

**CASE IH**  
AGRICULTURE  
FOR THOSE WHO DEMAND MORE

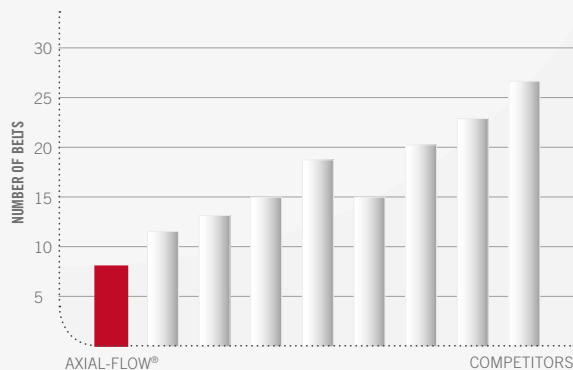
# AXIAL-FLOW®

4077 - 4088 - 4099 COMBINE HARVESTERS





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# A SUCCESSFUL HARVEST STARTS HERE

Case IH Axial-Flow® combines were launched in 1977 in the USA. Within 40 years, the product was upgraded and its capacity increased and Axial-Flow became the benchmark for harvesting all around the world. The R&D Centre and the new manufacturing complex in Harbin, China, is producing Axial-Flow combines with Global sourcing and with the worldwide Case IH quality well known by our customers. This provides farms and farmers with first class harvesting solutions and excellent capacity, performance and efficiency and unbeatable grain quality.

## ULTIMATE PERFORMANCE...

Axial-Flow 4000 Series combines exceed anything on the market when it comes to sheer output. These are machines designed to put tonnes in the trailer as fast as possible – in all crops and all conditions.

## ONE ROTOR FOR ALL CROPS AND CONDITIONS

At the heart of every Case IH Axial-Flow 4000 Series combine is the legendary 610 mm diameter Axial-Flow rotor. It's been developed to improve threshing performance in all crops and boost throughput in damp conditions, regardless of crop type or moisture content, and without compromising grain and straw quality.

## GRAIN-ON-GRAIN THRESHING

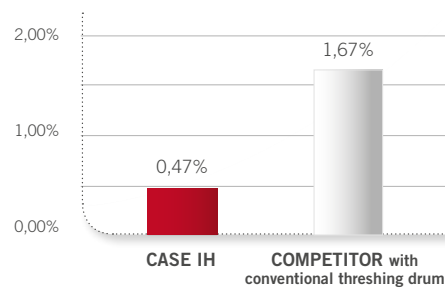
The grain-on-grain threshing action of Axial-Flow not only limits grain losses in the field through more effective separation, but also ensures that what goes into the grain tank is unbruised and unbroken, protecting top quality and adding revenue to your bottom line. There's no high-impact conventional drum like that used in conventional or hybrid combines and the transition from threshing to separation is completely seamless.

## ENJOY THE DIFFERENCE: THE CROSS FLOW CLEANING SYSTEM.

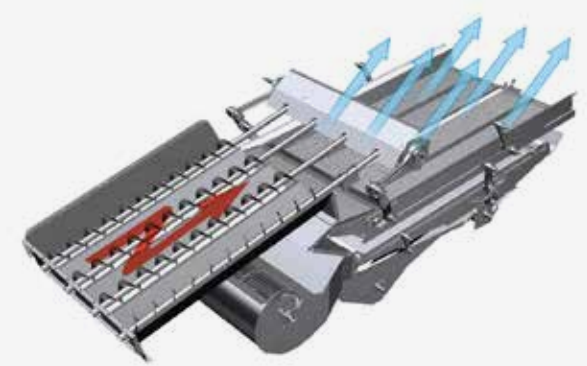
It's not just the rotor that makes the Axial-Flow different. The Cross Flow® cleaning system which follows the separation process uses chevron-shaped fins to create a uniform vortex along its axis to generate high volumes of air throughput. Unlike conventional systems, there are no air pockets created – distribution is consistent across the underside of the sieves – and fan speed is fully adjustable to cater for finer-seeded crops. The result? Higher cleaning capacity.



