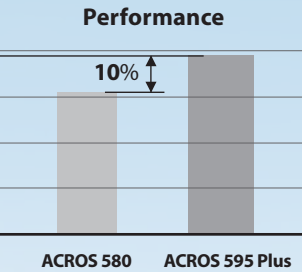


ACROS 595 Plus is an extended version of ACROS series combines geared to increase performance when combining high-yield fields, and when harvesting under challenging conditions.

ACROS 595 Plus builds on the strengths of ACROS combines and opens up new ones:

- enhanced performance (min. +10% versus ACROS 580);
- reduced content of impurities in gained grain (2 times cleaner);
- enhanced functionality (for crop residue management);
- additional ease of operation and setup



| Headers | | |
|--|----------------------------------|--|
| Power Stream ¹ grain header, m | 5/6/7/9 | |
| Float Stream header with flexible cutterbar, m | 7/9 | |
| Swa Pick 342/432 Windrow pickup, m | 4.3/4.3 | |
| Corn headers, rows | 6/8 | |
| Sunflower headers, rows | 6/8 | |
| Reel-to-ground speed synchronisation system | ● | |
| Electrohydraulic contour following system | ● | |
| Hydraulic multicoupler | ● | |
| Crop lifters | ○ | |
| Autohitch for cart | ● | |
| Feeding | | |
| Type of feeder house | conveyor and acceleration beater | |
| Electrohydraulic contour following system | ● | |
| Threshing | | |
| Drum diameter, mm | 800 | |
| Drum length, mm | 1,480 | |
| Concave coverage, deg. | 130 | |
| Total concave area, m² | 1.38 | |
| Drum speed (with reduction gearbox), rpm | 335–1,050 (200–450) | |
| Reduction gearbox | ● | |
| In-cab electrical concave adjustment | ● | |
| Jam Control ² device | ● | |
| Stone trap | ● | |
| Separation | | |
| Number of straw walkers, pcs | 5 | |
| Length of straw walkers, mm | 4,200 | |
| Straw walker separation area, m² | 6.3 | |
| Cleaning shoe | | |
| Cleaning system type | 3-sieve (2 stages) | |
| Overall sieve area, m² | 5.2 | |
| In-cab electrical adjustment of sieves | ● | |
| Cleaning fan | 2-section | |
| Cleaning fan speed, rpm | 367–992 | |
| Rethresher | autonomous | |
| Automatic centralised lubrication system | ○ | |
| Grain tank | | |
| Grain tank capacity, L | 9,000 | |
| Unloading rate, L/sec | 90 | |

| Unloading auger length, m | 4.50/5.70 |
|---|-----------------------------|
| Unloading height, m | 4.30/4.70 |
| Sampler | ● |
| Hydropulsators | ● |
| Filling sensors | ● |
| In-cab electrical opening of tank roof | ● |
| Self-contained unloader (by portions, in any position of unloading auger) | + Smart Launch ³ |
| Waterproof grain tank | ● |
| Crop residue management | |
| Chopping rotor speed, rpm | 1,800 / 3,400 |
| Number of knives, pcs | 76 |
| Windrower | + |
| Chaff spreader | ● |
| Cab | |
| Comfort Cab II ⁴ configuration | ● |
| Adviser III ⁵ information system | ● |
| Automatic driving system (GPS) | ○ |
| Yield and moisture mapping system (GPS) | ○ |
| Agrotronic remote monitoring system | ○ |
| Undercarriage | |
| Transmission | hydrostat. |
| Number of gears | 3 |
| Wheelbase, mm | 4,000 |
| Drive wheels track, mm | 3,100 |
| Ground clearance, mm | 370 |
| Turning radius, mm | 8,500 |
| Drive wheel tyre type | 30,5LR32 |
| Steering wheel tyre type | 18-24 |
| Engine | |
| Manufacturer/make | Cummins/QSL9 (Stage IV) |
| Displacement, No of cylinders, arrangement, L | 8.9 L6 |
| Output (2,100 RPM), kW/hp | 248 / 333 |
| Fuel tank capacity, L | 510 |
| Air compressor | ● |
| Overall dimensions and weight | |
| Length/width/height (without header, in transport position), mm | 8,850/3,880/3,940 |
| Weight (standard version with chopper, without header and fuel), kg | 14,330±430 |

● in base ○ option

¹ **Power Stream** is a versatile grain header with an extended table, hydraulically-operated reel and header components controlled from the cab.

² **Jam Control** is a system that removes blockages in the thresher by strongly deeply dropping the concave.

³ **Smart Launch** is a system for consecutively switching on unloading augers that ensures maximum tank unloading rate with minimised risk of plugging.

⁴ **Comfort Cab II** is a spring-mounted airtight two-seat cab with fittings for the audio system, improved noise insulation, air conditioner, heater, cooling box.

⁵ **Adviser III** is an information system with color sensor 10" display, situational framing and voice notification.

