

NEW HOLLAND CX5090



- 2 | 3 • **THRESHING AND SEPARATION**
 • **CLEANING**
 • **MANAGING RESIDUE**



New Holland CX5000 and CX6000 combine models benefit from the four-drum technology: threshing drum with Opti-Thresh™ system, beater, Rotary Separator, and Straw Flow™ beater. Extremely versatile, the system can be adapted to suit a wide variety of crops and different harvesting conditions with no compromise in kernel and straw quality or throughput.



**SWITCHING FROM CEREALS TO RICE:
 THE UNIVERSAL DRUM**

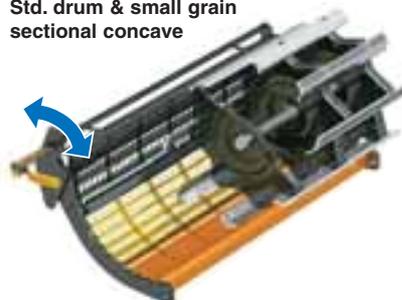
There is no need for a complete drum replacement when changing from cereals to rice, or vice versa: the slats on the universal drum can be replaced in no time.



Universal drum & rice sectional concave



Std. drum & small grain sectional concave



Std. drum & Std maize sectional concave



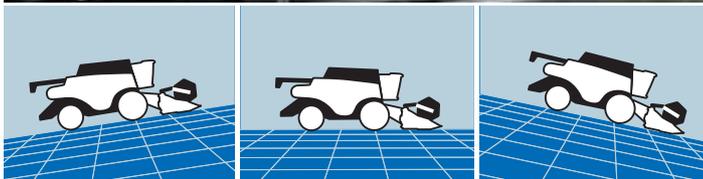


**REALLY SMART:
NO RADIAL SWING ON FLAT FIELDS**

The ingenious system that controls the lateral sieve movement is governed by the degree of the slope. To avoid unwanted radial swing/movement it incorporates a linkage to the sieves' pivot arm. This patented concept neutralises the radial swing and provides perfectly balanced sieve dynamics.

**EVEN SMARTER:
AUTOMATIC KERNEL SIZE ADAPTATION**

The lateral sieve movement is determined not only by the degree of the slope: the fan speed, which is adjusted according to the kernel size is also taken into account to determine the optimal throwing angle.



Up hill

Flat ground

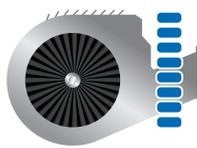
Down hill



Low fan speed



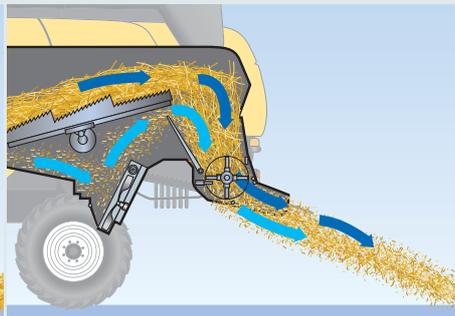
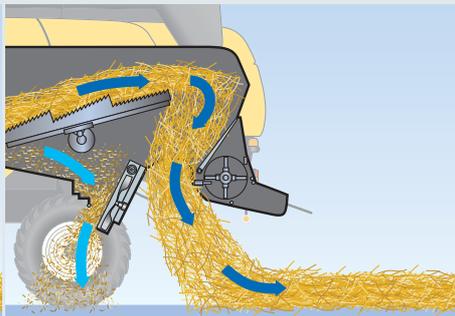
Medium fan speed



High fan speed

**DEALING WITH LONGITUDINAL SLOPES:
THE OPTI-FAN™ SYSTEM BLOWING PRECISION**

The award-winning Opti-Fan™ system consists of a simple yet very effective way of correcting fluctuations in the speed of grain flow across the cleaning shoe. Whether working up-hill or down-hill, the fan speed automatically adapts to the direction and to the degree of the slope.



**HIGH QUALITY BALES
WITH GOOD BEDDING
CHARACTERISTICS**

The unbroken straw found in the swath of a CX5000 or CX6000 combine is the result of the low aggressiveness of the threshing. The new straw hood has adjustable rakes which allow control of the swath width.

**THREE-WAY RESIDUE
MANAGEMENT: IN THE SWATH
OR ON THE STUBBLE**

There is a wide choice: A twin-disc chaff spreader spreads the chaff onto the stubble before the straw hits the ground or directs it into the swath increasing the feed value of the straw to be baled. A chaff blower mixes the chaff into the straw to be chopped for distribution together with the chopped straw.

**NO ESCAPE:
UNIFORM STRAW CHOPPING**

The optional Dual-Chop™ straw chopper includes an extra rake preventing long straw from escaping. A repeated cutting of these stems ensures very uniform chopping. The high chopper speed and the remote deflector adjustment ensure powerful and uniform spreading.

