CR EVO
COMBINE HARVESTERS

CR 6.80

CR Evo Series harvesting evolution.

Conceived for your fields

Good harvesting starts in the farmer's heart. Tending the land is much more than a job: it's a vocation. Your fields feel the care you give them, and give it back to you by providing their best produce. Only those who experience this relationship at first hand can fully explain it.

But you don't need to do this all by yourself. New Holland is always by your side in understanding what you and your land need and in offering the right solutions, designed precisely for the challenges your production faces.

It is thanks to this dedication that we are able to develop machines such as CR Evo Series combine harvesters. They come with a complete set of advanced features, ideal for the kind of work you do. You become more productive, your work becomes easier, and your business becomes more profitable.

Your passion drives your fields. New Holland is always ready to help you achieve even more.

CR6.80 Frame

Many factors combine to achieve a perfect harvest. New Holland knows every detail that can help you.

ASP – our advanced stone detector system protects your machine, making your operations safer and more productive.

Twin rotor
The only machine on the market featuring twin rotors. CR Evo Series combine harvesters produce optimal grain quality thanks their incomparable threshing and separation processes.

Opti-Spread Our chaff distribution system enables uniform residue distribution even on slopes and in cross winds.

Throughout the process, CR Evo Series combine harvesters offer farmers increased profitability, productivity, and grain quality.

Feeding system

Tailor-made technology for your productivity

Thanks to changes to the feeder floor and to the hydraulic cylinders, the CR Evo Series features high feed capacity and is compatible with headers up to 45 ft. Since they are as wide as the rotors, there is no funnelling of gathered material when transitioning from the feeder into the twin rotors: making the threshing and separation process easier.

A new, reinforced straw elevator, and double cylinders for lateral float, provide greater durability for components, as well as better response in lateral fluctuation.

S3 Rotor

Double efficiency

Over 40 years of efficiency. We improved the S3 Rotor in order to achieve the best threshing and separation performance available on the market. Its geometry generates up to 40% more centrifugal force, enabling threshing with virtually no loss. In addition, swift operation and high rotation speeds increase the flow of material that goes through the machine, as well as the amount of material intake.

The twin rotor technology has been displaying its harvesting efficiency for over 40 years and is exclusive to New Holland. This system provides a threshing and separation process unlike any other. Increased centrifugal force provides smoother threshing, and this results in better grain quality.

The twin helix feeding concept guarantees constant flow of material and smooth transition from the feeder into the rotors. We redesigned the threshing bars to increase threshing capacity while optimising the passage of material through the concave part.

In addition, directional vanes were redesigned to reduce potency consumption, allowing the machine to process more material. The vanes are adjustable and enable optimal performance for all types of conditions and cultures.

Cleaning system

Tailor-made technology for your productivity

The exclusive New Holland grain pan has no divisions, and this enables the material to spread uniformly throughout its surface.
Furthermore, the pan stratifies the grains and positions them below the chaff bed. Thus, part of the grain is separated immediately when it reaches the pre-sieve point, increasing process efficiency by up to 20%.

High productivity for any crop

New Holland's cleaning system is capable of processing greater grain and chaff volume, without losing efficiency. The sieve type can be tailored for different crops, one for small grains and another for crops such as corn and soy. The shaking angle may also be adjusted according to the crop, maintaining machine performance.

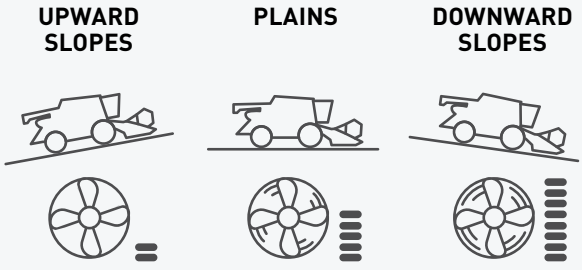
More precise air flow

A perfect combination of sieves and fans is needed to carry out a fully thorough cleaning process. The exclusive design of New Holland's fan generates greater air volume which blows the material at constant pressure. Two side openings on the fan and the internal deflectors direct air currents into the sieves, further improving the process.