ROSTSELMASH reserves the right to improve individual characteristics without prior notice

Combine Harvester ACROS 595 Plus





1 ConturPro contour following system

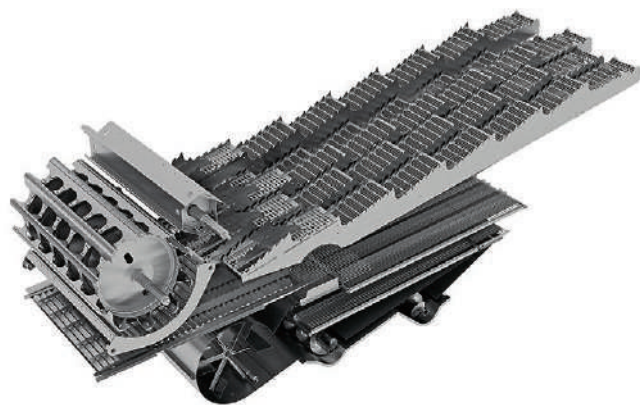
ConturPro electrohydraulic ground contour following system facilitates the harvesting process since the operator no longer has to deal with uneven ground no matter what combine ground speed is. Those operators who tried the system will agree that fatigue is much less, and ground contour is now the concern of the electronics that keeps it under accurate control. All contour following settings and adjustments are made from the cab.

3 Enlarged 2-stage cleaning shoe

The new cleaning shoe has now 2 stages: a precleaner and two air-blown height drop zones, delivering enhanced performance with the same length of sieves. The total area of the sieves has increased significantly – 5.2 sq. m versus 4.74 sq. m.

Another feature is a new 2-section fan with air intake not only at the ends, but also in the middle. The fan produces a strong and steady flow insensitive to sieve load variations. The advantage of such cleaning shoe versus traditional design is a greater combine productivity and lower content of impurities & debris in the tank grain.

The improvement in cleanliness of tank grain is significant, so it can be delivered right from the field to the storage. Another advantage is the electrical adjustment of the sieves. Now you can make all adjustments of the air flow and sieve positions without leaving the cab. Moreover, for ease of maintenance the sieves can be instantly removed.



4 Straw walker with increased area

For enhanced performance the walker length has been increased (+120 mm) and walker surface modified. The straw walker ensures intensive separation process, especially of high moisture grain.

2 Feeder house with accelerator beater

The feeder house now features an unrivalled solution – an accelerator beater at the conveyor output. Now all the material flowing to the threshing drum is not only spread evenly, but also accelerated. As a result, dynamic loads on the threshing system have reduced, and its throughput capacity has increased. The feeder house has been made 250 mm longer for more uniform feeding of the material to the thresher and better view of the cutterbar. In addition, it is now easier to load/unload the header on/from the trailer. Yet another clear benefit for those who use the combine to harvest sunflower or corn is that since there is no front beater, you don't have to retrofit the feeder house when changing over to combining tilled crops.



6 Waterproof grain tank

When operating ACROS 595 Plus, there is no need for the operator to rush if it starts raining and there is no truck to unload into. The grain in the tank will be securely protected by the special covers. Also, such solution ensures smallseeded crops that are easily blown out are retained inside irrespective of the strength and direction of the wind.



7 Comfort Cab II cab with Adviser III system

ACROS 595 Plus combines come with Comfort Cab II version. Once you are in, you'll know how comfortable a workplace can be. You will enjoy the comfort that does help work more efficiently with less stress and fatigue. The Adviser III voice information system continuously monitors the threshing process and the operation of combine's units, thus allowing for monitoring the process stability and preventing breakdowns of equipment.

8 Engine unit Cummins 333 hp

ACROS 595 Plus is equipped with Cummins QSL 9 (Stage IV) turbodiesel engine, in-line six cylinder with displacement of 8.9 L, 333 h. p. (248 kW at 2,100 RPM). The operator can control engine easily with the button-type switch on the cab control panel. Torque reserve is up to 25%. Powerful but rather compact, this engine provides a very modest fuel specific consumption. Air intake mesh with forced rotation (by hydraulic motor) is used in the intake air cleaning system. Air compressor in standard package.



9 Total control over chaff

ACROS 595 Plus combine equipped with a chaff spreader downstream of the cleaning sieves. Speed of spreader rotors is adjusted both from the cab, and from the outside by means of a flow valve. If you don't need the spreader, you can easily and quickly detach it, and the hydraulic system will close the circuit. Chaff spreading is a key element of sustainable no-till and minimal till technologies.



10 New straw chopper/spreader

The straw chopper/spreader for ACROS 595 Plus combines is in many ways different from lower range models. The chopping/windrow mode valve has been moved to the back wall of the chopper, and when swathing it directs the material in, rather than against, the direction of combine's movement through an opening in the hood. This solution is more beneficial since when the combine is stopped while in the windrowing mode, the material will not build up under the chopper.

