

CR SERIES TWIN ROTOR® COMBINES

CR6090 | CR7090 | CR8080 | CR8090 | CR9090





1975



1979



1984



1993



1997



1999

1975: New Holland was a rotary pioneer, introducing Twin Rotor® technology with the TR70 (145-168 hp). The face of harvesting was changed forever.

1979: The second generation of Twin Rotor combines included the TR75, TR85 and TR95 with a power increase to 155-225 hp.

1984: A bigger cab, improved visibility and S³ rotors characterized the TR76, TR86 and TR96 – the third-generation Twin Rotor machines welcomed by farmers.

1993: Almost a decade later, the TR87 and TR97 fourth-generation combines made their mark with more power for increased capacity.

1997: Simplified controls made harnessing even more power on the fifth-generation TR88 and TR98 combines more efficient and productive.

1999: Six generations down the line, higher grain-handling capacity and enhanced visibility were the hallmarks of the TR89 and TR99 model.

2002: A sleek seventh generation graced the world's fields with completely new styling, longer rotors, larger cab and the first self-leveling cleaning system on a rotary combine. The CR920, CR940, CR960 and CR970 models produced up to 370 hp.

2004: Twin Rotor combine production also begins in Zedelgem, Belgium, New Holland's Center of Harvesting Excellence.

2007: The CR9000 Series was the eighth generation and featured a whole host of productivity-boosting features including: up to 400-hp Tier 3 engines, 45-ft headers, 12-row cornheads and the IntelliView™ Plus II monitor for precision machine control and auto guidance functions.

2008: The CR9090 is officially the world's highest-capacity combine. It smashed the Guinness world harvesting record: officially harvesting 607 tons of wheat in under eight hours.

2010: New Holland celebrates its 35th anniversary for Twin Rotor combines. Production of the CR9060 for Latin America starts in Brazil.

HIGHER CAPACITY. MORE HIGH-QUALITY GRAIN. BETTER OPERATING EFFICIENCY.

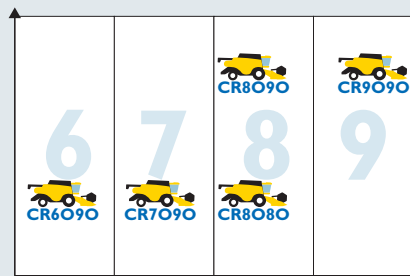
Introducing CR Series combines from New Holland. They continue the more than 35-year pure Twin Rotor® bloodline, offering superior multi-pass threshing and best-in-class grain and straw quality. You can also expect industry-leading stone protection, superior residue management flexibility and decreased operating costs. CR Series combines feature Tier 4A engines with New Holland's ECOBlue™ SCR technology that not only decrease emissions, they can decrease your fuel bills by up to 10%. New Holland has continued its unceasing quest for harvesting improvement, and the all-new, optional Dynamic Feed Roll, with integrated dynamic stone protection has improved capacity by up to 15%.

BUILT IN NEBRASKA

Twin Rotor® technology can trace its roots back to Lexington, Nebraska, where, in 1975 the very first combine to boast this, then-revolutionary technology, rolled off the production line. Now, over 35 years and nearly 40,000 combines later, after an unrelenting process of refinement and innovation, the ninth generation of Twin Rotor combines are carrying on this illustrious history. Built in Grand Island, Nebraska since 1986, Twin Rotor combines continue to offer farmers unbeatable performance and quality.

NEW FEATURES:

- DYNAMIC FEED ROLL: IMPROVES CAPACITY BY UP TO 15%
- NEW HIGH-INTENSITY LIGHT PACKAGE FOR TRUE, AROUND-THE-CLOCK HARVESTING
- SECOND-GENERATION CLEANING SHOE: UP TO 8% HIGHER CAPACITY IN CORN
- INCREASED GRAIN TANK CAPACITY: COMPATIBLE WITH WIDER HEADERS AND FASTER UNLOADING
- WIDER TIRE OFFERING: REDUCED COMPACTION AND ENHANCED TRACTION
- ENHANCED RESIDUE MANAGEMENT



EXACTLY WHAT IT SAYS ON THE SHIELDING

The performance of a CR Series combine is immediately obvious. How? By the model number on the side! The first digit of the model number, whether a 6, 7, 8 or 9, denotes the class of combine. The higher the number the more powerful the combine. The final two digits, either 80 or 90 indicate its position within the class. A higher number means a higher-capacity combine.

2011: The ninth generation of Twin Rotor combines is launched, featuring Tier 4A compliant ECOBlue™ SCR engines, improved capacity, as well as best-in-class grain and straw quality.

2012: CR Series combines are recognized as Machine of the Year 2012.

2013: The introduction of the Dynamic Feed Roll further improved in-field performance and grain quality.



**MACHINE
OF THE YEAR 2012**



LEADING FROM THE FRONT

New Holland knows that the harvesting process starts with the crop. How crop enters the machine determines the quality of your harvest, so New Holland offers the widest selection of heads in the business to harvest a vast array of crops. From small grain to grass and flower seeds, from rice to corn and beans, New Holland has the perfect match for high-capacity CR Series Twin Rotor® combines.



TERRAIN TRACER™

When harvesting on uneven ground, the Terrain Tracer™ system ensures you capture every grain of crop. The system automatically raises the head vertically and tilts the head laterally to follow the contours of your fields using one of three available modes:

- **Compensation Mode** is ideal for low-growing crops like peas and beans. This mode maintains a pre-established contact pressure
- **Stubble Height Mode** maintains a pre-set stubble height using sensors on the underside of the header
- **AutoFloat™ Mode** uses a combination of sensors to maintain a uniform stubble height, plus prevents bulldozing



740CF DIRECT-CUT SUPERFLEX CUTTERBAR AUGER HEADS: FLEXIBILITY FOR PRECISE HARVESTING EFFICIENCY

If you harvest in undulating terrain, the 740CF Direct-Cut SuperFlex auger head is the natural choice. The SuperFlex knife bed flexes a full 4.5 inches to ensure a close cut and uniform stubble height in uneven fields, and the full-floating auger with deep flights provides fast, smooth feeding in the heaviest crops. When combined with 1,150 cuts per minute and the cab-based, hydraulic, fore-and-aft reel adjustment, precise feeding and processing are a given. You can even maintain a pre-set ratio between reel speed and ground speed, so that when ground speed changes, feeding remains consistent.



FULLY INTEGRATED SIDE KNIVES

Optional 18-tooth vertical side knives are ideal to direct cut canola or other bushy crops. They slice through matted crops and are controlled through the IntelliView™ IV color touchscreen monitor. When not required, they can be stored on the header itself. The header floor remains closed in all knife positions—no need for filler plates or belt changes.



760CG VARIFEED™ GRAIN HEADS: ADAPT TO ALL TYPES OF CROP

For optimum harvest quality and a uniform cut in different crop heights, including tall, bushy, direct-cut canola, the Varifeed™ head is your perfect partner. You can adjust knife position a full 23 inches fore and aft from the cab for ideal feeding. The 26-inch diameter auger with deep flights provides fast, smooth feeding even in the heaviest crops. Full-width retracting fingers between each auger flight move crop down and under the auger. You can also adjust the reel electro-hydraulically in all directions from the cab for smooth, continuous feeding. These heads are available in 30- and 35-foot widths.



23 in.

Grain Auger Heads		CR6090	CR7090	CR8080	CR8090	CR9090
72C direct-cut rigid cutterbar auger cutting width	(ft)	25, 30	25, 30	25, 30	25, 30	25, 30
740CF direct-cut SuperFlex cutterbar auger cutting width	(ft)	20, 25, 30, 35	20, 25, 30, 35	20, 25, 30, 35	20, 25, 30, 35	20, 25, 30, 35
760CG Varifeed™ rigid cutterbar auger cutting width	(ft)	30, 35	30, 35	30, 35	30, 35	30, 35

HIGH-CAPACITY, SMOOTH-FEEDING HEADS

New Holland's broad line of combine heads continues with a choice of smooth-performing draper heads and windrow pickups. New Holland is dedicated to providing you with alternatives that maximize the capacity of your CR Series combine and bring your harvest home quickly and efficiently.

