

# CX7 AND CX8

CX7.90 | CX8.80 | CX8.90



# Welcome to the world of super conventional combines.

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The New Holland CX range has defined super conventional combine harvesting since its launch in 2001, and over 15,000 machines are testament to its enduring success. The CX7 and CX8 range delivers super-sized productivity and has further elevated its already impressive capacity. Prepare yourselves for a ground-breaking industry first: Opti-Speed™ auto-adaptive variable speed strawwalkers for tailored separation excellence. Together with acclaimed features such as SmartTrax™, Opti-Fan™, Opti-Clean™ and Opti-Spread™ technology, your harvest is in safe hands.

## Super conventional combine design

Today's CX flagship super conventional range has undergone an extensive testing programme in just about every crop and condition possible across the globe. We have tirelessly looked to get the most out of every feature so you can rely on your CX for ultimate productivity.



### CX7 & CX8: the ultimate super conventional combines

The three model CX7 and CX8 range features the world's highest capacity conventional combine. Choose between five or six strawwalkers and a range of options to suit your operation.



Models	Grain header cutting width (m)	Maize headers number of rows	Max power (hp)	Number of strawwalkers	Grain tank capacity (t)
CX7.90	4.88 - 9.15	6 / 8 / 12	374	5	10000
CX8.80	6.10 - 12.50	6 / 8 / 12	401	6	11500
CX8.90	6.10 - 12.50	6 / 8 / 12	490	6	12500



# CX7 and CX8 range. Targets achieved.

## Outstanding capacity

The CX7 and CX8 range fully lives up to its title as the world's most powerful conventional combine, with up to 490hp on tap. The enlarged grain tank, up to 12,500 litres, and increased unloading speed enhance autonomy and harvesting flexibility. Unique in the industry Opti-Speed™ auto adaptive variable speed strawwalkers tailor separation to the individual crop, and offer up to 10% more capacity. Super capacity. Super-sized productivity.

## Superior harvest quality

The gentle threshing action from New Holland's four drum threshing system gently, yet thoroughly, threshes each and every ear, whilst preserving straw quality. The powerful combination of Opti-Clean™ and Opti-Fan™ technology delivers clean grain, and has enhanced cleaning efficiency by up to 20%. Super quality. Super-sized consistency.

## Lower operating costs

Fitted to the CX8.90, ECOBlue™ SCR technology for Tier 4A compliance will significantly reduce your operating costs, by lowering your fuel consumption by up to 10%. All other CX models benefit from industry leading ECOBlue HI-eSCR technology to comply with the more stringent Tier 4B emission regulations and it maintains the efficiency you have come to expect of a CX combine. When combined with long, 600 hour service intervals, and the SmartTrax™ system for reduced soil compaction, more money stays in your pocket.

## Absolute driving pleasure

The Harvest Suite™ Ultra cab has been designed to deliver ultimate harvesting comfort and ergonomics. The larger, 3.7m³ cab with 6.3m² of glass, almost 7% more than previous models, means more space and more glass add up to more comfortable and more precise harvesting. At 73dB(A) it is still the quietest cab on the market. The 26.4cm ultra-wide IntelliView™ IV colour touchscreen monitor can be positioned on the ideal viewing arc for every operator. If you are a night time harvester, the LED lighting package enables true, 24 hour productivity.

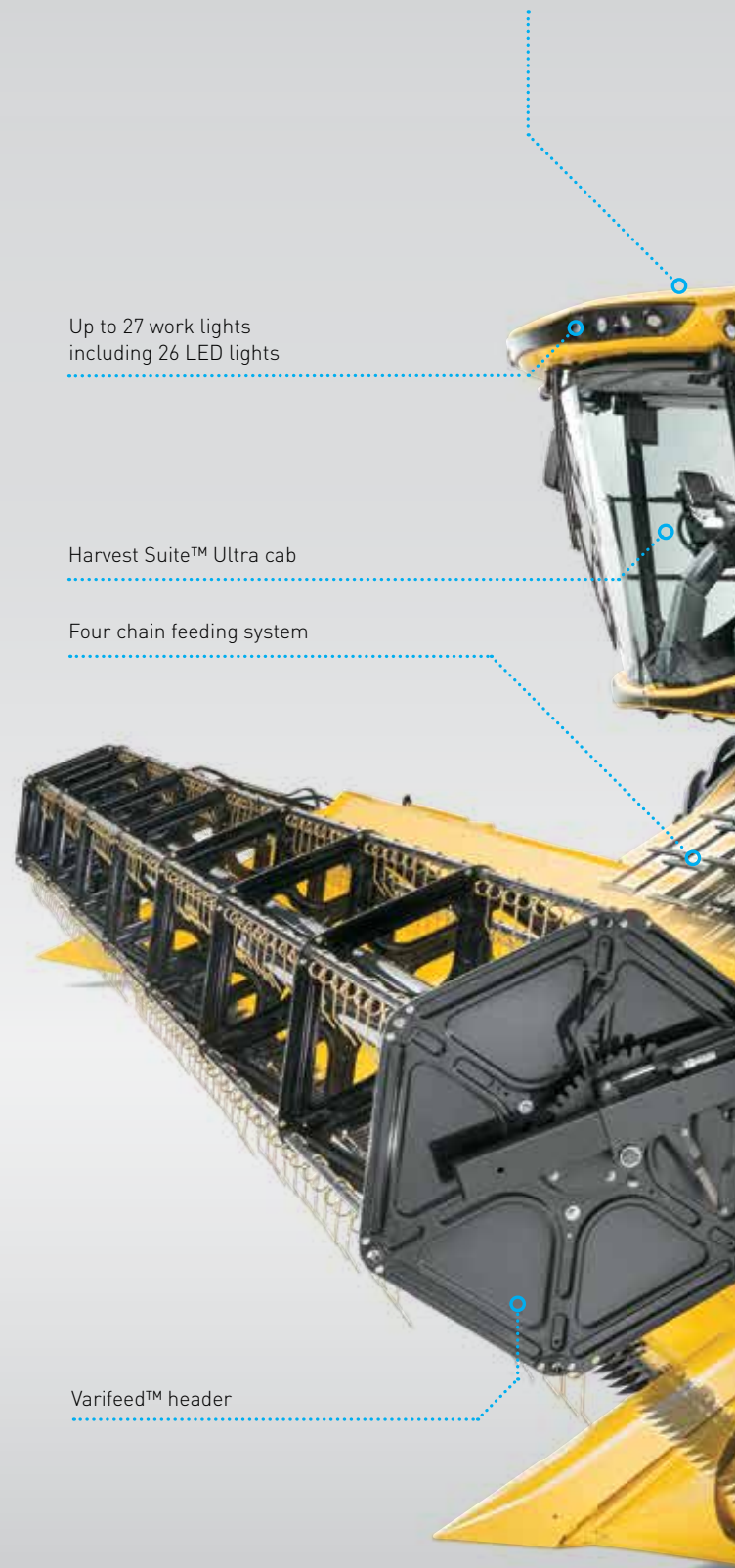
PLM® Connect telematics

Up to 27 work lights  
including 26 LED lights

Harvest Suite™ Ultra cab

Four chain feeding system

Varifeed™ header





# A history of modern combining by New Holland.

**1952:** Europe's first self-propelled conventional combine harvester rolled off the Zedelgem production line. The face of harvesting changed forever.

**1955:** In the early days of self-propelled combining, farmers needed small units, and the M73 satisfied their requirements, with a threshing drum of just 73cm. The only ever combine with a sub one metre drum.

**1958:** The M103 set new productivity records, with throughout of up to seven tonnes per hour. Another impressive number: 27,510 M103s rolled off the production line in just under a decade.

**1963:** M140 was the first "modern" combine. Operator comfort and grain tank size were of prime importance. In order to increase productivity it was the first model with a 1.25m diameter drum and boasted five strawwalkers.

**1970:** Another harvesting revolution occurred: the advent of the rotary separator on the 1550 range. Forty years on, this technology is still used in flagship conventional combines today.

**1977:** 8000 series was the first to benefit from six strawwalker technology. Cab comfort, a reversible auger drive, Roto-Thresher™ for processing trailings and a double cascade cleaning shoe significantly upped the performance stakes.



## Built in Zedelgem

The flagship CX7 and CX8 models are built in Zedelgem, Belgium, home to New Holland's Centre of Global Harvesting Excellence. It was here, over 100 years ago, that Leon Claeys built his very first threshing machine that revolutionised the way farmers harvested. Zedelgem is synonymous with harvesting firsts, in 1952 it produced the first European self-propelled combine harvester. Today, yellow blooded engineers are committed to developing the next generation of harvesting products. The sophisticated product development process and the extensive knowledge of a dedicated workforce of a World Class Manufacturing facility ensure the CX7 and CX8 range, together with all flagship harvesting products, the CR Twin Rotor™ combine, BigBaler large square balers and FR forage harvester, continues to set the benchmark in harvesting.

**1986:** The TX30 range was designed for professional harvesting operations. Outstanding visibility was coupled with improved harvesting autonomy and intuitive monitors for outstanding harvesting performance.