SPECIFICATIONS

MODELS

CX5090

Grain header			
Cutting width: High-Capacity grain header	(m)	4.57 - 7.32	
Extra-Capacity grain header	(m)	6.10 - 7.32	
Varifeed™ grain header (500mm of knife travel)	(m)	5.18 - 7.32	
High-Capacity Hillside grain header	(m)	4.57 - 6.10	
Knife speed	(cuts/min.)	1150	
Spare knife and spare bolted knife sections		●	
Feeding auger with full-width retractable fingers		●	
Reel diameter	(m)	1.07	
Electro-hydraulic reel position adjustment		●	
Automatic reel speed synchronisation to forward speed		●	
Hydraulic quick coupler (single location)		●	
Maize headers			
Flip-up maize headers	Number of rows	6	
Rigid maize headers	Number of rows	5*** - 6	
Remotely adjusted deck-plates		●	
Integrated stalk choppers		○	
Rotary dividers		○	
Automatic row guidance		○	
Automatic header control systems			
Stubble height control		automatic	
Compensation		●	
Autofloat™ II system		●	
Straw elevator			
Number of chains		3	
Header and elevator reverser		hydraulic	
Lateral flotation		●	
Discovery™ III cab			
Air-suspension seat		○	
Instructor's seat with removable coolbox (12V/220V)		●	
IntelliView™ III monitor		●	
CommandGrip™ handle		●	
Up to 3 viewing camera's		○	
Automatic crop settings		●	
Air-conditioning		●	
Automatic climate control		○	
Heating		○	
Optimum cab noise level - 77/311EEC	[dB(A)]	76	
New Holland Precision Land Management systems			
Guidance systems			
SmartSteer™ automatic guidance system factory fitted		○	
EZ-Guide 250 or 500 manual guidance system		○	
Cruise control mode		●	
Automatic row guidance system for maize headers		○	
Precision farming			
Moisture measuring		○	
Yield measuring and moisture measuring		○	
Full Precision farming package including: yield measuring and moisture measuring, DGPS yield mapping, desktop software and software support service		○	
Threshing drum			
Width	(m)	1.3	
Diameter	(m)	0.6	
Standard type / Universal type		● / ○	
Number of bars		8	
Speed range	(rpm)	400 - 1140	
Optional drum speed reductor	(rpm)	240 - 685	
Drum concave			
Standard concave		●	
Quick-change sectional concave		○	
Area	(m²)	0.86	
Number of bars		14	
Angle of wrap Opti-Thresh™ system open	(°)	85	
Angle of wrap Opti-Thresh™ system closed	(°)	121	
Beater			
Four paddle / pins beater drum		● / ○	
Diameter	(m)	0.395	
Beater concave area	(m²)	0.286	
Synchronisation with drum speed		●	

● 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

*** Not available on Laterale versions

**** Traction wheels other than those mentioned are also available, depending on the market (620/75-R30; 320/75-R34; 710/75-R34; 800/65-R32; 900/60-R32; 30.5x32; 1050/50-R32)

CX5090

Rotary Separator			
Diameter	(m)	0.59	
Speed	(rpm)	400 / 760	
Quick speed change without tools		●	
Concave area (including rake)	(m²)	0.84	
Multi-Thresh™ system		●	
Total powered separation area	(m²)	1.988	
Straw Flow™ beater		○	
Strawwalkers			
Number		5	
Separation area	(m²)	5.38	
Cleaning			
Smart Sieve™ self levelling: cleaning system automatic kernel size adaptation		○	
Side slope correction on Pre- and Top sieve	(%)	25	
Grainpan removable from front on fix cleaning shoe		○	
Grainpan removable from front on Smart Sieve™ cleaning shoe		●	
Pre-cleaning system		●	
Total area under wind control FS	(m²)	4.321	
Remote control sieve setting		○	
Cleaning fan			
Opti-Fan™ system		●	
Number of blades		6	
Variable speed range - Optional low	(rpm)	165 - 420	
- Standard high	(rpm)	400 - 1000	
Electrical speed adjustment from the cab		●	
Return system			
High capacity grain elevator back to drum		●	
Returns indication on IntelliView™ III monitor		●	
Grain elevator			
High capacity grain elevator with heavy duty chain & flaps		●	
Grain tank			
Capacity	(l)	8000	
Central filling, folding bubble-up extension		●	
Unloading auger			
Overtop unloading tube (4.75m)		●	
Overtop unloading tube (5.50m)		○	
Unloading speed	(l/s)	100	
Grain sample inspection door		●	
Grain tank fill warning device		●	
Unloading auger swivel reach	(°)	105	
Engine* compliant with Tier 4 emission regulations			
ECOBBlue™ SCR system (Selective Catalytic Reduction)		●	
Injection system		common rail	
Gross engine power @ 2100rpm - ISO 14396 - ECE R120	[kW/hp(CV)]	200/272	
Maximum engine power @ 2000rpm - ISO 14396 - ECE R120	[kW/hp(CV)]	220/300	
Approved biodiesel blend**		B20	
Governor type		electronic	
Fuel consumption measuring and read-out on IntelliView™ III monitor		●	
Air compressor		○	
Engine blow off system		○	
Fuel tanks			
Diesel capacity / AdBlue capacity	(l)	580 / 110	
Transmission			
Gearbox		hydrostatic	
Hydrostatic hytron pump control		3-speed	
In-line gearshifting		electronic	
Cruise control mode		●	
Differential lock		○***	
Powered rear wheels		○	
Maximum speed	(kph)	30	
Residue management			
Dual-Chop™ straw chopper		○	
Remote adjustable deflectors		○	
Chaff spreader		○	
Dimensions			
With traction wheels (****)		710/75 R34	
Maximum height in transport position	(m)	3.990	
Maximum width - transport	(m)	3265***	
Maximum length with extended unloading tube without header	(m)	8760	
Weight			
Standard version less header and less straw chopper	(kg)	12400	

New Holland prefers **AMVERA** lubricants

AT YOUR OWN DISTRIBUTOR



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New Holland with