Opti-Fan

The efficiency of flat terrain on hillsides

New Holland is always concerned with farmers' profitability, so the CR Series includes an additional feature: the Opti-Fan. Using sensors, this unit detects the combine harvester's longitudinal slope and adjusts fan speed automatically. On upward slopes, material usually leaves the cleaning area more quickly. Accordingly, the Opti-Fan reduces fan RPM, decreasing sieve losses. The opposite is true for downward slopes, where material usually flows more slowly. Again, Opti-Fan is activated, now increasing fan RPM, which blows air harder on the gathered chaff, guaranteeing clean grain.



Return

Roto-Thresher

The roto-Thresher return system is a modern directing and monitoring system for return material. At the end of the process, returned grains go back into the pan to be separated from chaff instead of entering the rotors. Thus, the combine harvester's threshing capacity is not hindered. The machine monitors the complete volume of returned material. The operator receives this information on the Intelliview IV display in their cab.

Residue Management

The integrated chopper is located in the discharge area of the rotors. It replaces the straw accelerator, reducing power consumption.

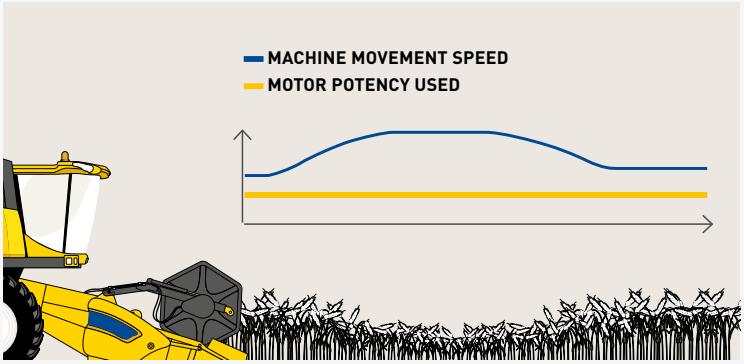
Two speeds available for 700 and 2700 RPM with adjustable counter knives that can be removed for longer straw.
The horizontal rotary spreaders are powered by hydraulic motors with a speed range from 0 to 450RPM and total coverage of harvested area. The horizontal rotary spreaders and the spreader can be removed so you can easily enter the sieve area.

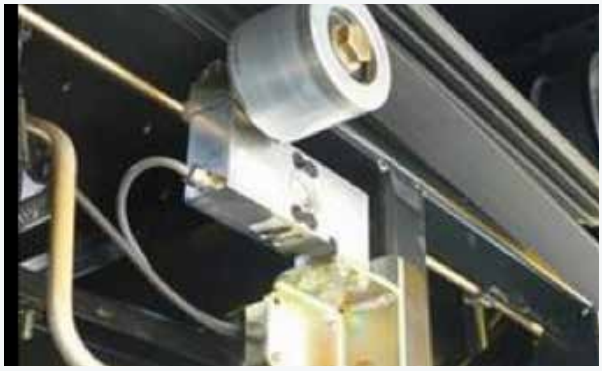
Full efficiency at all times

Intellicruise™

Do you want to know how much, when, and where to adjust your machine's travelling speed so that it always operates at full capacity? IntelliCruise™ does that for you. And even better, it does so automatically.

Material intake quantity is measured using a sensor mounted at the drive belt of the chaff elevator. In areas where crops are lighter, IntelliCruise™ increases machine travelling speed, so that it always operates at the engine's full capacity.
As well as this, the system can also be configured to be based on grain loss level, automatically helping operators set the lowest loss rates.





Automatic Crop Settings (ACS)

Efficiency and convenience from within the cab

To make operation easier, CR Evo memorises predefined settings, which are easily activated via the Automatic Crop Settings (ACS) button. This decreases the set-up times between different crops and different conditions.