**1994:** The TX60 developed up to 325hp and could be equipped with a mighty 9.14 metre header with lateral float technology.

**2001:** The sleek lines of the CX700 and CX800 range were first unveiled. The benchmark Harvest Suite™ cab was an immediate hit thanks to outstanding visibility and ergonomic excellence and this range was the first to offer PLM compatibility.

**2007:** The CX8000 range made fingertip harvesting possible with the introduction of the IntelliView™ II monitor alongside Tier 3 engines.

**2010:** The introduction of ECOBlue™ SCR technology delivered a mighty 10% reduction in fuel consumption.

**2013:** Opti-Speed™ auto adaptive variable speed strawwalkers are introduced on the CX7000 and CX8000 Elevation range. Tailored separation performance further enhances harvesting quality and productivity.

**2015:** The CX7 and CX8 range celebrates 15 years of super conventional harvesting excellence with the introduction of the benchmark Harvest Suite Ultra cab.

1994



2001



2007



2010



2013



2015



# Leading from the front.

New Holland knows that the harvesting process starts with the crop. How it enters the machine will determine the quality of the harvest, therefore, a vast range of grain headers to suit every type of crop and farm have been developed and built in-house to suit your needs. Headers are available in widths ranging from 4.57 - 12.50 metres and in a wide range of configurations that can be tailored to match your requirements.

Grain headers		CX7.90	CX8.80	CX8.90
High-Capacity grain header cutting width	(m)	5.18 - 7.32	6.10 - 9.15	6.10 - 9.15
Varifeed™ grain header cutting width	(m)	4.88 - 9.15	6.70 - 12.50	6.70 - 12.50
Superflex headers cutting width	(m)	6.10 - 9.15	6.10 - 10.67	6.10 - 10.67
Rice headers cutting width	(m)	5.18 - 7.32	5.18 - 7.32	5.18 - 7.32



## Varifeed grain headers: adapt to all types of crop

- Varifeed header guarantees optimum harvesting quality and a uniform cut in fields of different crop heights
- Knives can be adjusted by a full 575mm in their fore-aft position for ideal feeding
- 660mm diameter auger with deep flights provides fast, smooth feeding
- Adjustable retracting fingers between each auger flight move the crop down and under the auger, for smooth, continuous feeding



## For high field speeds: High Capacity headers

- High Capacity header has a large reel diameter and easy reel adjustments
- High speed knife and retractable feed auger fingers offer high field speed and ensure consistent feeding
- High Capacity rice header is available, featuring 50% thicker auger flights, which have been coated with Hardox to reduce wear



## Flexibility for guaranteed harvesting efficiency

- The Superflex header is the default choice for undulating terrain
- The knife bed can flex a full 110mm in uneven fields to ensure a close cut and uniform stubble height
- The full-floating auger with deep flights provides fast, smooth feeding even in the heaviest crops
- Precise feeding and processing are a given with 1150 cuts per minute and the cab-based hydraulic fore and aft reel adjustment
- A pre-set ratio can be maintained between reel speed and ground speed, so that when ground speed changes consistent feeding is guaranteed



### Fully integrated rape knives

- Optional 18 teeth rape knives can be quickly fitted to the Varifeed header
- Controlled through the IntelliView IV colour touchscreen monitor, they guarantee more efficient rape harvesting
- When not required, they can be stored in the dedicated bracket on board the header



### Automatic Header Height Control

The advanced Automatic Header Height Control system is available in three operational modes:

- Compensation Mode uses a pre-established ground contact pressure that is hydraulically maintained to ensure efficient harvesting of laying or low growing crops such as peas and beans
- Automatic Stubble Height Control maintains a pre-set stubble height by using sensors located on the underside of the header together with the hydraulic header control cylinders
- The Autofloat™ system uses a combination of sensors that ensure the header follows uneven terrain and automatically adjusts its position hydraulically to maintain uniform stubble height and to prevent the header digging into the ground



### Dual Stream™: advanced stubble management

- Dual Stream system fits directly onto 7.62 - 12.50 metre High Capacity and Varifeed headers
- The standard header continues to cut the upper section of the crop, and the second bank of self-sharpening knives are set at normal stubble height, to cut the intermediate 'double stubble' section
- This chopped material is then uniformly spread across the entire cutting width of even the largest headers
- Dual Stream technology can boost overall capacity by up to 15%, whilst reducing fuel consumption by up to 15%

# A perfect match.

New Holland has developed a maize header line-up which has been engineered by design to perfectly match the CX7 and CX8 operating profile. Following extensive field testing, both the rigid and flip-up versions deliver improved harvesting productivity and reliability.

Maize header	CX7.90	CX8.80	CX8.90
Number of rows flip-up maize headers	6 - 8	6 - 8	6 - 8
Number of rows rigid maize headers	6 - 12	6 - 12	6 - 12



### Modern maize headers for modern maize farming

- Upgraded maize header line-up satisfies the demands to boost productivity and harvesting efficiency
- Shorter points better follow ground contours to prevent 'run-down' of valuable crops
- The gills direct any loose kernels to the back to the header reducing waste
- The replaceable wear strips extend the headers lifespan and all points flip up on self-supporting gas struts for easy cleaning and maintenance



### Flip-up or rigid: the choice is yours

- Rigid headers are available in six, eight and 12 row versions
- Flip-up versions are perfect for transport intensive operations and the six and eight row variants fold within 3.5m



### Stalk stomper tyre protection

- Optional Stalk Stomper kit is available for fixed or flip-up maize headers
- Tyre and track wear is reduced when harvesting maize by flattening the stubble in front of the wheels

### Best-in-class stalk chopping

- Integrated stalk choppers can be fitted, perfect for minimum or zero tillage operations
- Maximum flexibility is guaranteed thanks to individual row engagement
- Widely accepted as the "best-in-class" by New Holland customers



### Dependable operation

- All New Holland maize headers are designed for top harvesting performance in all crop conditions
- The stalk rolls have four knives for aggressive pulling down of any size stalks
- The deck plates are electronically adjustable from the cab to adapt to changing stalk and cob size
- Optional rotary dividers further enhance crop intake in laid maize crops



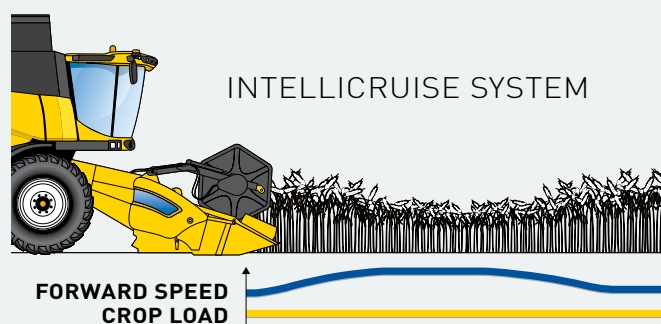


# Enhanced feeding for more efficient harvesting.

The CX7 and CX8 feeding system has been significantly upgraded to enhance its operation. The feeder now features four chains with connecting slats for improved, continuous crop flow. The elevator is exactly the same width as the main threshing drum for continuous even flow, which prevents bunching, for more efficient throughput. In order to ensure the CX7 and CX8 voracious appetite is satisfied, the speed of the feed elevator has been increased by 5% and now tops 575rpm. Furthermore, the reinforced drives, construction and front face of the cradle have been strengthened to process the largest volumes of harvested crop from the 12.50 metre Varifeed headers.

## IntelliCruise™ for increased productivity

- IntelliCruise Automatic Crop Feeding system automatically matches the forward speed to crop load
- A sensor on the straw elevator driveline continually monitors the demand placed on the header to guarantee the combine works at full capacity, independently of areas of differing yield



## Non-stop stone protection

- The stone protection system simply knocks the stones into a dedicated trap before they reach the threshing drum
- The trap can be emptied using an easy to reach lever
- This system protects the combine and ensures crop purity



## Unblocking in a matter of seconds

- Header blockages are instantly cleared by the hydraulic reversing system
- The entire header and elevator can be 'rocked' backwards and forwards to effectively unblock the machine



# Best-in-class threshing performance.

Threshing is key when it comes to making every grain count. Thanks to the four drum technology gentle, yet efficient threshing is guaranteed. The largest threshing drum on the market with a diameter of 750mm threshes even the toughest ears at an unbeatable rate. The 111° wrap angle enhances separation and also delivers acres of concave space: 1.18m<sup>2</sup> on six strawwalker models and 0.98m<sup>2</sup> on five strawwalker variants. Tough on threshing. Gentle on the crop. Your passport to unsurpassed productivity, grain quality and straw quality!

## Your combine remembers your crops

To reduce set-up time when switching between crops or when working in varying crop conditions, the CX7 and CX8 features Automatic Crop Setting (ACS), with fifty crop specific settings. The operator either selects from pre-installed settings, or simply programmes two harvest parameters for each crop, including reel speed and position, Drum speed and concave setting, sieve opening and cleaning fan speed, and recalls these on the IntelliView™ IV monitor when required. Push button simplicity from New Holland.