880CF SUPERFLEX CUTTERBAR DRAPER HEADS: ULTRA-CLOSE CUTTING AND MINIMUM LOSSES

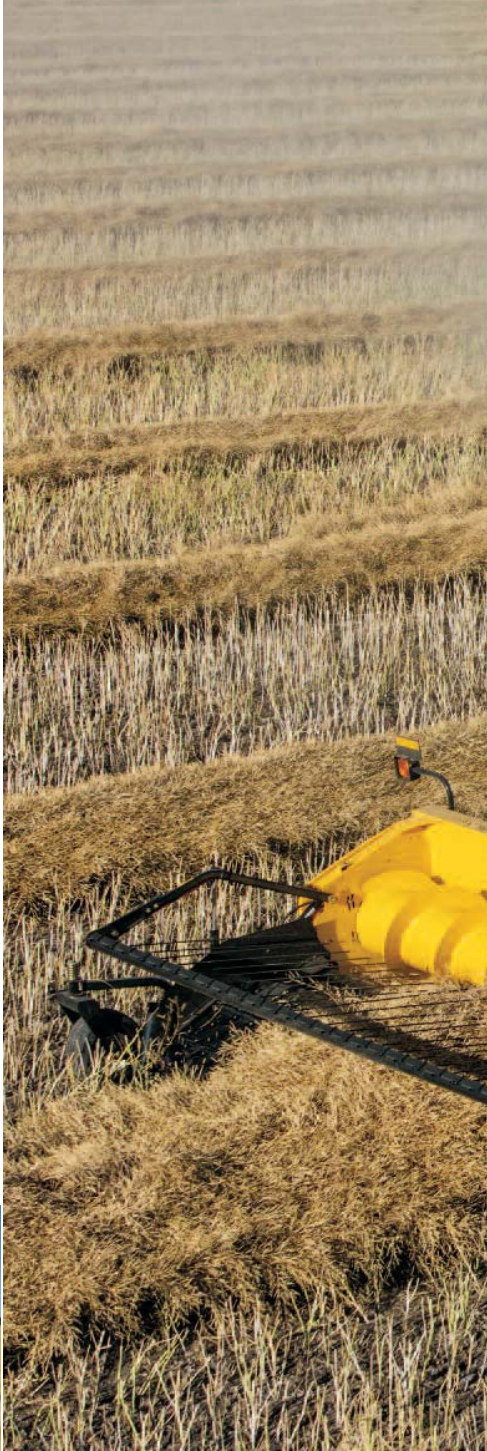
New Holland draper heads are designed with industry-leading features. The award-winning New Holland SynchroKnife™ drive is a patented center knife-drive system that revolutionizes the way a combine header cutterbar is driven. It eliminates header vibrations, and reduces overall header loss, putting more crop in the grain tank. This system works on the same basis as the two opposing knife drives, but eliminates the vibrations they can cause by keeping the opposing knives perfectly synchronized.



The drive also eliminates complex drivelines, reducing maintenance needs and saving power. Having the drive in the center of the head reduces the end shield width to minimize rundown of standing un-cut crop. The 880CF SuperFlex draper header provides ground-hugging flotation so farmers can harvest every bit of their valuable crop.

840CD RIGID DRAPER HEADS: ULTIMATE HARVESTING CAPACITY

The 840CD rigid draper head delivers outstanding performance in small grains and specialty crops such as rice. A six-bat New Holland-designed cam reel smoothly feeds crop to the cutterbar and draper belts, helping to reduce header loss.



Draper headers		CR6090	CR7090	CR8080	CR8090	CR9090
880CF SuperFlex cutterbar draper cutting width	(ft)	30, 35	30, 35, 40	30, 35, 40, 45	30, 35, 40, 45	30, 35, 40, 45
840CD Rigid draper cutting width	(ft)	25, 30, 35	25, 30, 35, 40	25, 30, 35, 40, 45	25, 30, 35, 40, 45	25, 30, 35, 40, 45



Pick-up headers		CR6090	CR7090	CR8080	CR8090	CR9090
790CP windrow pickup feeding width	(ft)	12, 15	12, 15	12, 15	12, 15	12, 15

790CP WINDROW PICKUP HEADS: A CLEAN FIELD IS A NEW HOLLAND FIELD

Ideal for small grain and specialty crops, such as canola and grass seed, the 790CP features standard rear and optional front windguards to ensure even crop flow into the combine. The picking belt gently and efficiently transfers the crop onto the slatted transfer belt. This positive pickup action ensures continued harvesting productivity even in rained down or sprouting crops. A seed dam is an integrated part of the design—not a rubber add-on—and is located between the rear transfer belt roller and the floor, preventing losses to collect all the grain you pick.



A PERFECT MATCH FOR CORN

New Holland's corn head line-up is engineered to perfectly match CR Series combines. After enduring extensive field testing, the all-new 980 Series corn heads—both rigid and folding versions—are proven to deliver improved harvesting productivity and reliability. Like combine. Like corn head.



MODERN CORN HEADS FOR MODERN CORN FARMING

New Holland's new, 980 Series corn heads have been redesigned to deliver superior gathering and feeding performance, so operators can work at increased ground speed and finish faster.

Dividers and islands on these corn heads are designed for optimal performance. The dividers guide corn stalks into the stalk rolls. The islands ensure that cobs fall into the auger and not onto the ground. The new, low-profile design of the dividers and islands reduces the chance of knocking down corn in terraces and during tight turns. It also exposes the front gathering chain sprocket, dramatically improving performance when picking downed corn. New end dividers not only improve accessibility and maintenance, they are also designed to minimize header losses in all crop conditions.

Dividers are now made with roto-molded material for rugged durability. This material withstands harsh treatment and bounces back to its original shape. The plastic has grooves that direct loose corn kernels to the front of the combine. Replaceable wear strips are included in the high-wear areas of the points and islands.

A single, heavy-duty row unit (used on both chopping and non-chopping corn head configurations) substantially improves the durability of the header, while the increased reliability of driveline components leads to less downtime and higher operating efficiency.



CORNROWER™ CHOPPING CORN HEAD ATTACHMENT

Add the Cornrower™ attachment to any 980 Series or 99C chopping corn head and you can pick, chop and windrow in one swift motion, saving time and fuel, and reducing field compaction. This minimal-maintenance attachment reduces the number of passes through the field without affecting combine performance. The Cornrower™ gives you precise control of the amount of residue left while increasing baler intake capacity and keeping dirt out of the bale. Attachment is easy, with no need for modification to the head.



CORNROWER™ FOR EFFICIENT BALING

The New Holland Cornrower fits perfectly behind the corn head, to ensure that one uniform and dense swath of corn stover is produced to assist with efficient baling. Perfect for second-generation bioethanol producers.

FOLDING OR RIGID: THE CHOICE IS YOURS

Frames of 980 Series corn heads are available in both rigid and folding configurations. The folding frame of the 12-row 980CF allows you to fold the head from inside the combine, drive to the next field, unfold the header from the comfort of the cab, then continue the harvest. Folded width is 16.2 feet. One operator alone can do it, with no trailer, no tow vehicle, and no need to get out of the seat; that's New Holland Smart!

A large yellow New Holland 980 Series corn head is shown in a field, harvesting corn. The machine is positioned in the center of the frame, moving from left to right. The corn stalks are tall and green, with some showing signs of being harvested. The sky is blue with some light clouds.

Corn heads		CR6090	CR7090	CR8080	CR8090	CR9090
980CR corn head, 30" row spacing	rows	6, 8	6, 8, 12	6, 8, 12	6, 8, 12	6, 8, 12
, 36" row spacing	rows	6, 8	6, 8	6, 8	6, 8	6, 8
, 38" row spacing	rows	8	8	8	8	8
980CF folding corn head, 30" rows	rows			12	12	12

BEST-IN-CLASS STALK CHOPPING

For fine chopping and superb spreading of mulched material, all 980 Series corn heads can be ordered with an optional heavy-duty stalk chopper. The stalk chopper chops the stalks as they are fed through the stalk rolls, and cut any long stalks left in the rows. The knives are double edged for an increased working life. Each stalk chopper can be individually shut off to save power and increase part life when not in use. Customers agree: New Holland truly offers a 'best-in-class' solution.

A close-up view of the stalk chopper mechanism on a New Holland corn head. The image shows the heavy-duty knives and the stalk rolls, which are designed to chop the stalks efficiently. The mechanism is yellow and black, and the text "NEW HOLLAND" is visible on the side.

DEPENDABLE OPERATION

Regardless of size, New Holland corn heads are designed for top harvesting performance in all crop conditions. The stalk rolls feature four knives that aggressively pull down stalks of any size. Operators can adjust deck plates electronically from the cab to adapt to changing stalk and cob size. Optional rotary dividers further enhance the already smooth crop intake in lodged or downed corn.

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A large yellow New Holland 980 Series corn head is shown in a field, harvesting corn. The machine is positioned in the center of the frame, moving from left to right. It has a large black auger at the front and a long black discharge chute at the back. The corn stalks are being cut and are falling behind the machine. The sky is blue with some clouds.

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A close-up view of the stalk chopper mechanism on a New Holland corn head. The image shows the heavy-duty metal components, including the stalk rolls and the double-edged knives that chop the stalks. The machine is yellow and is shown in a field of corn.

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A close-up view of the stalk chopper mechanism on a New Holland corn head. The image shows the heavy-duty metal components, including the stalk rolls and the double-edged knives that chop the stalks. The mechanism is yellow and black, and is shown in operation, with stalks being fed through it.