# AVERAGE CRACKED GRAIN CONTENT



Observed by: Agricultural Chamber of Upper Austria



- 1 Ultimate performance...
- 2 ...but not at all costs
- 3 One rotor for all crops and conditions
- 4 Grain-on-grain threshing
- 5 Enjoy the difference: the Cross Flow Cleaning System



1



2



3



# WELCOME TO YOUR HARVEST OFFICE

Total control at your fingertips

**1** Maximum performance always at hand

**2** Total control at your fingertips

**3** Turning dark nights into bright working days

Perfectly in line with the Axial-Flow family, the 4000 Series cab delivers an amazing feeling of space and comfort: exactly what's needed to guarantee optimum performance even in the longest working days. More than 3.74 m<sup>2</sup> of glass provide unrestricted panoramic view and excellent visibility of the header, the crop-flow into the feeder and unloading auger, while sitting comfortable on your suspended and individually adjustable seat. The perfect working environment is guaranteed by high air filter capacity, standard heating and optional A/C.

## MAXIMUM PERFORMANCE ALWAYS AT HAND

The easy to operate multifunction handle groups all the main combine controls in the palm of your hand for intuitive and super productive harvesting operations. Setting the harvesting speed, engaging the cutting header and controlling the unloading tube have never been so easy.

## TOTAL CONTROL AT YOUR FINGERTIPS

Delivering business class ergonomics for fatigue free operation, the right hand console integrates many of the combine's essential controls for a clear overview within easy reach. The A-post monitor keeps the operator constantly informed on many of the main key parameters, allowing the operator to perform on-the-go adjustments maintaining low losses and preserving machine longevity.

## TURNING DARK NIGHTS INTO BRIGHT WORKING DAYS

Six cab roof integrated powerful work lights deliver increased header and field visibility for higher productivity during late night harvesting. All lights controls are located on the top left hand side panel, with one switch to turn on/off the different working lights.



## DETAILS THAT MAKE THE DIFFERENCE

With the new Axial-Flow 4000 Series, Case IH paid special attention to all of the details to deliver a modern cab for the modern farmer. Curved cab glass assures the maximum visibility of all crucial combine functions. This view can be enjoyed from the comfort of an ergonomically designed operator's seat with optional cab air conditioning. Industry leading cab design actively works to reduce the noise of harvesting operations.







# A NEW DIMENSION

in productivity

Designed to tackle the challenges and constraints under which modern farm businesses must work, new Case IH Axial-Flow 4000 Series combines are engineered with innovation to meet the demands of customers requiring fast return on investment using the most advanced and gentle threshing technologies.

## FINGER ALWAYS ON THE PULSE

To overcome all these challenges and preserve grain quality, Case IH is constantly working on improving its combines, and invests heavily in research and development of existing products.