The 750mm main drum can maintain optimal threshing action at low speed to reduce vibrations and to protect the drive line. The high inertia drum is perfect when operating in damp conditions or in uneven crops. The integrated rasp bars rub against the concave to further enhance separation.

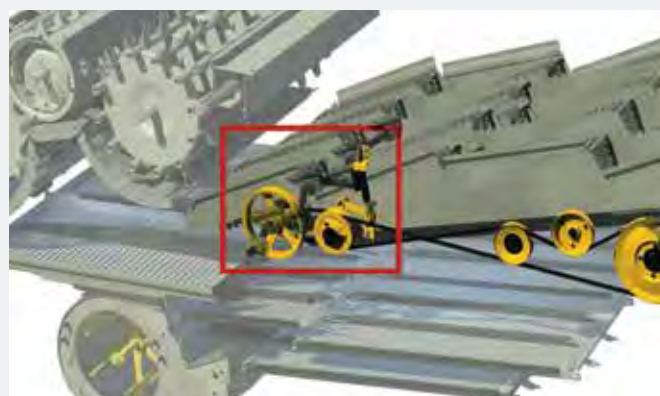
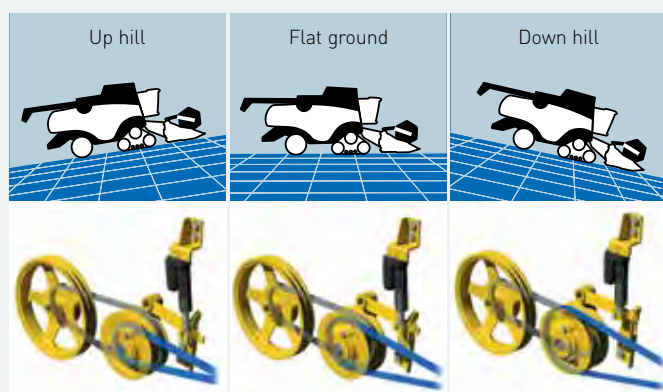
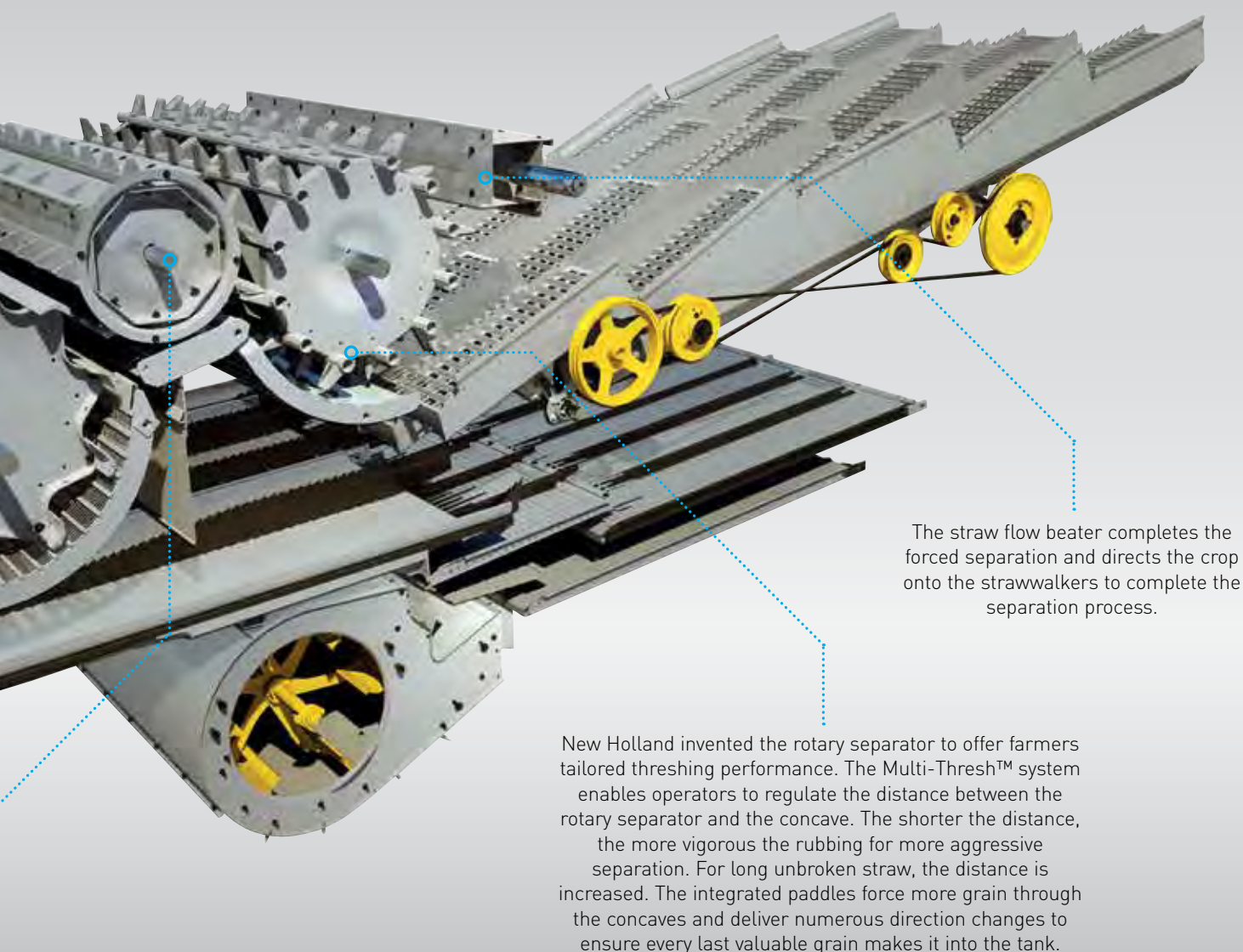
The beater's serrated teeth prevent mats forming in the crop to improve crop flow in all conditions, especially when harvesting marginal crops at high moisture levels.



## Sectional concave: easy to manage, quick to change

- Reducing the rebuilding time from six hours to 20 minutes, when switching between crops
- Various concave section combinations can be fitted to match a variety of crop types
- No need to remove the straw elevator

		Standard drum and small grain sectional concave
		Standard drum and standard maize sectional concave
		Standard drum and maize round bar sectional concave
		Universal drum and maize round bar sectional concave
		Universal drum and rice sectional concave



### Opti-Speed™ variable speed strawwalkers: a New Holland exclusive

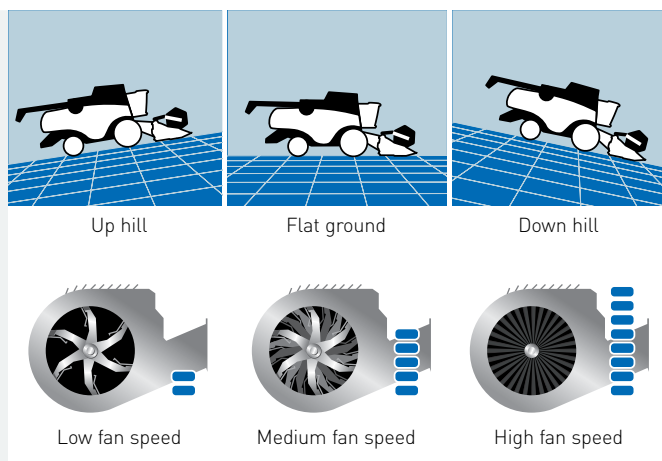
- Opti-Speed auto adaptive variable speed strawwalkers deliver up to a 10% productivity improvement
- Choose wheat, maize, rapeseed or rice setting, your CX7 and CX8 will automatically regulate strawwalker speed in relation to the crop selected
- When travelling uphill strawwalker speed reduces to keep every grain inside the machine
- On downward gradients, the speed is increased to prevent clogging and inefficient separation
- The system continually dialogues with the Opti-Fan™ and Opti-Clean™ systems to fine tune the strawwalker speed from 170-240rpm

## Outstanding cleaning performance.

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Every farmer knows that clean grain is profitable grain. That is why the CX7 and CX8 delivers the segment's cleanest grain sample. The New Holland exclusive Opti-Speed™ variable speed strawwalker system uses auto-adaptive technology to ensure precision separation of all grains, in all crops and in all conditions. Continual dialogue with the award winning Opti-Clean™ and Opti-Fan™ systems ensure that every grain is a clean grain. Super cleaning performance. The CX7 and CX8 has got it covered.