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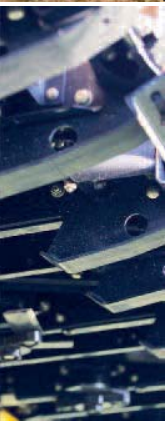
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ENHANCED PROTECTION FOR IMPROVED EFFICIENCY

The CR's feeding system has been significantly upgraded to enhance its already highly efficient operation. The feeder now features four chains with connecting slats on the CR8090 and CR9090 models for improved crop flow and even smoother feeding into the Twin Rotors. The CR line benefits from an improved header lift capacity for ultimate productivity when working with the very largest heads and you can choose between the Advanced Stone Protection system or the optional, Dynamic Feed Roll™ system, which both ensure the threshing mechanism is always fully protected.



ADVANCED STONE PROTECTION SYSTEM

The unique Automatic Stone Protection System (ASP) uses a detection sensor located under the closed lower drum of the straw elevator. The full-width ejection door opens to allow the stones to escape easily. It requires minimum operator input. An alarm and message appears on the IntelliView™ IV monitor to alert you that the door is open. To continue harvesting, simply reverse and raise the feeder to close the door. The ASP system detects stones, with minimum false detection and without mechanical parts to impede crop flow. And, it ensures an unobstructed flow of crop from the feeder to the rotors for enhanced grain and straw quality, increased capacity, and of course, the protection of internal components.



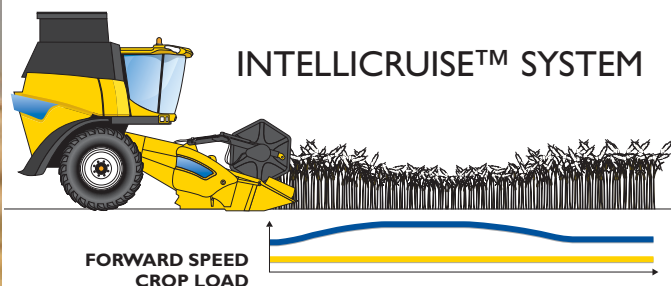
DYNAMIC FEED ROLL™ SYSTEM

This on-the-go mechanical system delivers maximum feeding efficiency and stone detection effectiveness in extremely stony conditions. It improves capacity of your CR combine by up to 15%. Dynamic Stone Protection utilizes a Dynamic Feed Roll, located at the top of the feeder housing, to simultaneously speed up the crop for smoother, streamlined feeding, and automatically directs stones into a dedicated trap. The Dynamic Feed Roll, available on all models, improves feeder performance by up to 10% thanks to greater throughput. Furthermore, this on-the-go system means you can keep harvesting on stony ground without the need to stop. Simply empty the stone trap module during routine maintenance.



REVERSE OUT SLUGS

New Holland's unique header/reverser system allows you to reverse-out slugs and slowly feed material back into the combine. Simply disengage the header/feeder drive, flip a rocker switch on the right-hand console and use the "+" and "-" buttons on the multi-function handle to operate the feeder in forward and reverse directions.



INTELLICRUISE™ SYSTEM

INTELLICRUISE™ SMOOTHNESS

The IntelliCruise™ automatic crop-feeding system automatically matches the forward speed to crop load. A sensor on the feeder driveline continually monitors the demand placed on the head. In areas with lighter crop, forward speed automatically increases to guarantee your CR Series combine works at full capacity.



INDUSTRY-LEADING GRAIN QUALITY

New Holland invented the Twin Rotor® concept almost 40 years ago and has refined this evolving technology so that it delivers unmatched efficiency, capacity and grain quality. It's also a design that is extremely flexible, making it easy to match a CR Series combine to various crops, conditions, and operations. New Holland also knows that no two farms are alike, so two different types and sizes of rotor have been developed to match farmer's specific needs. The 17-inch rotors are used on CR6090, CR7090 and CR8080 models, whereas CR8090 and CR9090 are equipped with high-capacity 22-inch rotors.

MORE CENTRIFUGAL FORCE

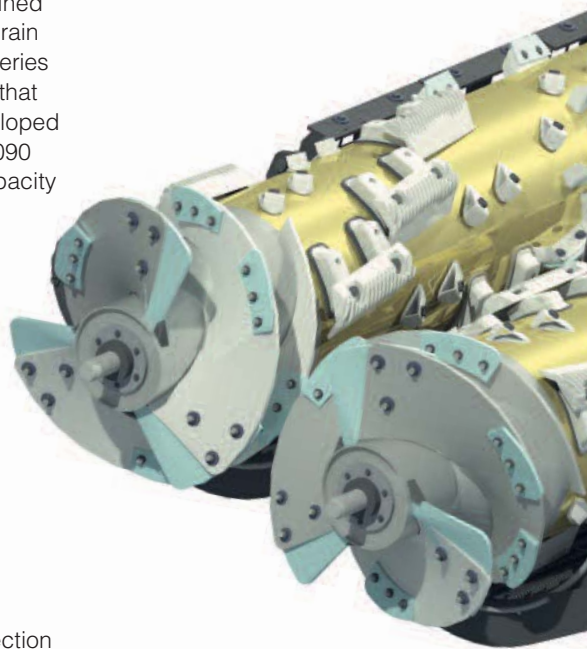
Twin Rotors generate 36% to 40% more centrifugal force than any other rotary design, moving the grain quickly for faster separation and maximum throughput. This faster separation virtually eliminates grain damage and loss.

GENTLE THRESHING, HIGHER QUALITY

A high level of grain-on-grain rubbing action releases grain quickly and gently—before it comes in contact with metal threshing components. This ensures gentle threshing with minimal damage; the Twin Rotor system delivers outstanding grain quality.

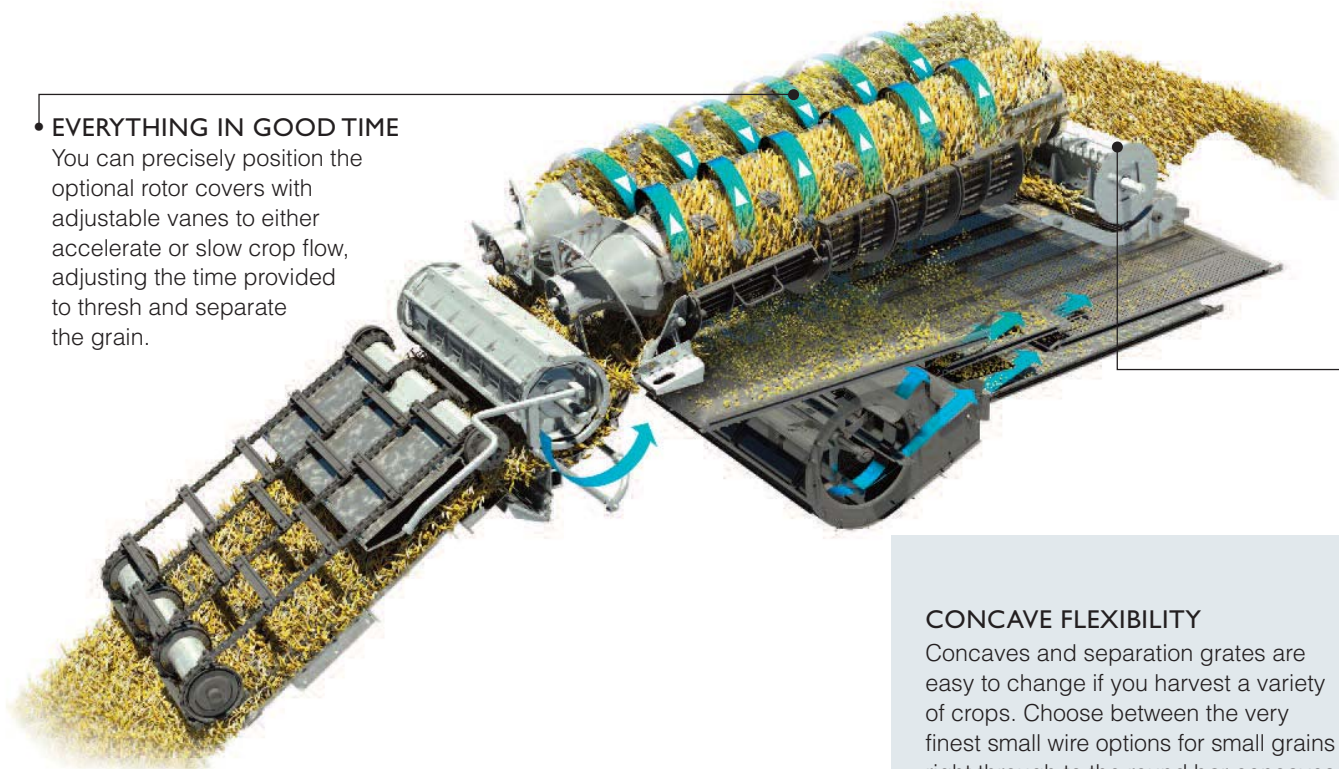
ENHANCED PRODUCTIVITY WITH DYNAMIC FEED ROLL

The addition of the optional Dynamic Feed Roll, part of the Dynamic Stone Protection system, which is located in front of the rotors, simultaneously speeds up the crop, for smoother, streamlined feeding, and automatically directs stones into a dedicated trap. The additional roll, available on all models, improves feeder performance by up to 10%-15% thanks to greater throughput.