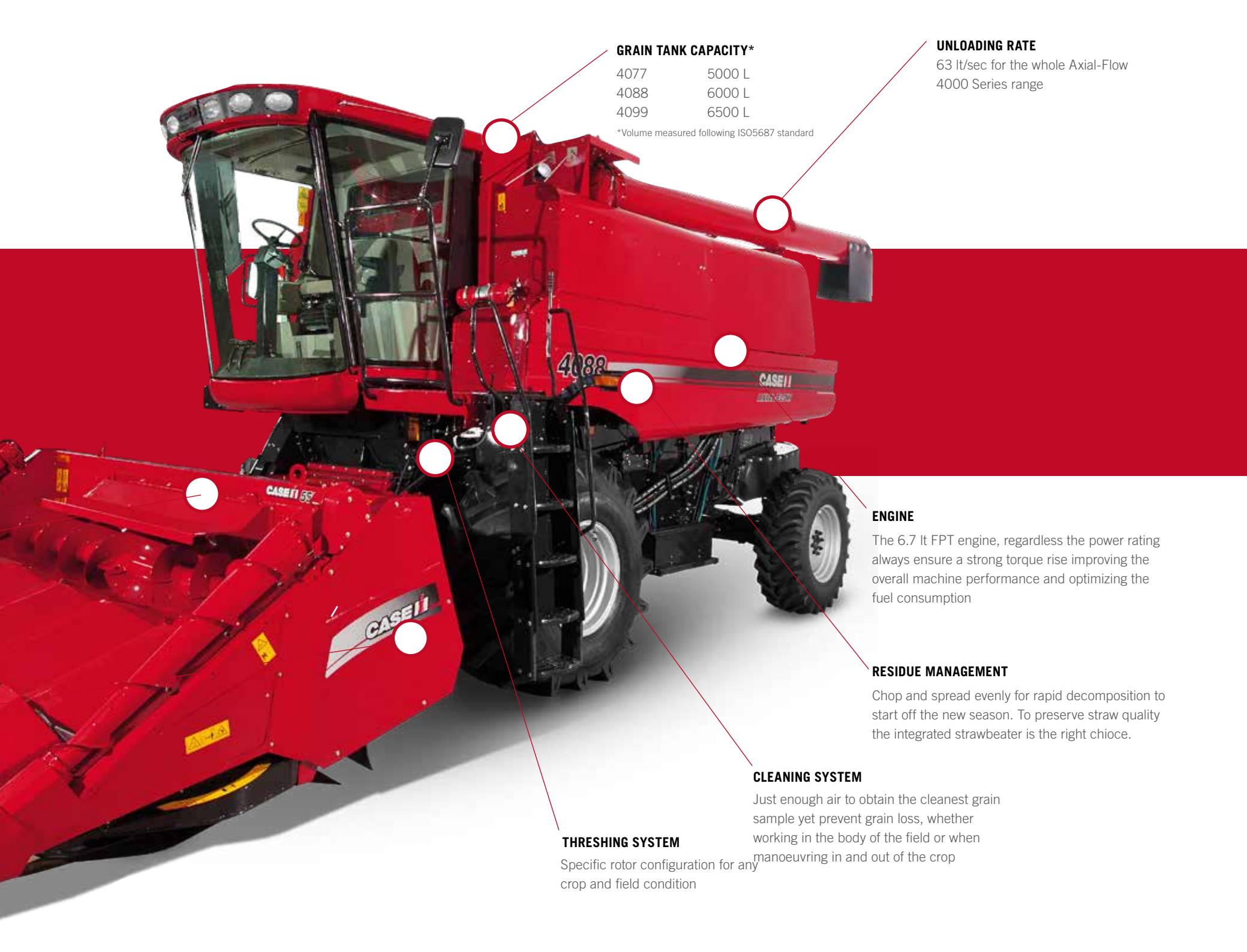
### LATERAL TILT FEEDER

The new lateral tilt function ensures perfect ground contour especially on soybean or everytime a laid crop have to be harvest

### HEADER

Axial-Flow 4000 Series combines can be equipped with the latest generation Case IH headers which are available in widths up to 6.1 m or 8 rows for corn





#### GRAIN TANK CAPACITY\*

4077	5000 L
4088	6000 L
4099	6500 L

\*Volume measured following ISO5687 standard

#### UNLOADING RATE

63 lt/sec for the whole Axial-Flow  
4000 Series range

#### ENGINE

The 6.7 lt FPT engine, regardless the power rating always ensure a strong torque rise improving the overall machine performance and optimizing the fuel consumption

#### RESIDUE MANAGEMENT

Chop and spread evenly for rapid decomposition to start off the new season. To preserve straw quality the integrated strawbeater is the right choice.

#### CLEANING SYSTEM

Just enough air to obtain the cleanest grain sample yet prevent grain loss, whether working in the body of the field or when manoeuvring in and out of the crop

#### THRESHING SYSTEM

Specific rotor configuration for any crop and field condition



# EFFICIENCY, VERSATILITY AND PRODUCTIVITY

## 2060 SERIES GRAIN HEADERS

For optimum cutting performance, the Axial-Flow 4000 Series combines can be fitted with high capacity 2060 Series grain headers. Available in three widths (4.57 m, 5.18 m and 6.10 m) and featuring robust mechanical reel drive, these headers deliver state-of-the-art, proven grain header technology. New Axial-Flow 4000 Series combines can be also fitted with 6.10 m 3020 flex headers as well as with 3.66 m 3016 pick-up header for windrowed crops.

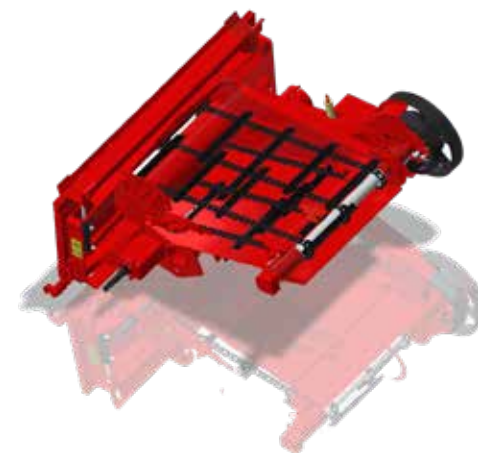
## 4000 CORN HEADER – NEW GENERATION WITH 6 ROWS

Case IH 4400 series corn headers offer excellent picking ability in both standing and down corn, increasing grain savings in all circumstances.

