	104 (2642) .....	104 (2642) .....	104 (2642)
<b>Rotor diameter at rasp bar, in (mm)</b> .....	17 (432) .....	17 (432) .....	22 (559)
<b>Self-leveling cleaning system</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 size compatibility:</b>			
Pickup heads.....	12',14'or 16' .....	12',14'or 16' .....	12',14'or 16'
Direct/Flex auger head .....	up to 35' .....	up to 35' .....	up to 35'
Flex Draper .....	up to 36' .....	up to 36' .....	up to 36'
Corn head .....	up to 8-row .....	up to 12-row .....	up to 12-row
Grain draper head .....	up to 36' .....	up to 42' .....	up to 42'
Rice draper head .....	25'-30' .....	25'-30' .....	25'-30'
<b>Head/feeder drive</b> .....	Fixed/Variable.....	Fixed/Variable.....	Fixed/Variable
<b>Stone protection</b> .....	ASP™ electronic advanced stone protection .....		
<b>Unloading rate, bu/sec (L/sec)</b> .....	3.0 (106) .....	3.0 (106) .....	3.0 (106)
<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



# You'll find it at the blue and white sign.

Globally, we're a valued leader in innovative agricultural and construction equipment and a wide range of financial services.

Locally, we're your trusted New Holland dealer — the specialist at the blue and white sign who's always there with the equipment, parts, service and financing you and your operation need.

Together, we're working to deliver the best value in today's dynamic world economy.

**With productive equipment.** You won't find a more complete and modern line of tractors, haytools, combines and crop production equipment — with a wider selection of models offering the latest performance, convenience and comfort features — than at your New Holland dealer.

**With 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. After all, you've placed your confidence in the best equipment, and you deserve the finest support — whether at the service counter or in the field.

**With financing solutions.** Your New Holland dealer can tell you about smart ways to maximize cash flow, preserve working capital and protect what's important.

With a portfolio of innovative financial services available through CNH Capital, like customized financing, leasing, insurance, and the purchasing convenience of a Commercial Revolving Account, your New Holland

Financing provided by  
**CNH Capital**

dealer can turn your financial challenges into opportunities. You name it — equipment, parts and service, financing, or just trusted, honest advice on farming and finance — you'll find it all at the blue and white sign. Around the world, or right down the road, we're the company you can always turn to.



## YOUR NEW HOLLAND DEALER



expert, factory-trained service and genuine New Holland-branded parts to keep you working productively.

After all, you've placed your confidence in the best equipment, and you deserve the finest support — whether at the service counter or in the field.

Your New Holland dealer can tell you about smart ways to maximize cash flow, preserve working capital and protect what's important.

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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A GLOBAL LEADER IN AGRICULTURAL AND CONSTRUCTION EQUIPMENT AND FINANCIAL SERVICES.

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.



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.

