

HIGH PERFORMANCE AND  
MAXIMUM QUALITY IN ANY  
AREA SIZE SEEMED IMPOSSIBLE?

# AXIAL-FLOW SERIE 150

THE TRUE AXIAL FOR ALL FARMERS



**CASE IH**

# ONLY THOSE WHO CREATED THE AXIAL SYSTEM CAN MAKE THE BEST AXIAL

In 1977, CASE IH revolutionized world agriculture with the introduction of the Axial-Flow grain harvesters, a system that apart from increasing harvest capacity delivered a final product with better quality compared to the conventional system.

CASE IH's pioneering spirit and its success story in the grain harvesters market supported a strategic development for the brand in this segment what resulted in the launch of the New Axial-Flow harvesters with the 150 Series.

## WELCOME TO THE EVOLUTION OF THE AXIAL SYSTEM.

The new 150 Series combines come to offer the farmer the best harvest system in the industry, with improvements in key components, ensuring more productivity, greater availability with low cost, better harvest quality and operational simplicity in any condition.



# EVOLUTION FROM THE PIONEER TO GET EVEN BETTER



## SIMPLE OPERATION AND HARVEST QUALITY

Benefits with the Axial-Flow 150 Series:

- Best harvest quality
- Less damage with more cleaning
- Less crop losses
- Greater versatility
- More performance and productivity
- Simplicity



## AVAILABILITY AND RELIABILITY

Key points to recover competitiveness:

- Durability and robustness
- Power and engine performance
- Operating and maintenance costs
- Processing capacity
- Storage and grain unloading
- Serviceability and autonomy

# NEW ITEMS AND MORE CUSTOMER BENEFITS

WITH NEW TRANSMISSION AND FINAL REDUCER, THE NEW GENERATION OF AXIAL-FLOW GRAIN COMBINES OFFERS GREATER OPERATION AND ROBUSTNESS.

## AVAILABILITY

- NEW HIDROSTATIC PACK  
Up to **+10% of traction and performance on slopes**
- NEW AUXILIARY WHEEL DRIVE (4X4)  
**+60%** of traction capacity
- NEW FINAL DRIVE



## MORE ROBUSTNESS

- Greater load capacity
- Longer service life

## HARVEST QUALITY

- EXCLUSIVE TRANSITION CONE  
with up to **-14%** mechanical damage to the grains
- NEW UPPER SIEVE ADJUSTMENT (SL)  
Greater agility with easy and simple adjustment to change the sieve opening
- NEW FAN  
CROSS-FLOW AUTOMATIC  
Less grain losses on slopes with automatic adjustment

 **VISIBILITY AT NIGHT** **3X** GREATER



## SIMPLICITY TO OPERATION

- NEW PIVOTING SPOUT  
Less grain losses and gains of up to **18%** in the projection gain of the material
- NEW CAB  
Better interface between operator and machine

**NEW TRANSMISSION**  
 **4 SPEEDS WITH ELECTRONIC DRIVING**

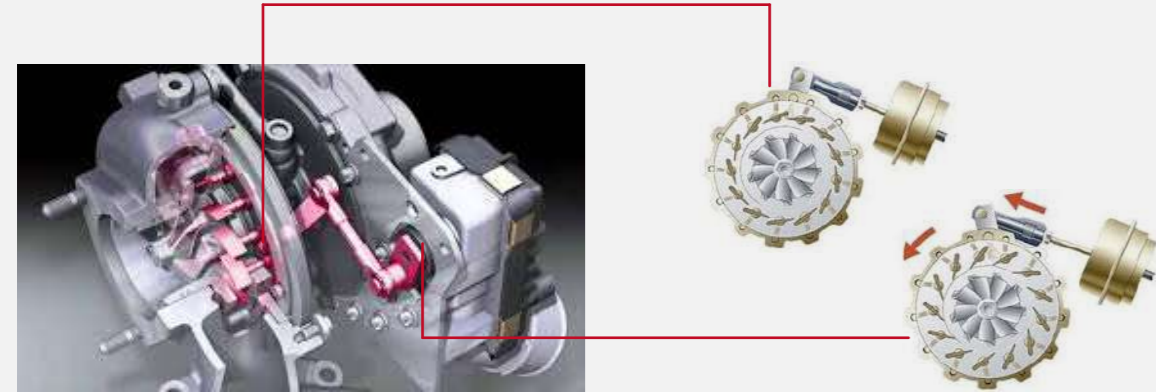
## VISUAL IDENTITY

- NEW 4W PAINT CLASS AND TRI STRIPE DECALS  
Up to **2X** more protection guaranteed and durability of color and brightness
- **Unique visual identity**  
Synergy with all other products Case IH