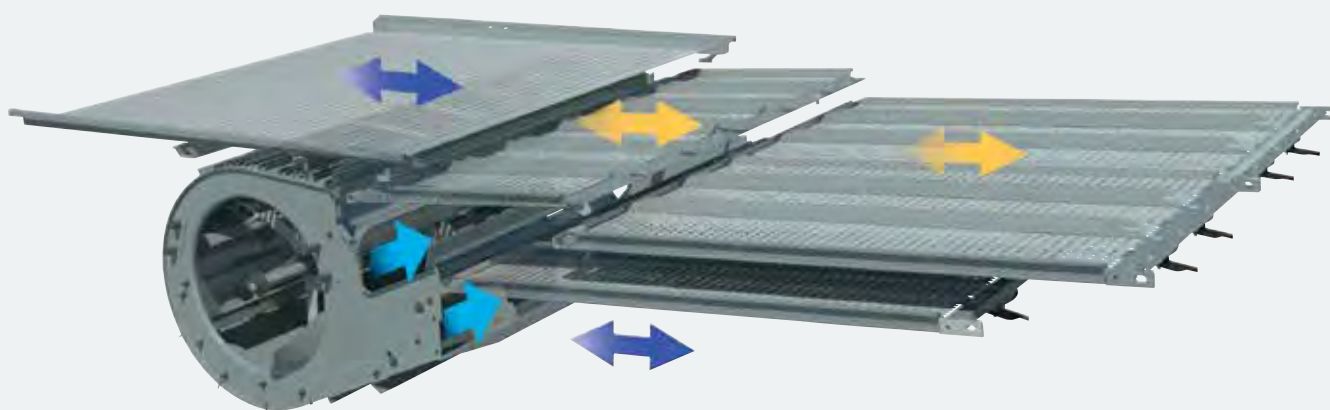


### Gravity defying Opti-Fan technology

- Opti-Fan system compensates for the gravitational effects on crop material
- Select the desired fan speed on flat ground and the system automatically adjusts it when going up or downhill to maintain cleaning performance
- When travelling on upward slopes the fan slows down to prevent sieve losses
- When tackling downhill gradients fan speed increases to prevent thick material build ups on the sieves

### Outstanding cleaning performance

- The standard fixed-cleaning shoe, only available on six strawwalker models, is perfect for operations which harvest predominantly on flat ground
- The optional self-levelling cleaning shoe can be regulated from the comfort of the cab
- The cleaning shoe angle is automatically optimised by up to 17% to neutralise the effects of side slopes and prevent grain banking during headland turns



### The cleanest grain for the highest rewards

- Opti-Clean system optimises the stroke and throwing angles in the cleaning system and improves cleaning capacity by up to 20%
- The grain pan, pre and top sieves operate independently to optimise the cascade for greater capacity, and the longer sieve stroke and steep throwing angle keep more material airborne, for higher cleaning efficiency
- The opposing motion of the grain pan and bottom sieve to the pre-sieve and the top sieve, reduces overall machine vibrations and increases operator comfort

### Easy grain pan removal

- Maintaining the aggressiveness of the grain pan steps in difficult crops such as rape seed or maize may require regular cleaning
- The CX grain pan can be easily removed from the front of the machine

### Precision airflow

- The CX7 and CX8 range's unique paddle fan design generates the largest volume of air at a constant pressure, which is far superior to competitor alternatives
- The fan has two dedicated openings to direct a powerful stream of air to both the pre and top sieves for guaranteed cleaning performance

# High volume grain management.

The 12,500 litre grain tank on the CX8.90 can hold 9% more grain than the previous model. Electronically folding grain tank covers come as standard and are activated from the comfort of the cab. Further benefits include reduced grain losses when working on steep inclines and grain is also protected during overnight storage. The bubble-up auger evenly distributes grain in the tank and renders air pockets and grain banks a thing of the past.

Grain tank		CX7.90	CX8.80	CX8.90
Folding covers capacity	(l)	10000	11500	12500





### Longer, stronger and precise

- The unloading spout has been completely redesigned, and directs the crop in a forward and outward direction for better distribution and a longer unloading distance, which means taller, higher capacity trailers can be used
- All CX7 and CX8 models feature a 1.3m optional unloading auger extension to further increase unloading flexibility
- Unloading speed has increased by 14% which means the largest 12,500 litre grain tank can be emptied in under two minutes thanks to a 125 litre/second unloading speed



### Robust option for abrasive crops

- For prolonged operation in abrasive crops such as rice, the CX7 and CX8 can be specified with the 'abrasive option'
- The grain elevator, bubble-up auger and unloading auger are manufactured using heavy-duty materials to withstand prolonged operation



### Keep an eye on your grain

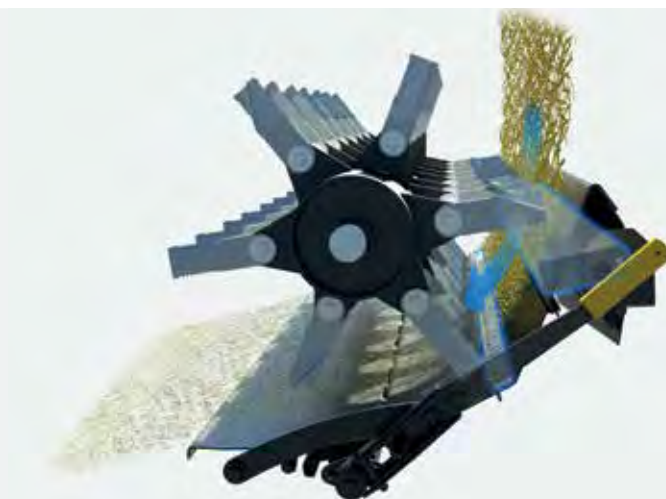
- New Holland has designed a 910 x 550mm viewing window in the cab
- You can also keep an eye on the grain tank fill level, which is displayed on the IntelliView™ IV monitor
- A grain flap, accessible from the operator's platform, allows manual sampling

## Flexible solutions right for your operation.

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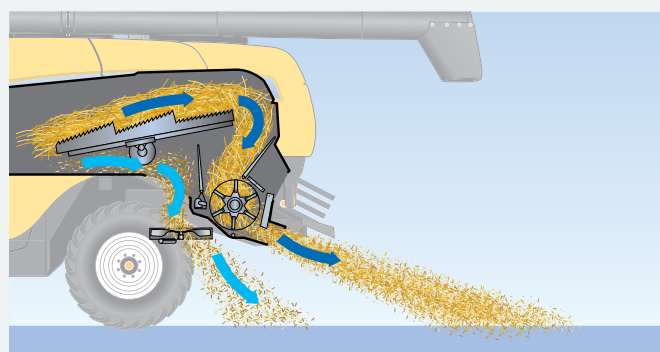
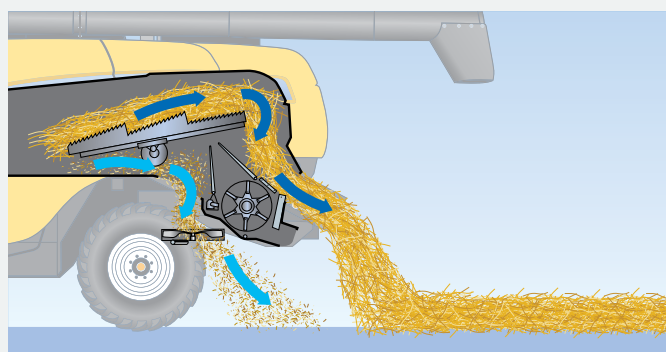
The CX7 and CX8 range offers complete and comprehensive residue management options that can be tailored for different types of crop and cultivation methods. An optional dedicated button on the right hand side console enables you to switch between chopping and rowing. This is in addition to the traditional mechanical method which entails using a dedicated ergonomic lever. No need for tools. No need to change components. No need to even get out of the cab. Simple. Fast. Typically New Holland.





### **Opti-Spread™ system: spreading wide. Always.**

When using the largest 12.50m Varifeed™ header on the CX, a dedicated and powerful straw spreading system is a must. The optional Opti-Spread straw spreader mounted behind the straw chopper easily meets any spreading width requirement. This system has been further enhanced with the addition of Dual-Chop™ technology. All residue passes through a dedicated rake containing razor sharp blades to ensure a superfine chop of all material. This is perfect for minimum or no tillage operations that employ direct cultivation techniques. The Opti-Spread™ system is controlled from the cab, and the two powerful discs can be adjusted to counteract any wind or side-slope impact.



