

Case IH Axial-Flow®: Best headers for best combines

New headers launched on the European market

All new: 3100 draper headers for gentle continuous crop flow / 3016 pick-up header to effectively harvest cereal grains, beans, peas, lentils, canola or grass seed from windrows / 3020 flex auger header for soybean harvesting / 3050 header model 12.5m (41ft) effective cutting width for increased combine capacity and 12m controlled traffic farming operations / 4400 corn header series for higher grain savings

St. Valentin/Chartres, 28.07.2014

High performance grain and corn headers are an essential part of the Case IH Axial-Flow® legacy. Case IH brand engineering is known to design reliable and rugged high-performance headers to match the capacity requirements of the Axial-Flow® combines harvesting in all crops all over the world. Case IH engineers have been – and continuously are – hard at work designing grain and corn headers that provide even greater performance and reliability. The Case IH header product line has thus advanced to new levels of size, productivity, features, and customer convenience in order to take full advantage of the increased productivity of the new Axial-Flow® combines of the 140 and 240 series.

3100 series draper headers

The 3100 draper headers are new additions to the Case IH header line-up and replace the current 2100 draper header range. These new draper headers provide the latest advances in harvesting technology and are designed to maximise the performance of Axial-Flow® combines, no matter what the farm size. With today's high horsepower Axial-Flow® combines, faster harvesting speeds, tougher crop genetics, and unpredictable harvesting conditions, the 3100 series draper headers have been engineered to harvest efficiently at very high productivity levels.

Advantages of Case IH draper headers

Case IH 3100 series draper headers are available in five cutting widths from 7.62m to 12.5m and feature two side draper belts and a centre draper belt. The belts allow the crop to be gently conveyed across the draper floor and into the feeder house such that heads of the plants are always fed first. That allows for a much more consistent flow of material into the combine feeder house, thus requiring much less horsepower to thresh.

Reliable, simple, productive, and with a maximum of grain saved!

To ensure the highest levels of reliability, extensive tests in both the lab and the field were conducted in many different crop types and harvesting conditions. With working widths from 7.62m to 12.5m and many standard features such as in-cab cutter bar control, hydraulic fore / aft tilt and a cam action reel, these headers allow for more hectares to be harvested per day.

The adjustable cutter bar angle to meet changing field conditions optimises crop feeding and improves productivity as well as ground following capabilities and is standard on all draper headers. The draper headers can be supplied with a flexible knife, to harvest crops with low hanging pods such as soybeans.

3016 pick-up headers for harvesting crops from windrows

Harvesting crops from windrows has quite a tradition in canola and grass seeds as this system allows for greater flexibility and reduced stress which might be caused by adverse weather conditions. Maximum harvesting capacity and minimum losses are two of the key features of Case IH pick-up headers. The 3016 belt-type headers for Axial-Flow® combines are suitable for a wide range of crops as they have been developed to also harvest cereal grains, beans, peas, or lentils just as conveniently. Header widths are 3.6m for grass seeds and 4.5m for small grain and all other crops.

A contour-following variable speed pick-up belt gently picks up the crop and conveys it to a secondary belt which, together with the adjustable spring-type hold down fingers, gently feeds the crop into the header auger. The main advantage is that sensitive crops are fed into the combine without damaging the ears or pods and thus not exposing the valuable seeds prematurely. This results in markedly reduced seed losses and uninterrupted work, even in irregular windrows. The pick-up headers are designed to handle large fluffy windrows and their width also allows the feeding of dual windrows.

Standard features include single lever, quick attach header latching, single point / single lever header hydraulic coupler, auger-floating 66cm in diameter with a deep flighting and double V finger pattern with retractable, 16mm diameter auger fingers which are protected by a break groove.

Operation of Case IH 3016 pick-up headers is easy and time-saving, as no daily service points need to be taken care of.