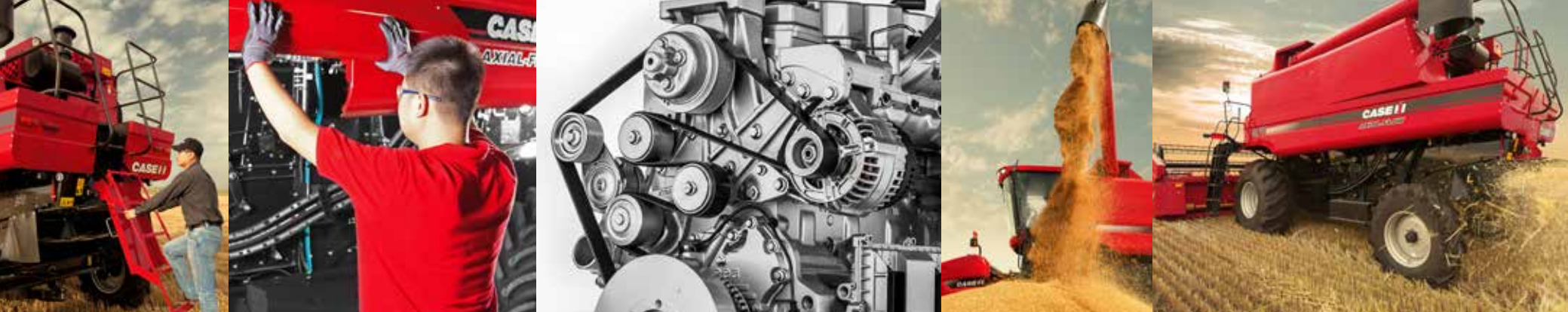


## NEW LATERAL TILT FEEDER CHANNEL

The new feeder (available for 4088 and 4099) allows to handle the heaviest headers ensuring the perfect ground contour. Every soil variation can be followed by the operator simply operating on the joystick.







### **DURABILITY AND SERVICEABILITY**

New Axial-Flow 4000 Series combines have fewer moving parts, are simple to operate, more reliable, and less costly to maintain than conventional designs or more complex rotary and hybrid designs. All service points can be reached from ground level or a single step. With heavy items placed at ground level and easy to reach lube points and hanging filters, routine maintenance and daily checks are safe, easy and quick.

### **POWERFUL AND EFFICIENT ENGINES**

New Axial-Flow 4000 Series combines are powered by Efficient Power FPT Industrial 6.7 litre engines. These in-line, six-cylinder engines delivering from 180 up to 230 rated HP rated hp and meeting Tier III emission standards, are turbocharged and air-to-air after-cooled, providing proven and dependable engine performance in all conditions.

### **GRAIN HANDLING**

5000L (Axial-Flow 4077), 6000L (Axial-Flow 4088) and 6500L (Axial-Flow 4099) large grain tanks, allow for extended harvesting between successive unloading. Fast, precise and easy unloading operations are courtesy of a 4.1 m unloading auger with 63 l/sec unloading speed. A Standard 5 m unload auger is available on Axial-Flow 4088 and 4099 model.

### **STRAW MANAGEMENT**

The sturdy integrated straw chopper with 2 rows of knives and 2 x 14 knife configuration, allows for optimised residue performance. The proven horizontal twin disk spreader system, with 2 speed spread control, evenly distributes the chopped material on the field for optimum integration into the soil. For customers that wants to bale straw a dedicated straw beater is available to respect straw structure and ensuring perfect bale process and optimum density.

- 1** Durability and serviceability
- 2** Powerful and efficient engines
- 3** Grain handling
- 4** Straw management



# BE A FARMER, WE TAKE CARE OF THE REST.

The Case IH commitment is to be there for owners when they need aftersales advice. That's why we have put together a comprehensive service package for our customers. We build on a strong local network in order to be there as quickly as possible in an emergency, and offer you a comprehensive customer service program.

These services range from technical support, advice regarding AFS questions, pending service checks, and organisation and provision of the right spare parts, through to the correct financing of your Case IH product. Everything tailored to your needs and our products – just as services should be.

## **GENUINE**PARTS

### **WE KEEP YOUR EQUIPMENT RUNNING.**

Your local Case IH dealer is highly trained to give you expert advice and solve problems, ensuring the correct, genuine Case IH parts are located and dispatched as soon as possible to keep your machine in top condition.