### **Perfect bales**

- The Multi-Thresh™ system guarantees gentle crop handling, maintaining straw structure and minimizing breakages
- The twin-disc chaff spreader can spread the chaff or direct it onto the ground, under the straw to be baled



### **Spreading wide. Always.**

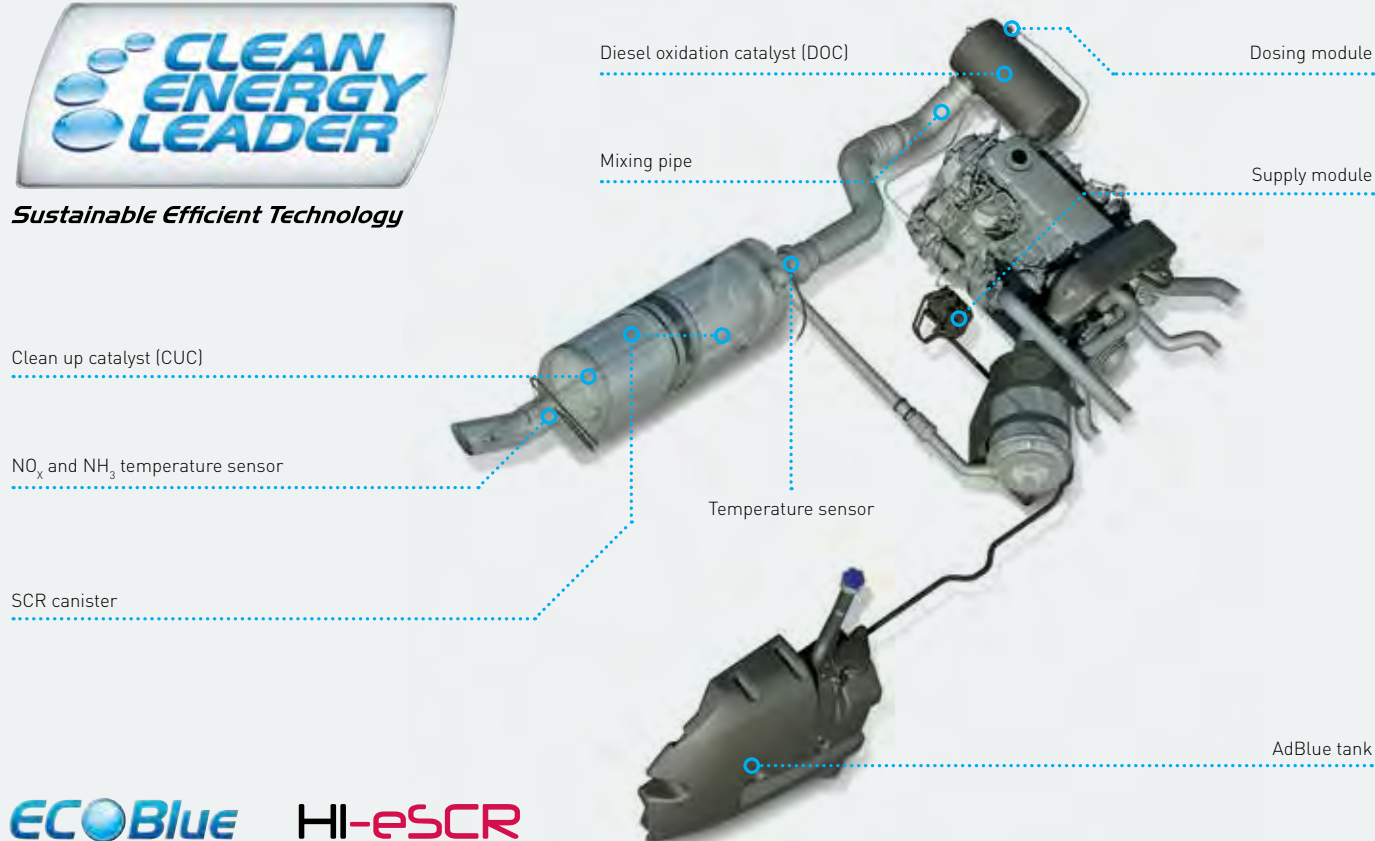
- The Dual-Chop system features a rake through which razor sharp blades pass to ensure superfine chopping of all material
- The powerful spreading discs evenly distribute the chopped straw across the entire width of the header

# Powerful. Respect. For you. For your farm. For the future.

Through the Clean Energy Leader strategy, New Holland is committed to making agriculture more efficient while respecting the environment and powertrains are at the heart of this strategy. The CX8.90 combine benefits from the productivity enhancing features of FPT Industrial Cursor 10 equipped with ECOBlue™ SCR technology for Tier 4A compliance. The CX7.90 and CX8.80 combines are fitted with Cursor 9 engines equipped with ECOBlue HI-eSCR technology for Tier 4B compliance. The proven ECOBlue technology in both forms uses AdBlue to transform the harmful nitrogen oxides contained in the exhaust gas into harmless water and nitrogen. This after-treatment system is separate from the engine which means the engine only breathes clean, fresh air. What does this mean? Clean running power units that offer improved performance and enhanced fuel economy.



**Sustainable Efficient Technology**



**ECOBue** **HI-eSCR**

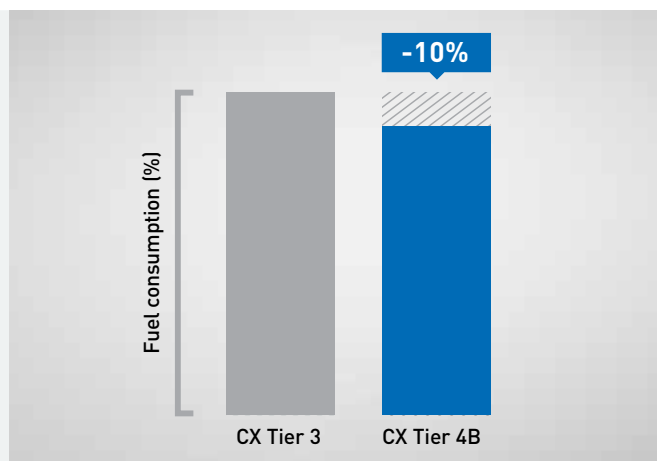
Models	CX7.90	CX8.80	CX8.90
Engine*	FPT Cursor 9*	FPT Cursor 9*	FPT Cursor 10*
Capacity [cm³]	8700	8700	10300
Compliant with Tier 4 emission regulations	Tier 4B/Stage 4	Tier 4B/Stage 4	Tier 4A/Stage 3B
ECOBue system (Selective Catalytic Reduction)	HI-eSCR	HI-eSCR	SCR
Injection system	Common Rail	Common Rail	Unit Injectors
Gross engine power @ 2100rpm [kW/hp(CV)]	245/333	265/360	330/449
Maximum engine power @ 2000rpm [kW/hp(CV)]	275/374	295/401	360/490
Approved Biodiesel blend	B7**	B7**	B20**

\* 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

### More money in your pocket

- The CX range has been engineered to lower your operating costs
- The CX8.90 model fitted with ECOBlue SCR technology will see a 10% reduction in fuel consumption when compared to a Tier 3 model
- Combines fitted with ECOBlue HI-eSCR technology maintain the low fuel consumption of the previous CX Tier 4A range
- During road transport, the engine runs at a mere 1400rpm
- ECOBlue HI-eSCR technology is compatible with 7% Biodiesel blends that comply with EN14214:2009 fuel specifications
- Industry-leading 600 hour service intervals combined add to the cost savings



### Power saving drivelines

- Overall reliability and low power consumption are the result of proven, direct drivelines and the four-speed hydrostatic transmission
- Positorque variators on the CX7 and CX8 range offer uncomplicated efficient technology providing more power for harvesting when compared to heavy power sapping CVT competitor alternatives



### Vast tyre offering and top 40kph transport speed

- Choose the narrowest 710/70R42 tyres to meet strict transport widths and to negotiate narrow gateways
- Massive 1050/50R32 tyres offer unsurpassed floatation performance
- 40kph ECO transport speed and differential lock are available across the range



### Super tight turning

- The CX7 and CX8 compact design and impressive steering angle, gives it a turning circle of a mere 4.6m
- The 710/60R30 steering tyres reduce compaction and improve traction
- The optional four wheel drive variant now features two speeds to tackle the most extreme conditions



# SmartTrax™. Reduced compaction. Superior comfort.

The SmartTrax system has been engineered by design to offer 57% reduced ground pressure thanks to its triangle structure for improved traction and reduced compaction.