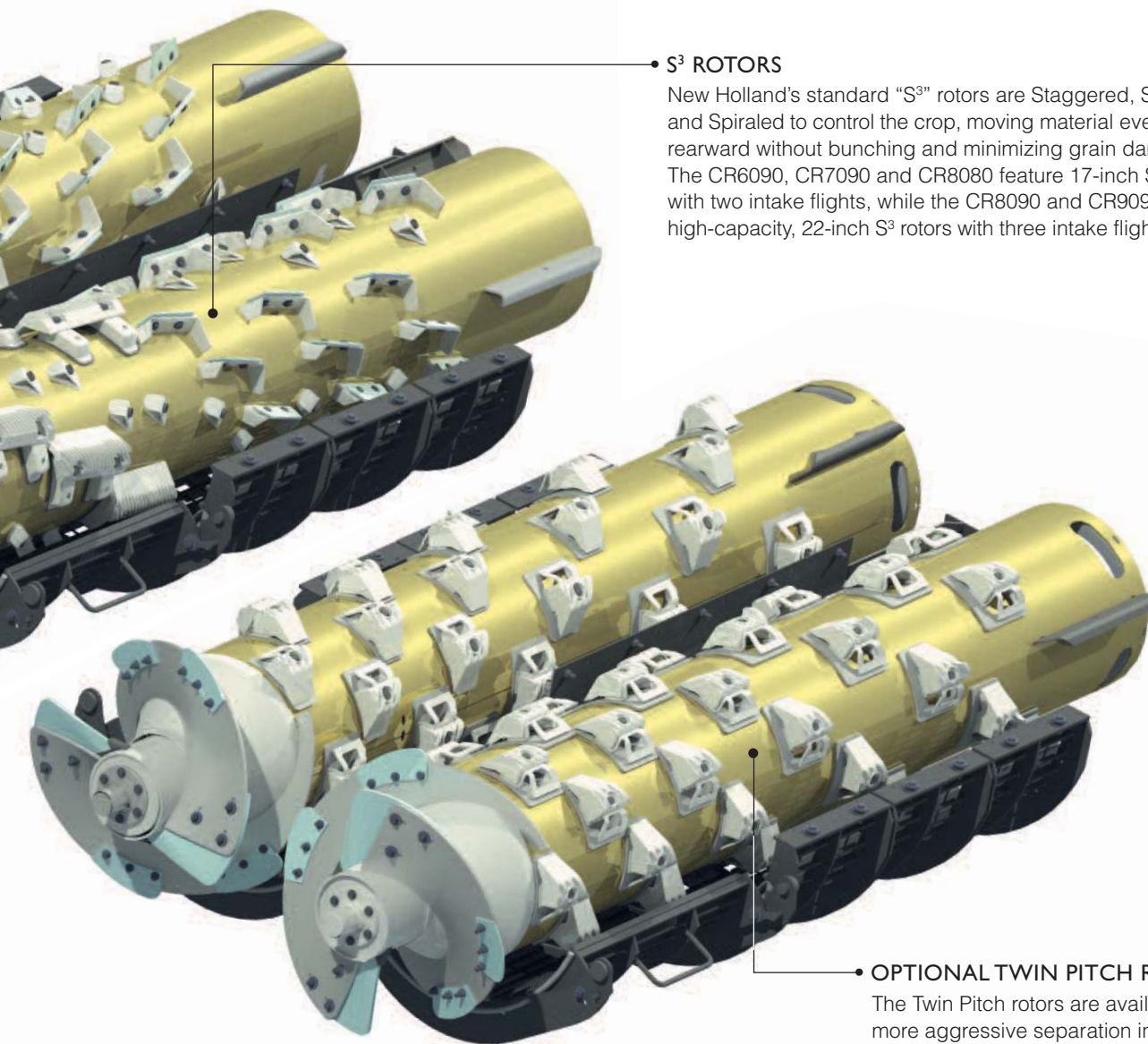
EVERYTHING IN GOOD TIME

You can precisely position the optional rotor covers with adjustable vanes to either accelerate or slow crop flow, adjusting the time provided to thresh and separate the grain.



CONCAVE FLEXIBILITY

Concaves and separation grates are easy to change if you harvest a variety of crops. Choose between the very finest small wire options for small grains right through to the round bar concaves and grates for corn and soybeans.



• S³ ROTORS

New Holland's standard "S³" rotors are Staggered, Segmented and Spiraled to control the crop, moving material evenly rearward without bunching and minimizing grain damage. The CR6090, CR7090 and CR8080 feature 17-inch S³ rotors with two intake flights, while the CR8090 and CR9090 feature high-capacity, 22-inch S³ rotors with three intake flights.

• OPTIONAL TWIN PITCH ROTORS

The Twin Pitch rotors are available for more aggressive separation in difficult harvesting conditions where they can lead up to a 10% increase in capacity. They are available in rice configuration on the whole line of CR combines and small grain on CR8090 and CR9090.

• STRAW PROCESSING

When the straw reaches the end of the rotors, the 15.7-inch-diameter straw flow beater moves and accelerates the straw to the rear of the combine.



THE PERFECT MATCH WHATEVER YOUR CROP

A full range of accessories allows you to customize your CR Series combines for your specific needs, including rasp bars, agitation pins, separating wedges, as well as concaves and separator grates.



THE CLEANEST GRAIN SAMPLE

The CR Series combines deliver the industry's cleanest grain sample, hands down. How? It's the world's most advanced cleaning system.

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. 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. A long sieve stroke and steep throwing angle keep more material airborne for even greater cleaning efficiency.



AGGRESSIVE SHAKE FOR A BETTER QUALITY GRAIN SAMPLE

The aggressive shake system significantly enhances cleaning and throughput. This advanced system improves the transition between the cleaning shoe and the grain elevator and can manage high volumes of grain with ease. Throughput of up to 5,500 bushels per hour is effectively cleaned and processed and a 10% performance increase in high-yielding corn is possible.

THE CLEANEST GRAIN FOR THE HIGHEST REWARDS

With a total area under wind control of 10,075 square inches on the CR8090 and CR9090, and 8,370 square inches on the CR6090, CR7090 and CR8080, the CR Series cleaning system efficiently handles huge grain volumes. The Aggressive Shake shoe matches the high throughput by optimizing the stroke and throwing angles of each of the main components. Select from two sieve positions—a throw angle of 26° for small grain and 36° for corn crops, with a shake angle that can be tailored to suit your individual crop.



PRECISION AIRFLOW

The unique CR Series fan design generates the largest air volume at a constant pressure. The fan has two dedicated openings to direct powerful airstreams to the pre-sieve and the top and bottom sieves for optimum cleaning performance.



NEUTRALIZE SIDE SLOPES OF UP TO 15%

The self-leveling cleaning system is incredibly efficient on flat ground, and maintains this efficiency on slopes up to 15% and also prevents grain banking on headland turns to reduce grain losses. The entire cleaning system—the grain pan, cleaning fan and sieves—remains level while the lower main frame follows the ground contours. CR Series combines operate at full capacity on hillsides, corners and terraces.

ADJUST YOUR SIEVES FROM YOUR SEAT

In changing crop conditions, you can adjust the sieves from the comfort of the cab. Open the sieve in heavier crops or reduce the sieve opening in lighter crops to prevent losses and improve efficiency.

AUTOMATIC CROP SETTINGS

To reduce set-up time between crops or when working in varying crop conditions, CR Series combines “remember” up to 50 crop-specific settings for you with push-button Automatic Crop Settings (ACS). Select from pre-installed settings, or program two harvest parameters for each crop, including reel speed and position, rotor speed and concave setting, sieve opening and cleaning fan speed. Just recall these on the IntelliView™ IV monitor when required.

HIGH-VOLUME GRAIN MANAGEMENT

MORE GRAIN HOLDING CAPACITY

CR series combine grain tanks have been enlarged by up to 18%, with the largest tank holding up to 410 bushels with manually foldable extensions—the perfect match for high Twin Rotor® capacity. This larger tank capacity requires less frequent unloading to significantly enhance harvesting productivity. Furthermore, unloading times have been maintained thanks to an increased unloading speed: unloading rates of up to 4 bu./second mean a full 410-bushel tank can be emptied in around 100 seconds. The length of the unloading auger has been enlarged to match the performance of the new generation of CR combines and widest heads.

Grain Tank		CR6090	CR7090	CR8080	CR8090	CR9090
Electronically folding covers capacity	(bu)	326	326	326	–	–
Manually Folding Fixed covers capacity	(bu)	315	315	315	410	410





KEEP AN EYE ON YOUR GRAIN

While the CR Series sets a new industry standard for grain quality, the huge 36- x 22-inch viewing window makes it easy to keep an eye on your grain just the same. Simply glance over your shoulder to keep an eye on grain tank level, or refer to the IntelliView™ IV monitor. If you want to take things a step further, a grain sample flap on the outer operator platform allows you to take a physical sample.