MODELS	AXIAL-FLOW® 4077	AXIAL-FLOW® 4088	AXIAL-FLOW® 4099
<b>ENGINE</b>			
Displacement (l) / Emission	FPT Industrial 6.7 l / TIERIII	FPT Industrial 6.7 l / TIERIII	FPT Industrial 6.7 l / TIERIII
Rated power at 2100 rpm (kW/hp)	133 / 180	155 / 210	169 / 230
Max. power at 2000 rpm (kW/hp)	148 / 200	177 / 240	191 / 260
Power rise (kW/hp)	14 / 20	22 / 30	22 / 30
Fuel tank, diesel/Tier 3 (l)	500	500	500
Air compressor	○	○	○
<b>TRACTION</b>			
Transmission	3 speed hydrostatic	3 speed hydrostatic	3 speed hydrostatic
Fixed steering axle	●	●	●
Powered rear axle	○	○	○
<b>THRESHING / SEPARATING</b>			
Rotor speed range (rpm) / Rotor gears	250-1,150 / 2	250-1,150 / 2	250-1,150 / 2
Rotor diameter / length (mm)	610 / 2,451	610 / 2,451	610 / 2,451
Total separation area (m²)	1,23	1,23	1,23
Threshing / separating modules wrap angle (°)	156	156	156
Number of threshing / separating modules	3 / 3	3 / 3	3 / 3
<b>CLEANING SYSTEM</b>			
3 step cleaning system	●	●	●
Cleaning shoe width (mm)	1,142	1,142	1,142
Total sieve area under wind control (m²)	4,16	4,16	4,16
<b>CLEANING FAN</b>			
Fan speed range	450-1,350	450-1,350	450-1,350
<b>RETURN SYSTEM</b>			
Tailings return type	To rotor	To rotor	To rotor
<b>GRAIN TANK / UNLOADING</b>			
Grain tank capacity (l) - measured following ISO5687 standard	5000	6000	6500
Unloading rate (l/s)	63	63	63
Unloading auger effective length, measured from center of combine (m)	4,1	5,0	5,0
<b>STRAW CHOPPER &amp; SPREADER</b>			
Number of knives: chopper/counterbar	28 / 25	28 / 25	28 / 25
Chopper speeds	2	2	2
Spreader type	Horizontal, twin disc	Horizontal, twin disc	Horizontal, twin disc
Heavy-Duty strawbeater	○	○	○
<b>HEADERS</b>			
2060 Grain header cutting widths (m)	4.57-5.18	4.57-5.18-6.10	4.57-5.18-6.10
5500 series (nr of rows/spacing)	5 or 6 rows / 55 or 65 cm	6 or 8 rows / 50 or 55 or 65cm	6 or 8 rows / 50 or 55 or 65cm
Stalk chopper	Optional 2-blade (up to 6 rows)	Optional 2-blade (up to 6 rows)	Optional 2-blade (up to 6 rows)
3020 Flex Headers cutting widths (m)	6.1m (hydraulic reel drive kit needed)	6.1m (hydraulic reel drive kit needed)	6.1m (hydraulic reel drive kit needed)
3016 Pick Up Header cutting widths (m)	3.66	3.66	3.66
<b>OVERALL MACHINE SPECS</b>			
Length – feeder to rear trim panel (mm)	7.231	7.231	7.338
Wheel base (mm)	3.656	3.656	3.656
Minimum height (transport) (mm)	3.909	3.939	3.961 / 4.294 (with extension open)
Width with 28L - 26 R1W tyres fitted – min (mm)	3.320	3.320	3.320
<b>TYRE OPTIONS</b>			
Grain and Corn 2WD	Front 28L-26 R1W 16PR / Rear:14.9R24 R1W 12PR	Front 28L-26 R1W 16PR / Rear:14.9R24 R1W 12PR	Front 28L-26 R1W 16PR / Rear:14.9R24 R1W 12PR
Grain and Corn 4WD	Front 28L-26 R1W 16PR / Rear:16.9-26 R1W 12PR	Front 28L-26 R1W 16PR / Rear:16.9-26 R1W 12PR	Front 28L-26 R1W 16PR / Rear:16.9-26 R1W 12PR
Rice 4WD	Front 28L-26 R2 16PR / Rear: 16.9-26 R2 12PR	Front 28L-26 R2 16PR / Rear: 16.9-26 R2 12PR	Front 28L-26 R2 16PR / Rear: 16.9-26 R2 12PR

● Standard ○ Optional - not available

WWW.CASEIH.COM

CNH Industrial Asia, Middle East & Africa, Riva Paradiso, 14 - 6902 Paradiso-Lugano Switzerland

 Safety never hurts! Always read the Operator's Manual before working with any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment. Case IH recommends **AKCELA** lubricants.

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