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

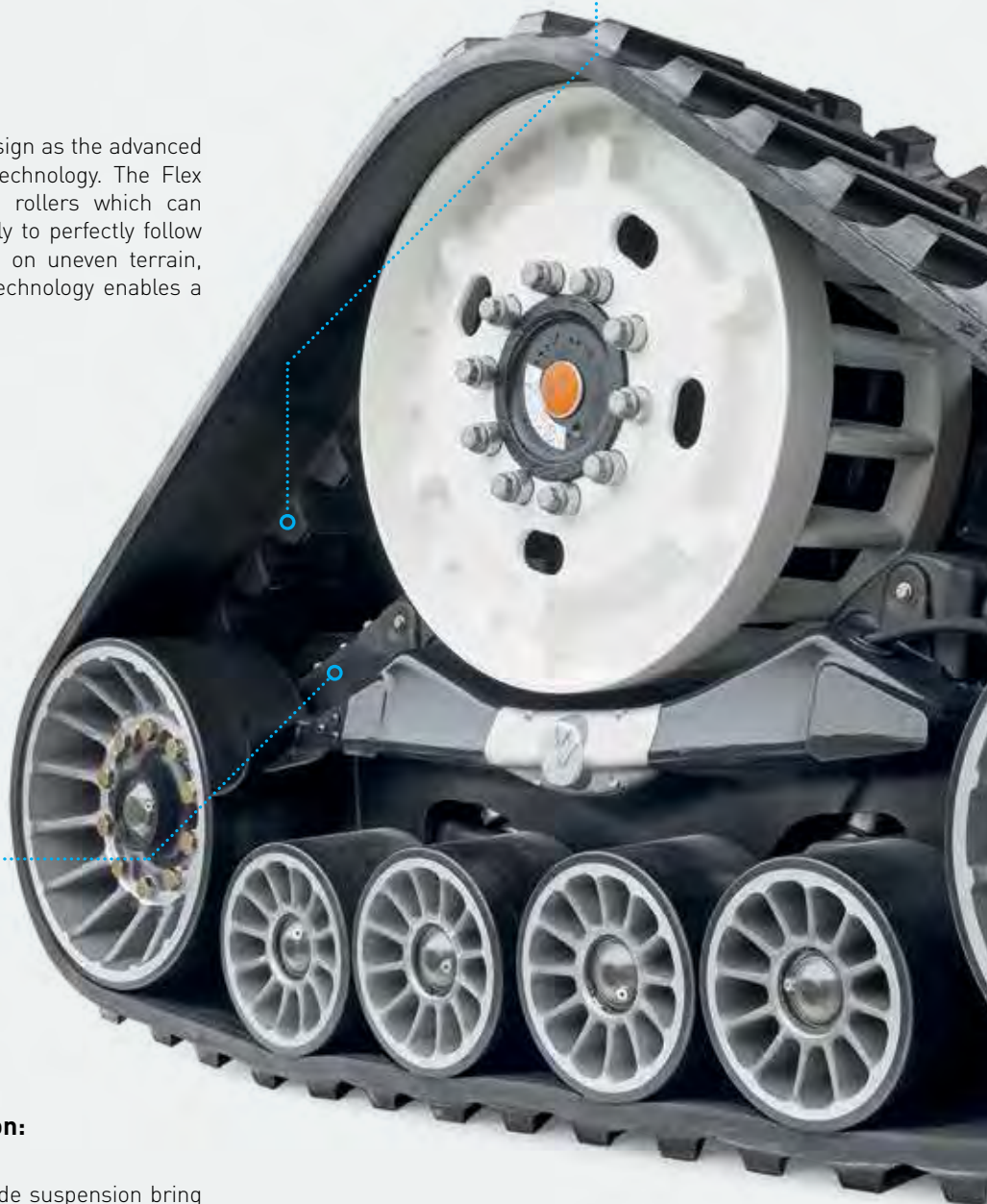
## SmartTrax with Flex technology: terrain following excellence

The entry-level tracks feature the same design as the advanced SmartTrax with Terraglide™ suspension technology. The Flex technology features two pairs of jointed rollers which can pivot and rotate both laterally and vertically to perfectly follow the ground contours. Ideal when working on uneven terrain, outstanding traction is guaranteed. This technology enables a top transport speed of 30kph.

SmartTrax feature an automatic continuous heavy duty tensioning system which ensures that the correct track tension is always maintained. Moreover, the tensioning system is completely separate from the drive wheel, for ultimate simplicity and reliability.

## SmartTrax with Terraglide suspension: your comfort partner

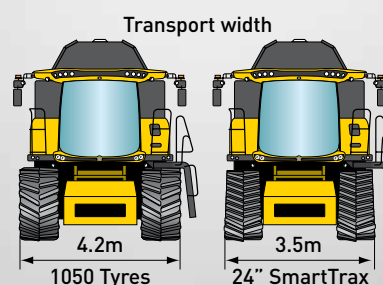
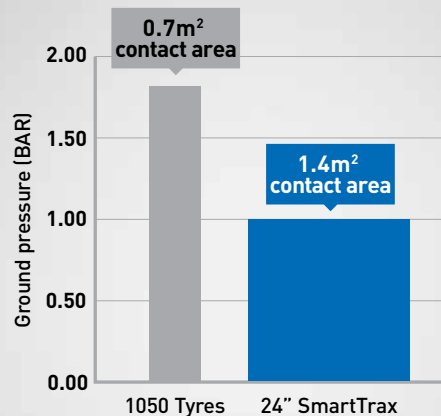
The SmartTrax rubber tracks with Terraglide suspension bring New Holland's acclaimed suspension technology to tracks. Available as an option on all models, they are available in 24", 28.5" and 34" width. This option enables a top transport speeds of 40kph.





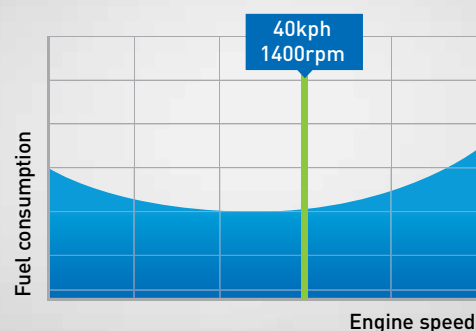
- Two pairs of hydraulic suspended rollers work together to produce a smooth ride and improved transport safety because the rollers oscillate to follow the road camber. A longer track length offers a larger overall footprint for reduced field compaction

The SmartTrax triangle 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.



### A track to suit your needs

SmartTrax are available in two widths to suit your operation: standard 24" and for those working in demanding conditions, a 28.5" option is available. SmartTrax offer your operation numerous benefits including enhanced stability, 100% increase in contact area when compared to tyres, all whilst maintaining manoeuvrability within the 3.5 metre transport width.

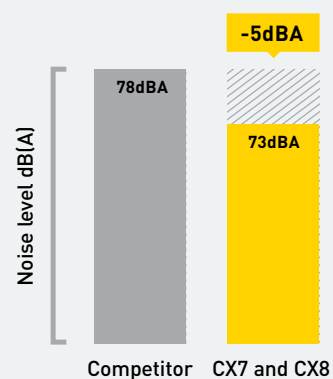


### Saving time. Saving fuel.

With a top transport speed of 40kph at a mere 1400 engine rpm, the CX7 and CX8 range, when fitted with SmartTrax with Terraglide suspension, is the obvious choice for operations looking to enhance productivity, with more time in the field and less time on the road, and to save on their fuel bills. Fuel economy is further enhanced by the super low rolling resistance, which offers significant savings over competitor solutions.

## A new benchmark for harvesting comfort.

The CX7 and CX8 range of combines offers you a home away from home during long harvesting days. The Harvest Suite™ Ultra cab is completely new from the floor up and is the fruit of extensive customer consultation. The cab volume has increased to 3.7m<sup>3</sup> and boasts 6.3m<sup>2</sup> of glass, 7% more than previous models. You can enjoy all that space in the peace and quiet of the near silent 73dB(A) cab.





### A place for everything

- A large compartment behind the operator is perfect for stowing away essential documentation



### Stay refreshed on the hottest days

- The large portable fridge under the instructor seat can be easily removed for replenishment
- Air conditioning comes as standard, or upgrade to the optional Automatic Climate Control system which automatically adjusts fan speed to guarantee accurate temperature control



### 360° panoramic view

- The Harvest Suite™ Ultra cab's wide curved window offers a perfect view
- The floor slopes down into the front windscreen so that you have a clear view of the edge of the header
- Standard electric mirrors present a wide viewing arc to the sides and rear
- Up to three optional viewing cameras can be managed through the IntelliView™ IV monitor, and one has been pre-wired for reversing

# Effortlessly maximising performance.

Intelligent and intuitive automation saves times and enhances harvesting performance. The CommandGrip™ multifunction handle means you can perform a full day of harvesting with minimum fatigue. All key machine and header parameters can be controlled, including header height, reel position and unloading engagement. The right hand console contains less frequently used functions, which are laid out in an ergonomic and logical manner. Machine functions can be analysed at a glance courtesy of the colour IntelliView™ IV monitor.



Shift button and ground speed unlock (behind)



Forced based movement enables the operator to change speed and direction

## Wide-screen harvesting

The ultra-wide 26.4cm IntelliView™ IV colour touchscreen monitor is fixed on rollers which can move along an ideal viewing arc so you can position it where you want. This intuitive, colour touchscreen displays and monitors all combine functions and parameters which can be easily adjusted by touching the screen. A second screen can be installed on request and is perfect for IntelliSteer® auto guidance tasks and mapping follow up.



# Please, take a seat.

New Holland brings to you the best-in-class seat offering, with three different models providing you with a comprehensive choice. All seats benefit from improved cushioning. These firmer, more durable seat cushions provide outstanding comfort whatever the terrain. A standard, full-sized upholstered instructor seat folds down to provide a work surface when not in use.



## Leather seat

- The top of the range leather trimmed seat features all the above and extended vertical travel and automatic weight adjustment absorbs the most severe bumps to offer the ultimate in operator comfort and style



## Standard seat

- The standard wide cloth trimmed seat provides exceptional features and ensures all operators will stay comfortable throughout the longest harvesting day



## Deluxe cloth seat

- The optional deluxe cloth trimmed seat with heating and active ventilation is perfect for the hottest days and the coldest nights, and features fore/aft movement

# The most powerful combine lighting package.

The CX7 and CX8 lighting package has raised the lighting bar, and can deliver up to a total of 48,000 lumens. The spread of light has been engineered for maximum visibility of the entire header and the field ahead. You can also get off of your combine in complete safety courtesy of the entrance light, which remains on for 30 seconds after you've switched the combine off.