ROBUST OPTION FOR ABRASIVE CROPS

For prolonged operation in abrasive crops such as rice, CR Series models can be specified with "abrasive-resistant options." The rotor covers, grain elevator, bubble-up auger and unloading auger are manufactured in heavy-duty materials to withstand prolonged operation in such crops.

FLEXIBLE RESIDUE MANAGEMENT

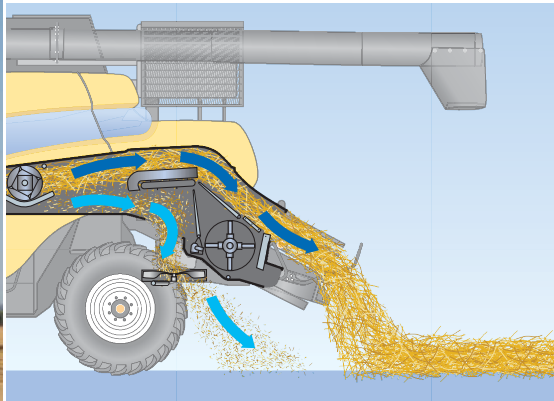
New Holland's complete residue management system allows you to switch between chopping and dropping with a flip of a lever, without tools.



OPTI-SPREAD™ STRAW MANAGEMENT SYSTEM

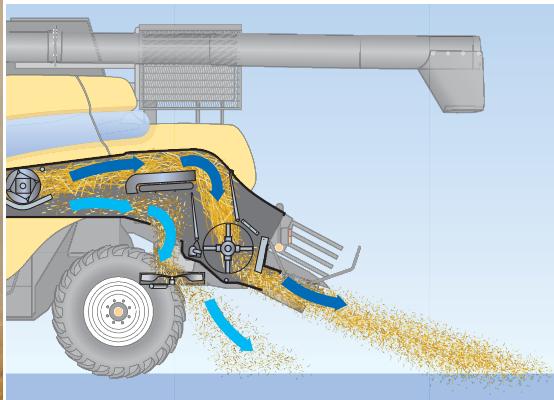
The powerful new Opti-Spread™ system option, mounted behind the straw chopper, uses two spinning rotors and two adjustable deflectors to evenly distribute chopped straw across the full header width. It meets a wide range of spreading width requirements simply by opening and closing the deflectors. Adjusting the deflectors also controls evenness of spread and neutralizes the effects of side winds or sloping ground. The system includes automatic memory of deflector position to both right and left. You control the system using three convenient in-cab controls. This system has been further enhanced with the addition of Dual Chop technology. All residue passes through a dedicated rake to ensure a superfine chop of all material.





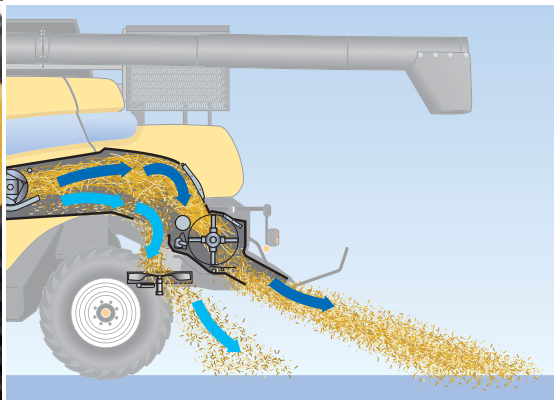
STRAW IDEAL FOR BALING

CR Series combine straw is perfect for baling. Twin Rotor® technology offers perfect in-line crop flow, and eliminates the need for aggressive changes in speed and direction. As a result, the straw structure is maintained and breakages are minimal, even when working at the highest outputs. This makes the straw perfect for baling. The deluxe residue management system with PSD™ Positive Straw Discharge provides complete control of chaff and swath, easily changing from chopping to swathing. Use the twin-disc chaff spreader to spread chaff or direct it onto the ground, under the straw to be baled.



CHOP FINE, SPREAD WIDE.

New Holland straw choppers are the perfect match for CR Series combine performance, featuring four rows of knives with wind blades installed at the outer edges of the rotor for high spreading capacity. The high, 3500-rpm rotor speed ensures fine chopping and wide spreading of even the heaviest crops.



TRADITIONAL STRAW CHOPPING AND SPREADING

For corn customers who are looking for traditional simplicity, the standard residue management system is an economical and robust solution that guarantees output.

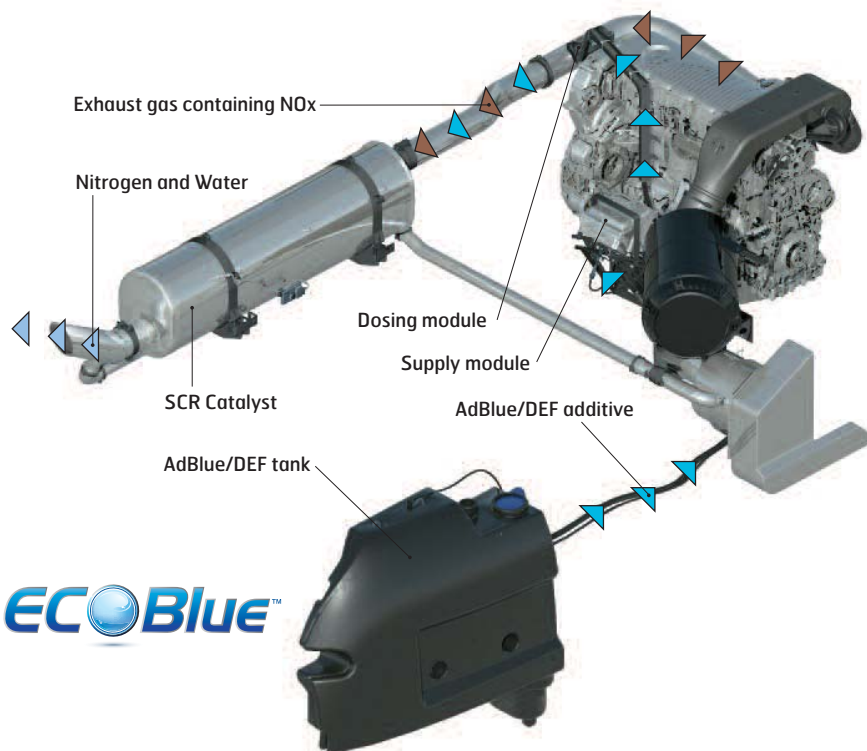
CLEAN PERFORMANCE FOR YOUR FARM

CR Series combines benefit from the clean power and performance of FPT Industrial Cursor 9, 10 and 13 engines with ECOBlue™ SCR technology for Tier 4A-compliance. New Holland continues as the Clean Energy Leader, committed to making agriculture more efficient while respecting the environment. Respect for you, your farm, your future.



THE ECOBLUE ADVANTAGE: BREATHABILITY

By using ECOBlue technology with Selective Catalytic Reduction (SCR) and DEF/AdBlue® after treatment, the nitrogen oxides in exhaust gas are converted to harmless water and nitrogen. This treatment is separate from the air intake which means an SCR engine “breathes” only clean fresh air, ensuring optimal combustion conditions.

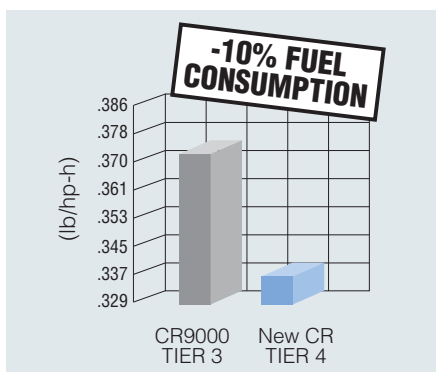


COOLER IS BETTER

CR Series Tier 4 ECOBlue SCR engines run much cooler than previous Tier 3 engines, allowing for better fuel economy, and in some models, increased power.

MORE MONEY IN YOUR POCKET

The engines powering new CR Series combines are not only helping to save the environment, they help to save you a nice chunk of change, too—up to 10% savings in fuel! During transport, engines can run at a low 1600 rpm. Reduced engine rpm at idle helps reduce fuel consumption, too. Moreover, a 25-mph transport speed, which is available across the entire range, saves fuel and cuts transport time and enables operators to maximize optimal harvesting windows by minimizing productivity-impacting transport time.



