

# Modern Machinery Matters



Case IH has released a totally renewed and extended line of its industry-leading Axial-Flow combines. Pictured are the new 7088 and 7120 models.

## More than a skin-deep makeover for these top models

In late August, Case IH launched a new six-model range of Axial-Flow combines. Claiming more than just a 'fresh look', the 88 and 20 Series combines have new chassis, engine and drive system technology to better match machine size with the harvesting job at hand.

The 88 Series includes the Axial-Flow 5088 and 6088 (which replace the Axial-Flow 2577 and 2588 machines), as well as the completely new 7088 model.

In the 20 Series, the 7120 and 8120 replace the Axial-Flow 7010 and 8010, while the 9120 is a new model and the largest single rotor combine on the Australian market.

"With six models each offering increased harvesting capacities, there's an option to suit every cropping and contracting operation," says Case IH Hay and Harvest Manager, Geoff Rendell. "There's no need to settle for a machine that doesn't have the capacity you require, or to buy greater capacity than you need."

"We've redeveloped the chassis, the engine, the drive system as well as the axle," says Geoff, "so this is not a skin-deep makeover. The 88 Series machines are a completely new design and all of the models in both the 88 and 20 Series are B100 approved, which means they can be run on up to 100 per cent biodiesel."

"The machines have been thoroughly tested in Australia to ensure they stand up to our tough and unique operating conditions. We've tested the range extensively

over thousands of hectares in legumes, sorghum, wheat, barley and canola crops from Victoria to Central Queensland and these machines have proven they're top performers in Australian conditions."

### Excellent samples, low costs

The machines are still built around the core principles which have given excellent grain samples and low running costs for over 30 years.

"The key to the Axial-Flow combine has always been a single rotor that threshes, separates, and creates a vacuum of air that helps provide a clean operating environment. The single, in-line rotor offers gentle, crop-on-crop threshing that results in more whole kernels, fewer cracked grains

and substantially less foreign material in the sample," Geoff says.

He says growers thinking about buying a new Case IH combine would be well advised to place their orders now. "The Australian dollar has been very strong in recent times but it is weakening. By ordering now, customers can lock in a good price, as well as ensuring they're at the head of the line for what we expect to be a very popular range."

### CASE IH 88 SERIES

The 88 Series is designed to harvest more crops with lower operational costs. Features on the three new models include:

- 5088 – 5.1 m<sup>2</sup> cleaning system, 8810 litre grain tank capacity and 216 max kW (290 max HP)
- 6088 – 5.1 m<sup>2</sup> cleaning system, 10,570 litre grain tank capacity and 246 max kW (330 max HP)
- 7088 – 5.1 m<sup>2</sup> cleaning system, 10,570 litre grain tank capacity and 280 max kW (375 max HP)

Design changes to the 88 Series include a 15 per cent increase in the clean grain elevator capacity and the 6088 and 7088 have a larger rotor belt drive to handle the higher crop throughput.

All three models come with standard in-cab sieve adjustment and Terrain Tracker offering lateral tilt of up to five degrees.

They also feature automatic crop settings and come standard with the Case IH AFS Pro 600 monitor. The 5088 and 6088 models are powered by an 8.3L

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Case IH engine; while the 7088 is powered by a 9.0L Case IH engine.

Unload rates have increased to 106 litres (three bushels) per second on the 6088 and 7088 and quick-folding grain tank extensions are standard. "When you fold down the extensions, the auger folds down, too, for easy transport and storage," Geoff says.

The 5088 features a 6.4 m (21 foot) unloading auger, while the 6088 and 7088 have a standard 7.3 m (24 foot) length.

The longer wheelbase on the 88 Series allows operation of wider heads without requiring rear ballast. This also allows for larger rear tyre equipment which reduces ground compaction.

"The 5088 and 6088 are designed for customers who want excellent productivity from a mid-range capacity machine, with new styling, controls and instrumentation," Geoff says.

### CASE IH 20 SERIES

Features on the three new 20 Series models include:

- 7120 – 5.4 m<sup>2</sup> cleaning system, 11,088 litre grain tank capacity and 310 max kW (415 max HP)
- 8120 – 6.5 m<sup>2</sup> cleaning system, 12,330 litre grain tank capacity and 345 max kW (463 max HP)
- 9120 – 6.5 m<sup>2</sup> cleaning system, 12,330 litre grain tank capacity and 390 max kW (523 max HP)

All Case IH Axial-Flow 20 Series models feature power rise for whenever crop conditions demand it, and the 7120 model features power rise and power boost for unloading on-the-go. "We can generate a remarkable 43 horsepower rise on the new 9120," says Geoff.

Grain tanks on the three new models are equipped with quick-folding bubble-up auger and grain tank extensions. A 7.3 m (24 foot) unloading auger is standard on all three models and is capable of unloading at 113 litres per second.

"Like the 7010 and 8010 models, the 20 Series is the only combine on the market to utilise shaft drives for the rotor, feeder

house and cutting platform," Geoff says. "No belts, a reversing rotor and the ability to clear blockages from within the cab are great features for farmers and contractors. It means you can really push the machine to the limit without the fear of hours of down time removing blockages by hand."

The 20 Series features a standard, hydraulically driven cleaning fan which is forward speed synchronised to maintain effectiveness. All models have an end-of-row function that can reduce the fan speed when raising the front, thereby reducing lost grains during turning when the combine runs empty.

All models in the 20 Series are powered by Case IH engines, matched to suit power demands. The 7120 is powered by an 8.9 litre engine, the 8120 by a 10.3 litre engine and a 12.9 litre unit powers the all-new 9120.

These engines are common with other products in the Case IH line, simplifying parts stocking and making the most of dealer technician training. ■

## MORE FEATURES OF THE NEW AXIAL-FLOW COMBINES



**88 Series**



**20 Series**

- **Spring Loaded Feeder Chain Tensioning System** – Increases chain life and optimises chain performance.
- **Terrain Tracker** – provides lateral tilt (5° in both directions for a total of 10°).
- **Wheel Base** – Extended wheel base for increased stability and smoother operation. All 88 Series combines feature a 60/40 front/rear weight distribution, which means no ballast is required.
- **Increased Clean Grain Elevator Capacity By 15 per cent**
  - Improved elevator inlet geometry
  - Increase diameter of cross auger
  - Redesigned inclined delivery auger sump and increased auger size and length.
- **Patented Cross Flow Cleaning Fan** – Provides uniform airflow across the entire sieve.
- **Sieves** – In-cab adjustment.
- **Heavy Feeder Lift Package for the 8120 and 9120** – Includes lift cylinders, a higher capacity tilt cylinder and additional feeder reinforcements for use with larger and heavier headers.
- **Feeder Chain** – 4 strand (chain) and 3 slat conveyor design that increases overall feeder chain reliability and durability.
- **Spring Loaded Feeder Chain Tensioning System** – Increases chain life and optimises chain performance.
- **Upper Feeder Top Sprockets** – 15 tooth, as compared to 11 tooth, to increase chain wrap for improved capacity.
- **Unload Auger** – Standard 24 foot unload augers with 113 l/sec unload rate – features bottom tube discharge for improved unload stream control.
- **Self Leveling Cleaning System** – Sieves remain level up to a 12 per cent slope on the 8120 and 9120, and a 14 per cent slope on the 7120, for optimal hillside performance and productivity.