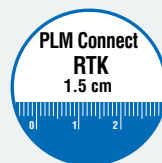
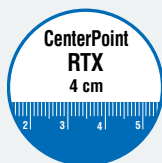
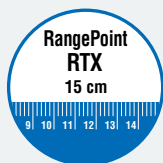


- The CX7 and CX8 lighting package offers up to 27 work lights including 26 LED lights
- A powerful all new LED 'row finder' light is positioned in the centre of the roof, to enable operators to identify individual rows when harvesting at night
- Rear lamps enable operators to monitor residue and two lamps located on the side panel illuminate the rear axle to prevent crushing standing crop and to assist when manoeuvring
- You have the choice between halogen and LED working lights and an additional long distance LED lighting package is available
- The long distance LED lights offer an incredible range of up to 400m

# New Holland guidance systems to match your needs.



A full range of guidance solutions are available from New Holland and include manual and assisted guidance. You can even specify your CX7 and CX8 with fully integrated IntelliSteer® auto guidance direct from the factory to start saving money from your first run. Fully compatible with the most accurate RTK correction signals, IntelliSteer can guarantee pass-to-pass and year-to-year accuracy as low as 1-2cm. SmartSteer™ crop edge guidance and automatic row guidance for maize headers are just some of the numerous options which are designed to increase your harvesting efficiency and productivity.



## Levels of accuracy and repeatability

New Holland offer multiple levels of accuracy. This enables you to select the right IntelliSteer system to match your needs and budget. When using RTK correction with IntelliSteer you can enjoy guaranteed year on year repeatability.

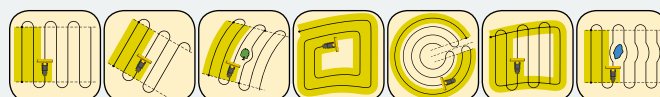
## RTK base station

An RTK base station can be used to broadcast a correction signal to achieve a pass to pass accuracy of 1-2cm.



### NH 372 receivers

- New Holland 372 antenna receives both DGPS and GLONASS signals and is fully compliant with EGNOS, OmniSTAR, RTX, 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



### IntelliView™ - visible intelligence

- The ultra-widescreen 26.4cm IntelliView IV colour touchscreen monitor can be used to manage the optional IntelliSteer autoguidance system
- The IntelliView monitors enable fingertip programming of a variety of guidance paths, from straight A-B runs to complex adaptive curves
- Settings can be personalised and data transfer is possible using PLM® Connect File Transfer and PLM desktop software packages



### Maize guidance

- Maize headers can be specified with automatic row guidance to keep the combine perfectly on course
- Two sensors continuously monitor the position of the crop entering the header, and automatically guide the combine to ensure true perpendicular entry even in poor visibility or at high speeds
- The system can be linked to a GPS positioning system, which can distinguish between cut and uncut rows, to facilitate night-time harvesting and skip row functionality



### SmartSteer System

- By scanning the edge between the cut and uncut crop with a laser eye, the SmartSteer auto guidance system automatically guarantees the header is always full, and allows the operator to concentrate on other combine functions to maintain maximum performance

# Integrated yield and moisture sensing.

The CX7 and CX8 range of combines have been engineered by design with precision farming features right at its very heart. Yield information is continually updated and displayed on the IntelliView™ IV monitor. This data can be stored, downloaded and analysed with PLM® Connect telematics precision farming software to establish accurate yields maps. These can be used to fine tune inputs to maximise yields and minimise input costs.



## Real time moisture sensing

- New Holland's moisture sensor measures grain moisture in real time
- Samples are taken every 30 seconds and the data is sent to the IntelliView IV monitor
- The operator is kept continually informed and can adapt machine parameters accordingly

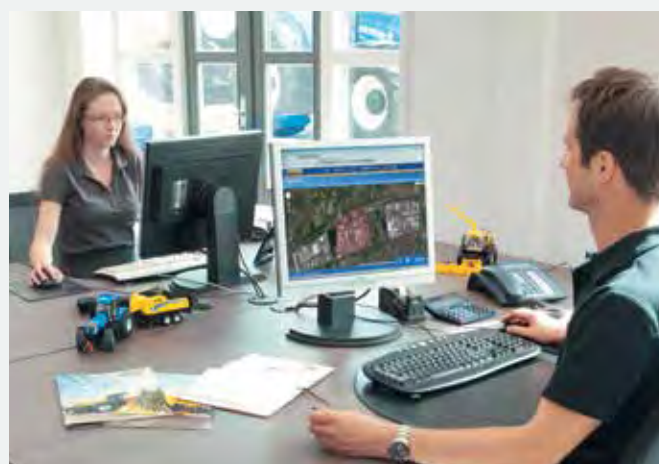


## Yield mapping

- The exclusive patented, high accuracy yield sensor developed by New Holland neutralises the rubbing effect of grain, and is generally recognised as the best in class
- The sensor generates an extremely accurate yield measurements regardless of the variety or the moisture content of the kernel
- Furthermore, calibration is performed just once a season

# Telematics: manage your machine from the comfort of your office.

PLM Connect enables you to connect to your CX and view over 74 machine parameters from the comfort of your office. The new wireless file transfer feature allows easy and secure data transfer to and from your machines. This means easier access or transfer of data such as guidance lines, boundaries, coverage maps, yield and moisture data. In short, PLM Connect will help you to reduce your fuel bills and improve fleet management and security in one simple package.



## My New Holland

Manage your PLM applications and your entire farm operation, equipment and support through one centralized location. **MyNewHolland.com** provides the infrastructure to connect your farming operation and share information, while using PLM Connect telematics to manage your fleet logistics, utilization and productivity. Key My New Holland features include:

- PLM Connect
- PLM customer support
- Product guides and manuals
- Warranty documents
- PLM training materials
- Frequently asked questions

New Holland offers a variety of precision farming packages which will enable you to tailor your inputs to reduce your costs and increase your yields. This information is recorded in real time by your machine during working, and it is simply and efficiently transferred for analysis by the computer package from the IntelliView IV monitor via the complementary 4GB USB stick, which is large enough to record data from over 600 - 700 harvesting hectares.

## 360°: CX7 and CX8.

The CX7 and CX8 range has been designed to spend more time working and less time in the yard. After all, we all know how precious time in the field is during short harvesting seasons. All service points are easy to access, and the service intervals are exceptionally long. To ensure optimal lubrication at all working positions, operators can select the variator lube function at the touch of a button.



The entire inside of the combine can be cleaned using the Cleanout function. The sieves, concaves and drum are fully cleaned. Perfect when switching between crops or when harvesting for seed.

The fuel and 170 litre AdBlue tanks are conveniently located next to each other to facilitate simultaneous filling.

Engine and hydraulic oil can be checked at a glance, without the need to open any panels.

Wide opening rotary dust screen and optional air compressor simplify cleaning of the cooling package.



The air filter is easily accessible from the engine platform.

Easy ground-access to all oil filters and drain points and centralised greasing banks.

Self-supporting, fully opening shielding.



The integrated water tank is placed ideally for washing hands before cab entry.



### Dealer Installed Accessories

A comprehensive range of approved accessories can be supplied and fitted by your dealer.

# New Holland Services.



## Finance tailored to your business

New Holland Blue Leaf Finance is well established and respected within the agricultural sector. Advice and finance packages tailored to your specific needs are available. With Blue Leaf Finance, you have the peace of mind that comes from dealing with a financing company that specialises in agriculture.

## Service plus - long lasting confidence

Service Plus coverage provides owners of New Holland agricultural machinery with additional cover on the expiry of the manufacturer's contractual warranty. Please ask your dealer for more details.



## Trained to give you the best support

Your dedicated New Holland dealer technicians receive regular training updates. These are carried out both through on-line courses as well as intensive classroom sessions. This advanced approach ensures your dealer will always have the skills needed to look after the latest and most advanced New Holland products.



## New Holland App

iBrochure - NH Weather - NH News - Farm Genius  
PLM Calculator - PLM Academy



## New Holland Style

Want to make New Holland a part of your everyday life? Browse the comprehensive selection on [www.newhollandstyle.com](http://www.newhollandstyle.com). A whole range of items are available including hard wearing work clothing and a vast selection of scale models, together with so much more. New Holland. As individual as you.