Models	CR6090	CR7090	CR8080	CR8090	CR9090
Engine* compliant with Tier 4A emissions regulations	FPT Cursor 9*	FPT Cursor 9*	FPT Cursor 10*	FPT Cursor 10*	FPT Cursor 13*
Capacity in³ (l)	531 (8.7)	531 (8.7)	628 (10.3)	628 (10.3)	787 (12.9)
ECOBlue™ SCR system (Selective Catalytic Reduction)	●	●	●	●	●
Injection system	Common Rail	Common Rail	Unit injectors	Unit injectors	Unit injectors
Gross engine power @2100 rpm - ISO TR14396-ECE R120, hp (kW), CV	360 (265)	408 (300)	449 (330)	449 (330)	530 (390)
Max. engine power @2000 rpm - ISO TR14396-ECE R120, hp (kW) CV	401 (295)	449 (330)	490 (360)	490 (360)	571 (420)
Approved biodiesel blend**	B20	B20	B20	B20	B20

● Standard * Developed by FPT Industrial

** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines



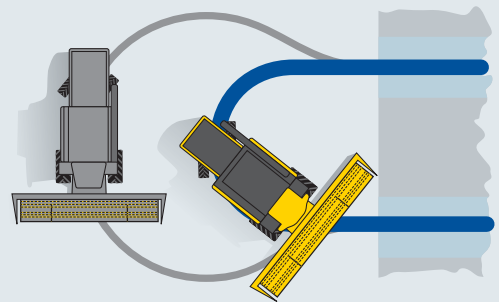
POWER-SAVING DRIVELINES

Proven, direct drivelines and the four-speed hydrostatic transmission give you the reliability you appreciate. Simple, efficient positorque variators mean more power for harvesting compared to heavy power-sapping CVT alternatives used by many competitive-brand combines.



VAST TIRE OFFERING

Select from a wide range of traction and steering tires to suit your individual needs from the narrowest 800/65 R32 to negotiate narrow gates up to the largest 900/60/R38 tires which can reduce compaction by up to 35%. Dual 520/85 R42 or 620/70 R42 traction tires are also available to further reduce compaction.

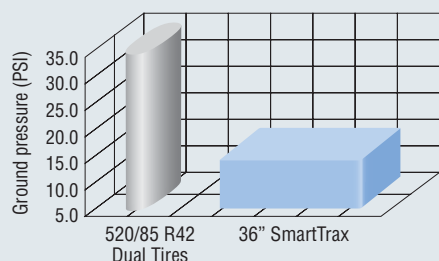


SUPER-TIGHT TURNING

The compact CR Series design and impressive 50° steering angle give it a turning circle of under 46 feet. This means tighter headland turns for improved straw quality, and less time turning and more time harvesting.

SMARTTRAX™ REDUCES COMPACTION AND CUSHIONS YOUR RIDE.

Order a CR Series combine factory-equipped with SmartTrax™ rubber tracks, and you not only get superior traction in damp and muddy conditions, you also get decreased soil compaction to enhance soil fertility. SmartTrax rubber tracks offer 60% less soil compaction compared to 520/85R42 duals. Yet you get a turning radius that's comparable to a 900/60R32 single-wheeled machine. With +/- 10-degree oscillation, SmartTrax move easily over levees, swales and ditches to keep you moving in uneven terrain.



A TRACK TO SUIT YOUR NEEDS

The SmartTrax option is available in 36-inch width. For those working in demanding conditions, SmartTrax rubber tracks offer your operation numerous benefits including enhanced stability, a 100% increase in contact area when compared to tires, all while maintaining maneuverability.

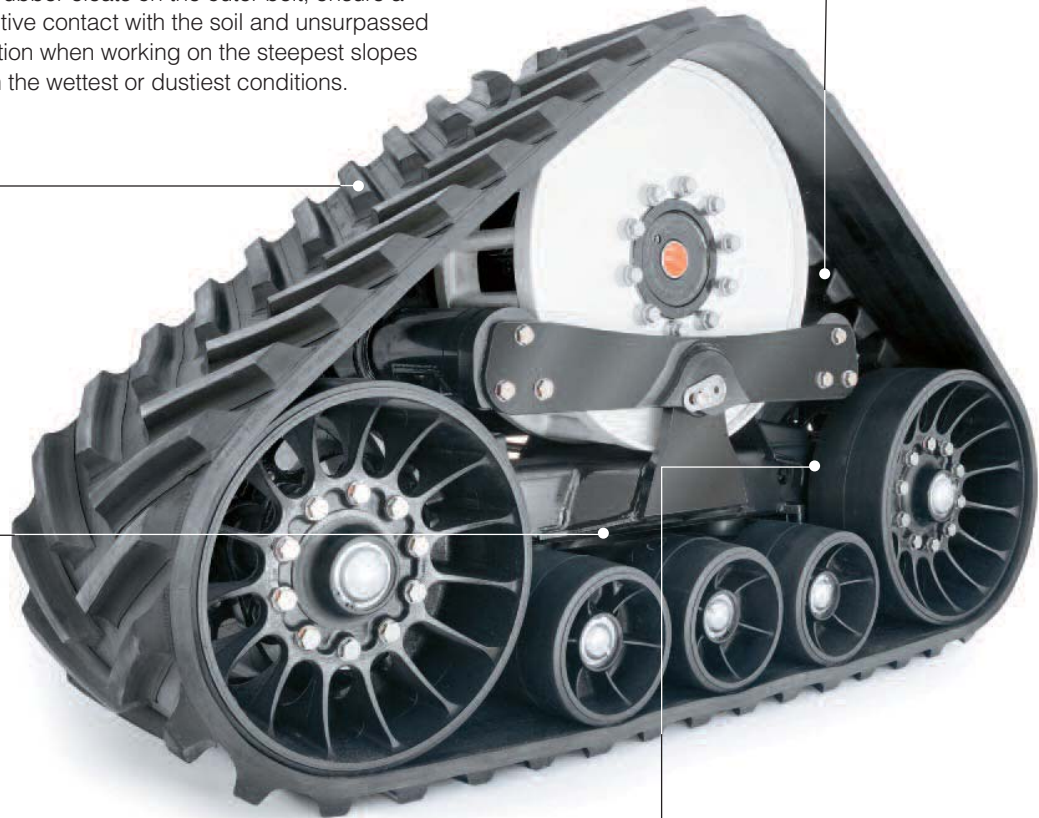


• TRACTION WITHOUT QUESTION

The SmartTrax triangular design, together with the rubber cleats on the outer belt, ensure a positive contact with the soil and unsurpassed traction when working on the steepest slopes or in the wettest or dustiest conditions.

• POSITIVE, EFFICIENT DRIVE

The positive lugs on the inner side of the tracks maintain physical contact with the drive wheel for the ultimate in efficient power transmission.

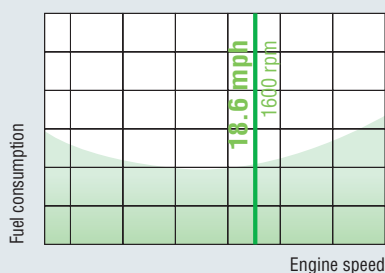


• GLIDE OVER THE FIELD IN ABSOLUTE COMFORT

Why complicate matters? Simplicity is always the best policy. The SmartTrax option features an integrated rubber block suspension system which significantly reduces vibration when compared to a traditional fixed track system. It offers tried and tested, reliable comfort during even the longest harvesting days and in road transport situations. Ride quality is further improved by the three central independent rollers which move in conjunction with the terrain to cushion the operator from even the harshest shocks.

• AUTOMATIC TRACK ADJUSTMENT

Tracks are tensioned automatically when you raise the head to full height or swing the unloading auger out or in—how's that for convenience? The continuous heavy-duty tensioning system maintains correct track tension for ideal traction. And, this tensioning system is completely separate from the drive wheel for ultimate simplicity and reliability. Another time-saving feature: no daily grease zerks to maintain.



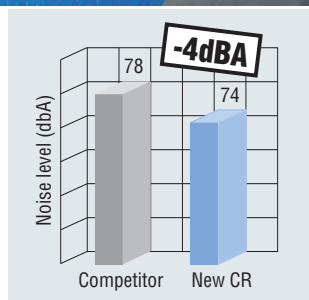
HIGH ROAD SPEED, LOW OPERATING COST

Low 1600 engine rpm combined with a high road speed of 19 mph minimizes the time lost travelling between fields. Fuel economy is further enhanced by the super-low rolling resistance, which offers significant savings over competitor solutions.

BETTER COMFORT AND BETTER PRODUCTIVITY

YOUR FIELD OFFICE

The Harvest Suite™ cab leads the industry in size and windshield area, providing more comfort, better visibility and superior harvest control.



360° PANORAMIC VIEW

The Harvest Suite cab's wide curved window offers a perfect view of the entire head and unloading spout. Four electric rearview mirrors (two are heated) can be positioned electronically from inside the cab so you can see in all directions. The new IntelliView™ IV monitor manages up to three viewing cameras, so they can be like the eyes in the back of your head when unloading, reversing or checking the grain tank.

BIGGEST AND QUIETEST

The CR Series Harvest Suite cab offers 110 cubic feet of space—more than its nearest rival—with more usable room in all directions, including headroom, legroom and space behind the seat. And you can enjoy all that space in the peace and quiet of the near silent 74-dB(A) level.

ARE YOU SITTING COMFORTABLY?

The operator and full-size instructor seat feature deep cushions and extended fore-aft adjustment for ultimate comfort during long harvesting days. An optional, heated full leather seat adds a touch of luxury.



BRIGHT LIGHTS FOR DARK NIGHTS

The CR has over 55% more light in front of the combine thanks to the most comprehensive combine lighting package to date, to fully light the header and the field ahead. Additional rear lights enable operators to monitor residue, and two lights located on the side panel illuminate the rear axle to prevent running over standing crop and to assist when maneuvering. You can also get off of your combine in complete safety thanks to the entrance light which remains on for 30 seconds after you've switched the combine off.