You can selected among pre-installed settings or configure two harvesting parameters for each crop, including rotor speed, concave opening, sieve opening, and fan speed.

To make operation even simpler and to guarantee less grain loss, ACS allows you to set up **automatic end-of-the-row manoeuvres.** When operators finish one harvesting row and manoeuvre to start the next, the system recognises this movement when the header is raised, then performs the pre-set operations, including changes to fan speed and sieve opening and closing. Activating the return to cutting button, harvesting options are then quickly restored.

Cab

More comfort for those whose eyes are always on the future

The CR Evo Series features the largest and most comfortable cab available on the market. All machines in the Series offer the same 5.8 m2 glass cab, providing excellent ground visibility and machine operability. The Harvest Suite™ cab also features completely adjustable air suspension, an additional seat for an instructor, and leather seats.*
Combining comfort and easy operation, the CR Evo offers electronic 4-speed drive gears.

*Optional.

SILENCERS
Less vibration.
More comfort.

To eliminate vibration, the cab features four rubber silencer blocks that completely solve that issue, making operation easier and less tiring.

AUTOMATIC TEMPERATURE CONTROL (ATC)
The right temperature for you.

The Automatic Temperature Control (ATC) system is a standard item for the model and automatically adjusts cooling intensity inside the cab. For longer and hotter days, this model also offers a beverage cooler within reach of the operator.

SIGNALLING LIGHTS
You are never alone

There are eight working lights on the cab roof, four on the lower part of the cab, plus two row-locating lights on the mirrors supports, providing 360º lighting. Rotating beacon lights signal when the grain tank is full and also help during road transportation.

XENON (HID) HEADLIGHTS

As an optional feature, you can add four Xenon (HID) lights to the cab roof. Those emit extremely bright white light, improving operator visibility. This option was designed for clients who need to harvest at night, but prefer to maintain daytime visibility.

Precision Agriculture

Technology at your fingertips

CR Evo is prepared to be able to use New Holland's PLM precision agriculture technology. The necessary equipment may come installed from the factory or be added later, according to your needs.

The harvest monitoring package, which includes a humidity sensor, a productivity sensor, and a NH GPS antenna, provides information about crop moisture and the quantity harvested... accessible to you in real time.
In addition to the harvest monitor, the IntelliSteer autopilot system is also available. With several correction signal options ranging from free DGPS signals to RTK, the IntelliSteer decreases operator fatigue, makes the best use of the complete width of the header, and avoids losses from missed row sections or trampling.

Operation controls

More accessible controls to facilitate daily operations

Combine harvester operation controls are easily accessible and located precisely in the right places. Cutting, feeding, threshing, separating, and cleaning controls are positioned on an adjustable console to the right of the operator's seat. A multi-function lever provides immediate control over the activation of the hydrostat, the header, and the reel, as well as over the opening and activation of the unload auger. It also includes an emergency stop knob.

The side console also includes a knob that allows operators to quickly and easily change ACS configurations.
The electronic 4-speed drive gear makes changing gears as easy as turning a knob.

Precision that is worth it

INTELLIVIEW™ IV

The Intelliview™ IV colour touch display monitors all the combine harvester's functions and offers a wide variety of information about the performance of the machine.

The screen is mounted on the right-side armrest of the operator's seat. Its position may be adjusted according to the operator's needs, and it includes an USB port for data collection. It also receives images from up to three cameras.