Models		CX7.90	CX8.80	CX8.90
<b>Grain header</b>				
Cutting width: High-Capacity grain header	(m)	5.18 - 7.32	6.10 - 9.15	6.10 - 9.15
Varifeed™ grain header	(m)	4.88 - 9.15	6.70 - 12.50	6.70 - 12.50
Superflex header	(m)	6.10 - 9.15	6.10 - 10.67	6.10 - 10.67
Knife speed Standard	(cuts/min.)	1150	1150	1150
Varifeed grain header	(cuts/min.)	1300	1300	1300
Spare knife and spare bolted knife sections		●	●	●
Feeding auger with full-width retractable fingers		●	●	●
Reel diameter	(m)	1.07	1.07	1.07
Electro-hydraulic reel position adjustment		●	●	●
Automatic reel speed synchronisation to forward speed		●	●	●
Hydraulic quick coupler (single location)		●	●	●
<b>Maize headers</b>				
Number of rows flip-up maize headers		6 - 8	6 - 8	6 - 8
Number of rows rigid maize headers		6 - 12	6 - 12	6 - 12
Integrated stalk choppers		○	○	○
Rotary dividers		○	○	○
<b>Header control systems</b>				
Automatic stubble height control		Automatic	Automatic	Automatic
Compensation mode		●	●	●
Autofloat™ system		●	●	●
<b>Straw elevator</b>				
Number of chains		3	4	4
Power reverse hydraulic header and elevator reverser		hydraulic	hydraulic	hydraulic
Lateral flotation		●	●	●
Front face adjustment		●	●	●
<b>Harvest Suite™ Ultra cab glass area</b>	(m²)	6.3	6.3	6.3
Cab category level - EN 15695		2	2	2
LED working lighting pack		●	●	●
LED long distance lights		●	●	●
Standard cloth trimmed seat with air-suspension		○	○	○
Deluxe cloth trimmed heated air-suspension seat with Active Ventilation		●	●	●
Leather trimmed heated air-suspension seat with Active Ventilation		○	○	○
Instructor seat		●	●	●
Leather steering wheel		○	○	○
CommandGrip™ handle		●	●	●
IntelliView™ IV monitor with adjustable position		●	●	●
Second IntelliView IV monitor		○	○	○
Wide angle shatterproof mirrors		●	●	●
Three viewing cameras		○	○	○
ACS (Automatic Crop Settings)		●	●	●
Air-conditioning and coolbox		●	●	●
Automatic climate control		○	○	○
Heating		○	○	○
Removable fridge		●	●	●
MP3 bluetooth radio (hands free phone calls)		●	●	●
Four speaker system		●	●	●
Optimum cab noise level - 77/311EEC	(dB(A))	73	73	73
<b>New Holland Precision Land Management systems</b>				
<b>PLM Connect telematics</b>		○	○	○
<b>Guidance systems</b>				
SmartSteer™ automatic guidance system		○	○	○
IntelliSteer® ready automatic guidance system		○	○	○
IntelliCruise™ system		○	○	○
Automatic row guidance system for maize headers		○	○	○
<b>Precision farming</b>				
Moisture measuring		○	○	○
Yield measuring and moisture measuring		○	○	○
Full precision farming package including:				
Yield measuring and moisture measuring, DGPS yield mapping		●	●	●
PLM® desktop software and software support service		●	●	●
<b>Threshing drum</b>				
Width	(m)	1.3	1.56	1.56
Diameter	(m)	0.75	0.75	0.75
Standard type / Universal type		● / ○	● / ○	● / ○
Number of bars		10	10	10
Speed range	(rpm)	305 - 905	305 - 905	305 - 905
<b>Drum concave</b>				
Sectional concaves		○	○	○
Area	(m²)	0.98	1.18	1.18
Number of bars		16	16	16
Wrap angle	(degrees)	111	111	111
<b>Beater</b>				
Four paddle and four teeth drum diameter	(m)	0.475	0.475	0.475
Beater concave area	(m²)	0.24	0.29	0.29
<b>Rotary Separator</b>				
Diameter	(m)	0.72	0.72	0.72
Speed	(rpm)	387 / 700	387 / 700	387 / 700
Quick speed change without tools		●	●	●
Concave area (including rake)	(m²)	0.78	0.93	0.93
Multi-Thresh™ system		●	●	●
Total powered separation area	(m²)	2.11	2.54	2.54
Straw Flow™ beater		●	●	●

Models		CX7.90		CX8.80		CX8.90
<b>Strawwalkers</b>						
Number		5		6		6
Opti-Speed™ variable strawwalkers		●		●		●
Separation area	(m²)	4.94		5.93		5.93
<b>Cleaning</b>						
Self-levelling cleaning shoe		●		●		●
Opti-Clean™ cleaning system***		●		●		●
Grain pan removable from front		●		●		●
Pre-cleaning system		●		●		●
Total sieve area under wind control	(m²)	5.4		6.5		6.5
Remote control sieve setting		●		●		●
<b>Cleaning fan</b>						
Opti-Fan™ system		●		●		●
Number of blades		6		6		6
Self-levelling cleaning shoe drive		Hydraulic		Hydraulic		Hydraulic
Fixed cleaning shoe drive		Mechanical		Mechanical		Mechanical
Self-levelling cleaning shoe variable speed range	(rpm)	200 - 1100		200 - 1100		200 - 1100
Fixed cleaning show variable speed range - Optional low	(rpm)	210 - 495		210 - 495		210 - 495
- Standard high	(rpm)	500 -945		500 -945		500 -945
Double outlet fan		●		●		●
Electrical speed adjustment from the cab		●		●		●
<b>Return system</b>						
Roto-Thresher™ system	(Number of rotors)	1		2		2
Returns indication on IntelliView IV monitor		●		●		●
<b>Grain elevator</b>						
High capacity grain elevator with heavy duty chain and flaps		●		●		●
<b>Grain tank</b>						
Folding covers capacity standard / optional	(l)	10000		11500		12500
Central filling, folding bubble-up extension		●		●		●
<b>Unloading auger</b>						
Overtop unloading		●		●		●
Unloading speed	(l/s.)	125		125		125
Grain sample inspection door		●		●		●
Grain tank fill warning device		●		●		●
Unloading auger swivel reach	(degrees)	105		105		105
<b>Electrical</b>						
12 volt alternator standard / optional	(Amps)	190		190		190
Battery capacity	(CCA / Ah)	730 / 2x107		730 / 2x107		730 / 2x107
<b>Engine*</b>		FPT Cursor 9*		FPT Cursor 9*		FPT Cursor 10*
<b>Compliant with emission regulations</b>		Tier 4B/Stage 4		Tier 4B/Stage 4		Tier 4A/Stage 3B
Capacity	(cm³)	8700		8700		10300
ECObLue™ SCR system (Selective Catalytic Reduction)		HI-eSCR		HI-eSCR		SCR
Injection system		Common Rail		Common Rail		Unit Injectors
Gross engine power @ 2100rpm - ISO 14396 - ECE R120	[kW/hp(CV)]	245/333		265/360		330/449
Max. engine power @ 2000rpm - ISO 14396 - ECE R120	[kW/hp(CV)]	275/374		295/401		360/490
Approved Biodiesel blend		B7**		B7**		B20**
Electronic governor type		●		●		●
Fuel consumption measuring and read-out on IntelliView IV monitor		●		●		●
Air compressor		●		●		●
Engine rotary air screen blow off system		○		○		○
<b>Fuel tanks</b>						
Diesel capacity / AdBlue capacity	(l)	750 / 170		1000 / 170		1000 / 170
<b>Transmission</b>						
Hydrostatic		●		●		●
4-speed gearbox		●		●		●
Remote gearshifting		●		●		●
Differential lock		●		●		●
Powered rear wheels		○		○		○
Maximum speed standard / optional	(kph)	30 / 40		30 / 40		30 / 40
SmartTrax™ system		○		○		○
SmartTrax rubber tracks with Terraglide™ suspension		○		○		○
<b>Residue management</b>						
Integrated straw chopper		●		●		●
Remote adjustable deflectors		●		●		●
Chaff spreader		●		●		●
Opti-Spread™ residue management		○		○		○
<b>Weight</b>						
Standard version on tyres, less header and less strawchopper	(kg)	14802		15538		16034

● 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

Model Dimensions	CX7.90		CX8.80				CX8.90			
	Wheels		Wheels		SmartTrax		Wheels		SmartTrax	
With traction wheels / tracks[ A]	710/75 R34	IF800/70R32	710/75 R34	IF900/60R38	24"	28.5"	710/75 R34	IF900/60R38	24"	28.5"
Ground Contact Area (m2)					1.4	1.7			1.4	1.7
Maximum Height in transport position	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Maximum width - transport (m)	3.25	3.49	3.48	3.75	3.448	3.75	3.48	3.75	3.48	3.75
Maximum length with standard unloading tube without header	9.07		9.07				9.07			

[A] Traction wheels / tracks other than those mentioned are available: 710/70R42, 800/70R32, 800/75R32, 900/60R32, 900/60R38, 900/65R32/R2, 1050/50R32, SmartTrax 24", 28.5" and SmartTrax with Terraglide suspension 24", 28.5" and 34"

# New Holland Top Service: customer support and customer information.



## Top Availability

If you need information, please contact your local dealer.



## Top Speed

Express parts delivery: when you need it, where you need it!



## Top Priority

Fast-track solution during the season: because your harvest can't wait!



## Top Satisfaction

We drive and track the solution you need, keeping you informed: until you are 100% satisfied!

AT YOUR OWN DEALER



[www.newholland.co.nz](http://www.newholland.co.nz)