STAY REFRESHED ON THE HOTTEST DAYS

During long hot harvesting days, the standard built-in cool box means a refreshing drink is only an arm's length away. The Automatic Temperature Control (ATC) system comes as standard equipment and automatically adjusts fan speed to guarantee accurate temperature to within one degree. The Harvest Suite cab is definitely the coolest place to be.



MAXIMIZING YOUR PERFORMANCE

Intelligent and intuitive automation saves time and enhances harvesting performance. Precise control of CR Series combines is at your fingertips. The adjustable control console to your right gives you access to all cutting, feeding, threshing, separating and cleaning system controls. An adjustable, in-line, multi-function handle gives you ready control of the hydrostatic drive, header, reel, unloading auger swing and engagement, as well as an emergency stop control. Programmable push-button crop settings allow quick, easy movement from one crop to another. The electronic four-speed transmission makes shifting as easy as turning a dial.

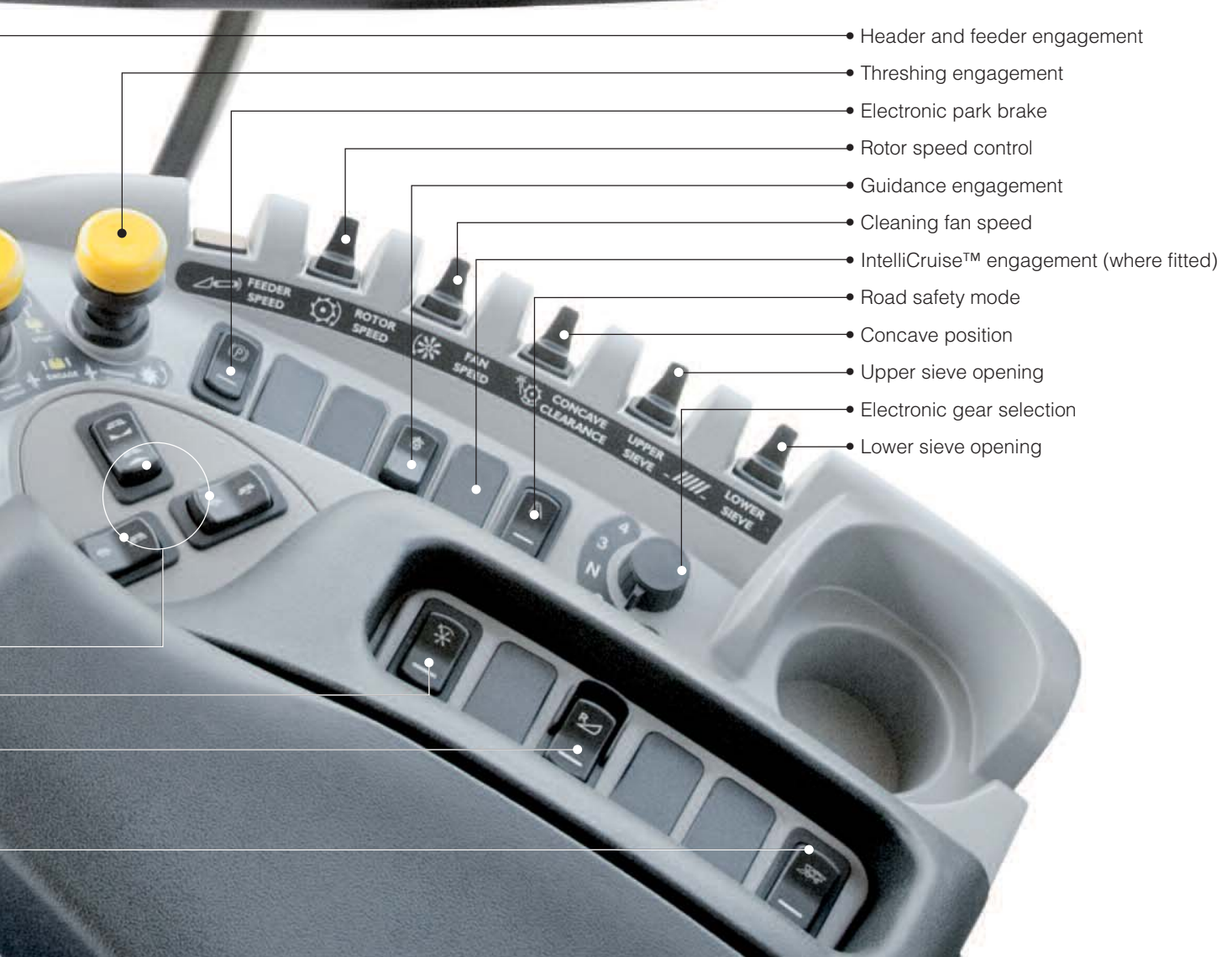
- Unloading auger position
Unloading auger engagement
- Emergency Stop (Header and Unloading)
- Two-speed header lift, lowering system
and header lateral movement
- Automatic header height activation
- Reel position, or corn head stalk roll deck plate position
and flip-up corn head or Varifeed™ knife position (plus
shift button)
- Reel speed and header reverser direction control
- Shift button and ground speed unlock (behind)
- Engine speed
- Automatic header height control modes
- Header width correction
- Opti-Spread™ control
- Reel speed synchronization
- Header reverse activation
- Automatic Crop Settings switch





WIDE-SCREEN HARVESTING

The standard, extra-wide IntelliView™ IV color touchscreen display monitors all combine functions and allows you to monitor a wide variety of performance information at a glance. It's conveniently mounted on the right-hand armrest, and each operator can position the monitor exactly where they like for ideal viewing. The display offers direct USB connectivity for data collection and can display images from up to three camera inputs.



GUIDANCE SYSTEMS TO MATCH YOUR NEEDS WITH PRECISION THAT PAYS

CR Series combines are engineered with precision farming as an integral part of their design. New Holland Precision Land Management (PLM) solutions give you the information you need to maximize crop production and equipment performance. New Holland PLM equipment can be factory- or field-installed on your new CR Series combine to match your precision farming needs.



INTELLIVIEW™ IV: VISIBLE INTELLIGENCE

Use the standard IntelliView™ IV monitor to set up the optional IntelliSteer™ auto guidance system. You can program a variety of guidance paths, from straight A-B runs to complex adaptive curves. You can also personalize your settings and transfer information from your combine, direct to your precision farming software package.



INTEGRATED CONTROL SYSTEMS

The IntelliSteer™ system uses built-in T3 terrain-compensated correction signals to keep the Navigation Controller II informed of the combine's orientation (roll, pitch, yaw). An integrated control valve in the hydraulic system converts the signals from the Navigation Controller II into movements of the steering system.



NH 372 RECEIVER

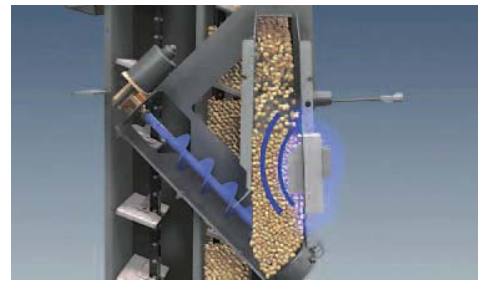
The New Holland 372 antenna receives both DGPS and GLONASS signals and is fully compatible with EGNOS, OmniSTAR, or RTK correction. For RTK applications, a slim-profile radio is mounted underneath the receiver. The antenna is positioned on the top of the grain tank to improve signal reception and enhance operation.

FULLY INTEGRATED INTELLISTEER™ AUTO GUIDANCE

You can order any CR Series combine direct from the factory with the IntelliSteer™ auto guidance package. The IntelliSteer system is an integral part of the combine's steering system and uses DGPS or RTK to help ensure parallel pass-to-pass accuracy as precise as ± 1 inch. IntelliSteer benefits include less operator fatigue and full, more effective use of header cutting width, which leads to higher capacity every day.

CORN GUIDANCE

Corn heads are available with automatic row guidance to keep your CR Series combine perfectly on the row. Two sensors continuously monitor the position of the crop entering the head, and automatically guide the combine to ensure true perpendicular entry—even in poor visibility or at high speeds. The system can also be linked to a GPS positioning system, which can distinguish between cut and uncut rows, for night harvesting and advanced harvesting activities such as skip row functionality.



REAL-TIME MOISTURE SENSING

New Holland's moisture sensor measures grain moisture in real time. It takes samples every 30 seconds and sends the data to the IntelliView™ IV monitor. The operator is kept continually informed and can adapt machine parameters accordingly.



BEST-IN-CLASS YIELD SENSOR

New Holland's exclusive, patented, high-accuracy yield sensor is generally recognized as best in class. Its design neutralizes the rubbing effect of grain. Whatever the kind, the variety or the moisture content of the kernel, the sensor generates an extremely accurate yield measurement. And, calibration is performed just once a season*, and the system then automatically adapts to changing crops and conditions. You get hands-off operation for ultimate harvesting simplicity.