Models		CR6.80
Grain header		
Cutting width: High-Capacity grain header	(ft)	17 - 30
Varifeed™ grain header - 22,6in. knife travel	(ft)	16 - 30
Superflex headers cutting width	(ft)	20 - 30
Knife speed Standard / Varifeed™ grain header	(cuts/min.)	1150 / 1300
Spare knife and spare bolted knife sections		●
Feeding auger with full-width retractable fingers		●
Reel diameter Standard / Varifeed™ grain header	(ft)	3.5
Electro-hydraulic reel position adjustment		●
Automatic reel speed synchronisation to forward speed		●
Hydraulic quick coupler (single location)		●
Corn headers		
Number of rows flip-up maize headers		6 / 8
Integrated stalk choppers		O
Rotary dividers		O
Automatic header control systems		
Automatic stubble height control		●
Compensation mode		●
Autofloat™ system		●
Straw elevator		
Number of chains		3
Fixed feeder drive		●
Power Reverse™ hydraulic header and elevator reverser		●
Lateral flotation		●
Front face adjustment		●
ASP system (Advanced Stone Protection)		●
Cab glass area		
Standard cloth trimmed seat with air-suspension	m^2	●
Leather trimmed heated air-suspension seat		O
Instructor seat		●
IntelliView™ IV monitor with adjustable position		●
ACS (Automatic Crop Settings)		●
Automatic climate control		●
Removable fridge		●
Optimum cab noise level - ISO 5131	(dB(A))	73
New Holland Precision Land Management systems		
PLM® Connect Telematics		O
Guidance systems		
SmartSteer™ automatic guidance system		O
IntelliSteer® ready automatic guidance system		O
IntelliCruise™ system		O
Automatic row guidance system for maize headers		O
Precision farming		O
Yield measuring and moisture measuring		O
Full Precision farming package including:		
Yield measuring and moisture measuring, DGPS yield mapping		O
Twin Rotor™ technology		
S^3 rotors		●
Rotor diameter	(in.)	17
Rotor length	(in.)	103.8
Length of auger section	(in.)	15.3
Length of threshing section	(in.)	29
Length of separation section	(in.)	43
Length of discharge section	(in.)	16.5
Fixed rotor vanes		●
Threshing concaves: Wrap angle	(°)	86
Wrap angle with extension	(°)	121
Electric adjustment		●
Separation concaves: Separation grates per rotor		3
Wrap angle	(°)	148
Cleaning		
Self-levelling cleaning shoe		●
Pre-cleaning system		●
Opti-Clean™ cleaning system		●
Total sieve area under wind control	m^2	5.4
Remote control sieve setting		●
Cleaning fan		
Number of blades		6
Variable speed range	(rpm)	200 - 1050
Double outlet fan		●
Electrical speed adjustment from the cab		●
Return system		
Single Roto-Thresher™ system		●
Returns indication on IntelliView™ IV monitor		●
Grain elevator		
High capacity grain elevator with heavy duty chain & flaps		●
Graintank		
Folding covers capacity	(l)	9000
Central filling, folding bubble-up extension		●

● Standard O Optional – Not available * Developed by FPT Industrial

Models		CR6.80
Unloading auger		
Overtop unloading		●
Unloading speed	(l/s.)	126
Grain sample inspection door		●
Graintank fill warning device		●
Unloading auger swivel reach	(°)	105
Engine		FPT Cursor 9* FPT Cursor
Compliant with engine emissions regulations		Tier 3
Capacity	(cm^3)	8700
Injection system		Common Rail
Rated engine power @ 2100rpm - ISO TR14396 - ECE R120	[kW/hp(CV)]	230/312
Maximum engine power @ 2000rpm - ISO TR14396 - ECE R120	[kW/hp(CV)]	268/364
Electronic governor type		●
Fuel consumption measuring and read-out on IntelliView™ IV monitor		●
Air compressor		●
Fuel tank		
Diesel capacity	(l)	600
Transmission		
Hydrostatic		●
Gearbox		4 speed
Remote gearshifting		●
Differential lock		●
Two speed powered rear wheels engagement		O
Maximum speed Standard	(kph)	30
Residue management		
Integrated straw chopper		●
chaff/straw spreader		O
Weight		
Standard version on tyres, less header	(kg)	16736

● Standard O Optional – Not available * Developed by FPT Industrial

New Holland.
A real specialist in your agricultural business.

AT YOUR OWN DEALER

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