3020 flex auger header for most demanding harvesting conditions

The 3020 flex auger header is a new addition to the Case IH header line-up replacing the 2020 flex auger header and providing the latest advances in harvesting technology. This header is designed to maximise the productivity and performance in soybeans or crops that need to be cut close to the ground to prevent seed losses, and this at high capacity in all conditions. What sets the Case IH 3020 header apart from other models is the all new flexible cutter bar. It incorporates a fully adjustable suspension system that is designed to follow constantly changing ground contours at very low height without digging into the soil. The header can be locked either manually or from the combine cab in 'rigid' mode and then be used in other cereal crops as well.

Working widths from 6m to 10.5m

Case IH 3020 flex auger headers are available in working widths of 6m, 7.6m, 9.1m, and 10.7m with a heavy-duty single knife drive as standard feature. This knife is driven from the left side and provides superior cutting capabilities in even the most demanding crops and conditions. The 9.1m and 10.7m flex auger headers are also available with an optional dual knife drive. The dual knife drive design features complete drives from both the left and right sides of the header, including two knives that are half the length of the entire working width. This reduces the torque load exerted on the knife drive system when using the wider headers.

All 3020 headers are standard-equipped with medium length crop dividers, which are recommended for most crop conditions. In tough conditions such as particularly tall crops, an optional long crop divider is available. If needed, rod crop dividers can also be ordered as a field-installed option.

3050 header model 41ft with 12.5m effective cutting width

With the 3050 header model 41ft, Case IH completes the offering from 4.88m up to 12.5m grain headers to fulfil all customers' demands. Thanks to an effective cutting width of 12.5m, this new header allows for an increased combine capacity. In addition, there is a particular benefit with regard to soil protection, as wider headers mean less passes and thus less soil compaction. At the same time, it has proven to be more economical to harvest with a slower speed but wider working widths.

Reliable, durable and developed for controlled traffic farming operations

In order to maintain the proven reliability and durability of the VariCut header range, higher torque drivelines have been introduced for the new 3050 41ft model which also features split auger centre support, four height sensors for improved header height control and a dual wobble drive knife. The

12.5m cutting width is particularly suitable for 12m controlled traffic farming operations with 0.5m overlap (guidance signal corrections).

In addition to the new model, the VariCut header range now offers improved feeding due to the rephased retractable auger fingers that have been changed to allow the fingers to extend earlier.

4400 corn header series for higher grain savings

The new Case IH 4400 corn headers are available in 6 / 8 / 12 rows with a spacing of 70cm, 75cm or 80cm. Whereas the 6 and 8 row 70cm spacing headers and all 12 row headers are rigid, the 6 and 8 row 75cm / 80cm spacing units are foldable and end up in a transport width of less than 3.45m. All 4400 corn headers allow for higher grain savings due to a new all snout profile. These corn headers offer particularly increased productivity in lying crop conditions.

Redesigned divider profile and double walled poly construction for higher reliability

The front of the divider is narrow with a lower profile, and the divider point is constructed to better slip under down corn, thus improving picking performance. The narrow profile enables the front gathering chain sprocket to be more exposed to pull in the stalks. As the dividers do not have a steel frame anymore, they offer better flexibility if the divider runs into the ground, as double poly offers one of the most robust snout design in the industry.

The new industry exclusive patented Case IH corn retention louvers on the dividers maximise grain savings as the new plastic design directs loose kernels back to the rear of the row unit and the gathering chain then transitions them back to the auger. The clear benefit for farmers: This system avoids having any losses!

For improved serviceability and increased productivity, the new outer dividers have been moved out further on the 4400 series. This setup provides better clearance for incoming stalk material on the outer rows. To increase cob retention, the spiral augers have also been positioned further out on the end shield compared to the previous 2100 series.

Designed for easy access and excellent serviceability

Row unit front dividers on the Case IH 4400 corn headers can easily be raised or lowered for transport, even when the header is on the ground. The stronger divider latch has been improved to allow for one handed operation, and a gas strut is used to provide lift assist when opening or closing the divider.

Press releases and photos <http://mediacentre.caseiurope.com/>.

Case IH is the professionals' choice, drawing on more than 170 years of heritage and experience in the agricultural industry. A powerful range of tractors, combines and balers supported by a global network of highly professional dealers dedicated to providing our customers with the superior support and performance solutions required to be productive and effective in the 21st century. More information on Case IH products and services can be found online at www.caseih.com.

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