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



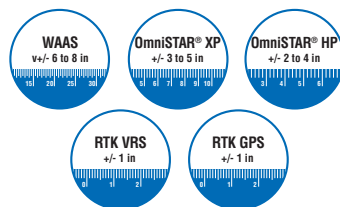
PRECISION FARMING SOFTWARE

New Holland offers a variety of precision farming packages that allow you to map and analyze the field data recorded in real time by your CR Series combine, so you can tailor your inputs to reduce costs and maximize yields. Information is stored on the complementary 4GB USB memory stick, which is large enough to record data from 1,500 to 1,750 acres.



RTK BASE STATION

For the highest degree of accuracy, use an RTK base station that broadcasts a correction signal that allows you to achieve a pass-to-pass accuracy of ± 1 inch.

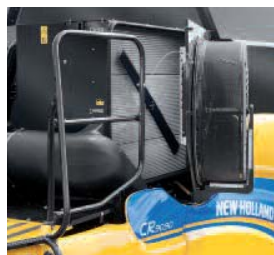


LEVELS OF ACCURACY AND REPEATABILITY

New Holland offers four levels of accuracy, allowing you to select the right IntelliSteer™ system to match your needs and budget. When using RTK correction with the IntelliSteer system, you enjoy guaranteed year-over-year repeatability.

LESS TIME SERVICING.

CR Series combines are designed to make the most of your harvest season. With easy service access, simplified sight gauges and super-long, 600-hour service intervals, you spend less time getting ready and start harvesting earlier.



Easy access to the wide-opening rotary dust screens makes cleaning the cooling package simple. The optional air compressor connections make the job even easier.



CHECK. CHECK. AND CHECK AGAIN

The Triple Check program means a fully-qualified New Holland service technician will conduct a thorough pre-season check on your CR Series combine before each of its first three seasons of operation.



WILL I BE ABLE TO FIND ADBLUE®/DEF EASILY?

The answer is yes! AdBlue® diesel exhaust fluid is available through CNH Industrial Parts & Service. Just contact your local dealer for more information. You can even have AdBlue delivered direct to your doorstep for absolute convenience.

MODELS		CR6090	CR7090	CR8080	CR8090	CR9090
Combine Class		6	7	8	8	9
Grain Header						
Cutting width : 72C direct-cut rigid cutterbar auger	ft. (m)	25 & 30 (7.62 & 9.15)	25 & 30 (7.62 & 9.15)	25 & 30 (7.62 & 9.15)	25 & 30 (7.62 & 9.15)	25 & 30 (7.62 & 9.15)
740CF direct-cut SuperFlex cutterbar auger	ft. (m)	20-35 (6.10-10.67)	20-35 (6.10-10.67)	20-35 (6.10-10.67)	20-35 (6.10-10.67)	20-35 (6.10-10.67)
760CG Varifeed™ rigid cutterbar auger	ft. (m)	30 & 35 (9.15 & 10.67)	30 & 35 (9.15 & 10.67)	30 & 35 (9.15 & 10.67)	30 & 35 (9.15 & 10.67)	30 & 35 (9.15 & 10.67)
790CP windrow pickup	ft. (m)	12 & 15 (3.66 & 4.57)	12 & 15 (3.66 & 4.57)	12 & 15 (3.66 & 4.57)	12 & 15 (3.66 & 4.57)	12 & 15 (3.66 & 4.57)
880CF SuperFlex cutterbar draper	ft. (m)	30 & 35 (9.15 & 10.67)	30-40 (9.15-12.19)	30-45 (9.15-13.72)	30-45 (9.15-13.72)	30-45 (9.15-13.72)
840CD rigid draper head	ft. (m)	25-35 (7.62-10.67)	25-40 (7.62-12.19)	25-45 (7.62-13.72)	25-45 (7.62-13.72)	25-45 (7.62-13.72)
Corn Headers						
980CR rigid corn head	rows	6, 8	6, 8, 12	6, 8, 12	6, 8, 12	6, 8, 12
980CF folding corn head	rows			12	12	12
Automatic Header Control Systems						
Terrain Tracer™ system		●	●	●	●	●
Autofloat™ system		●	●	●	●	●
Straw Elevator						
Number of chains		3	3	3	4	4
ASP™ system (Advanced Stone Protection)		●	●	●	●	●
Dynamic Stone Protection™ system		○	○	○	○	○
Fixed feeder drive		●	●	●	●	●
Variable feeder drive		○	○	○	○	○
Harvest Suite™ Cab Volume	ft. ³ (m ³)	62.3 (5.8)	62.3 (5.8)	62.3 (5.8)	62.3 (5.8)	62.3 (5.8)
IntelliView™ IV monitor with adjustable position		●	●	●	●	●
ACS (Automatic Crop Settings)		●	●	●	●	●
Air-conditioning and coolbox		●	●	●	●	●
Automatic climate control		●	●	●	●	●
MP3 radio		○	○	○	○	○
New Holland Precision Land Management Systems						
IntelliSteer™ ready automatic guidance system		●	●	●	●	●
IntelliCruise™ system		○	○	○	○	○
Full precision farming package including:						
Yield measuring and moisture measuring, D-GPS yield mapping		○	○	○	○	○
Desktop software and software support service		○	○	○	○	○
Twin Rotor® Technology						
S ³ rotors		●	●	●	●	●
Twin Pitch rotors		○	○	○	○	○
Rotor diameter	in. (mm)	17 (432)	17 (432)	17 (432)	22 (559)	22 (559)
Rotor length	in. (mm)	104 (2632)	104 (2632)	104 (2632)	104 (2632)	104 (2632)
Adjustable rotor vanes		○	○	○	○	○
Cleaning						
Self-levelling cleaning shoe		●	●	●	●	●
Enhanced aggressive shake shoe cleaning system		●	●	●	●	●
Total sieve area under wind control	in. ² (m ²)	8,370 (5.4)	8,370 (5.4)	8,370 (5.4)	10,075 (6.5)	10,075 (6.5)
Graintank and Unloading						
Graintank manual folding extensions	bushels (l)	315 (11,100)	315 (11,100)	315 (11,100)	410 (14,500)	410 (14,500)
Graintank electric folding cover	bushels (l)	326 (11,500)	326 (11,500)	326 (11,500)	NA	NA
Unloading speed	bu/sec (l/sec)	3.7 (126)	3.7 (126)	3.7 (126)	4.0 (136)	4.0 (136)
Engine* Compliant with Tier 4 Emissions Regulations	(l)	FPT Cursor 9 (8.7)*	FPT Cursor 9 (8.7)*	FPT Cursor 10 (10.3)*	FPT Cursor 10 (10.3)*	FPT Cursor 13 (12.9)*
ECObLue™ SCR system (Selective Catalytic Reduction)		●	●	●	●	●
Gross engine power @ 2100 rpm	(CV) HP	360	408	449	449	530
Maximum engine power @ 2000 rpm	(CV) HP	401	449	490	490	571
Approved biodiesel blend**		B20	B20	B20	B20	B20
Engine blow off system		○	○	○	○	○
Fuel Tank						
Diesel capacity	gal. (l)	200 (750)	200 (750)	265 (1000)	265 (1000)	265 (1000)
AdBlue capacity	gal. (l)	32 (120)	32 (120)	32 (120)	32 (120)	32 (120)
Transmission						
Differential lock		○	○	○	○	○
Road transport speed	20 mph	●	●	●	●	●
Road transport speed	25 mph	○	○	○	○	○
Factory installed SmartTrax™ system		○	○	○	○	○
Residue Management						
Integrated straw chopper		●	●	●	●	●
PSD™ (Positive Straw Discharge) belt		○	○	○	○	○
Opti-Spread™ residue management		–	–	○	○	○
Weight - Standard version less header and less strawchopper	lbs. (kg)	34,638 (15,712)	35,480 (16,093)	37,052 (16,807)	38,517 (17,471)	39,558 (17,943)
Dimensions with traction wheels / tracks***		900/60 R32	900/60 R32	900/60 R32	900/60 R32	900/60 R32
Wheelbase	ft. (m)	12' 4" (3.76)	12' 4" (3.76)	12' 4" (3.76)	12' 4" (3.76)	12' 4" (3.76)
Maximum height - transport	ft. (m)	13' (3.96)	13' (3.96)	13' (3.96)	13' (3.96)	13' (3.96)
Maximum width	ft. (m)	13' (3.96)	13' (3.96)	13' (3.96)	13' (3.96)	13' (3.96)
Maximum width - transport	ft. (m)	10' 10" (3.3)	10' 10" (3.3)	10' 10" (3.3)	10' 10" (3.3)	10' 10" (3.3)

● Standard ○ Optional – Not available * Developed by FPT Industrial ** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines ***Traction wheels other than those mentioned are also available (800/65R32, 520/85R42 duals, 620/70R42 duals), varies with machine configurations



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NH31609051 • 031415 • SP • PRINTED IN U.S.A.