 **LOWER OPERATING AND MAINTENANCE COSTS**

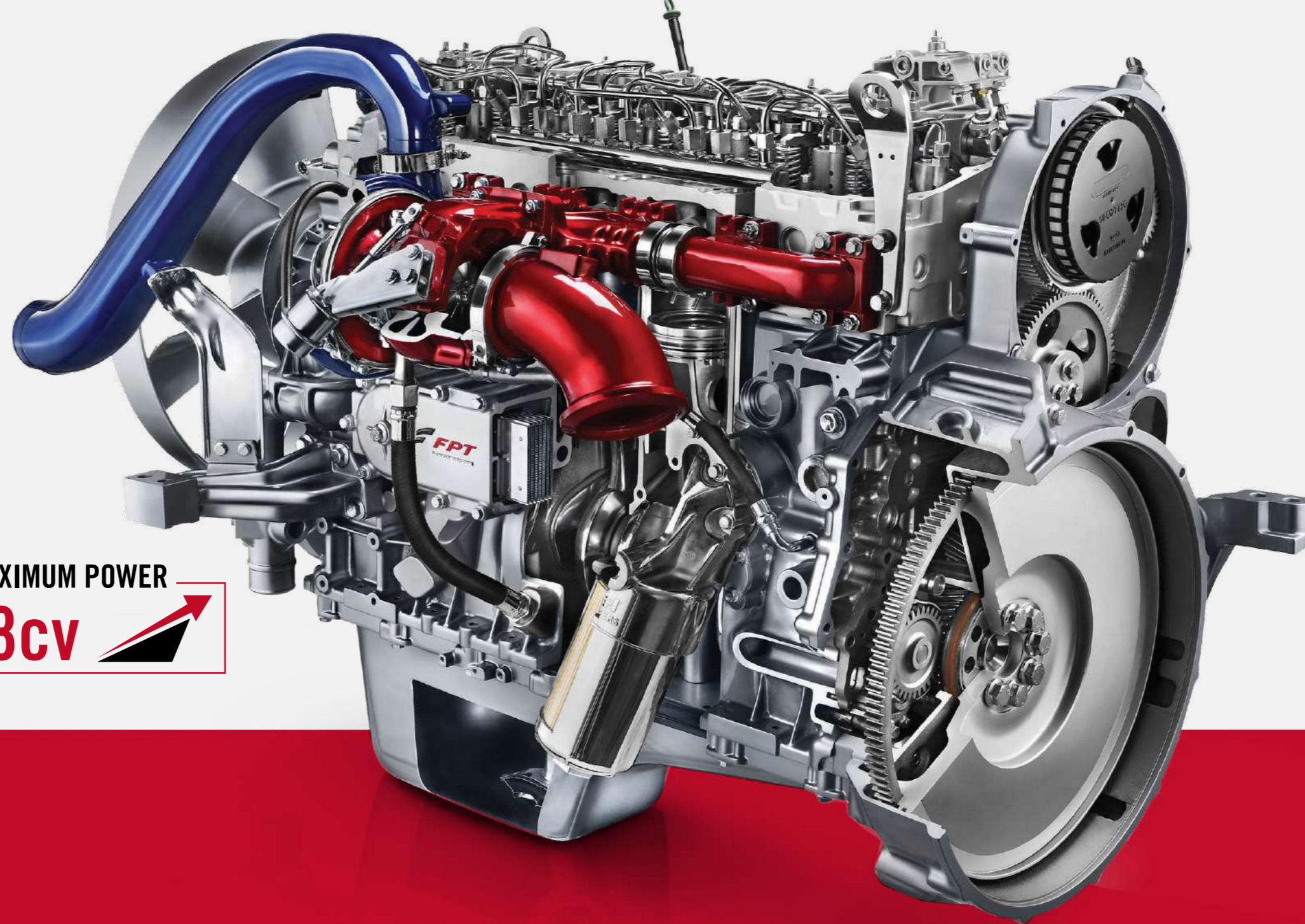
# MORE POWER, BETTER PERFORMANCE

All models of the 150 Series combines are equipped with the renowned technology of the FPT electronic engines, which offer new levels of nominal power and the highest maximum powers on the industry. Everything to become stronger and more competitive and meet the most aggressive harvest conditions.



eVGT turbine

MAXIMUM POWER  
**378cv**



## FPT ENGINE

### DIFFERENCES OF 150 SERIES ELECTRONIC ENGINES:

#### Common Rail injection system:

Optimization of the combustion process, resulting in the best engine performance.

#### Control Module – ECM:

More processing power and information storage to meet the needs of electronic engines.

#### Internal exhaust gas recirculation system (IEGR):

It reduces the level of pollutants emitted into the atmosphere and eliminates the use of urea (Arla 32).

#### Turbine with wastegate mechanical pressure control:

With relief valve that allows the passage of part of the gases in the turbine, controlling the pressure of the turbo.

#### Electronic turbine with variable geometry (eVGT):

Greater response in the power demands and lower fuel consumption.

**+POWER**  
**LOWER FUEL CON**

# FEEDING SYSTEM

## FEEDER HOUSE

The 150 series has feeder houses sized for maximum productivity capacity.

- Ability to support higher loads
- Reinforcements in the mask and supports
- Increased elevator robustness
- Increased hydraulic lifting capacity
- 10 degrees of lateral tilt

## EXCLUSIVE CONE TRANSITION

- Accelerates grains without damaging them
- Ensures the best grain quality
- Doesn't waste engine power



## BENEFITS

- Same feeder house width: provides smooth, free and direct transition from the feeder material to the rotor.
- Propelling and guiding fins: the material is directed to the threshing and separation area in the same direction of axial work as the rotor.
- Better visibility during the harvest: its suction effect does not generate dust in front of the machine.

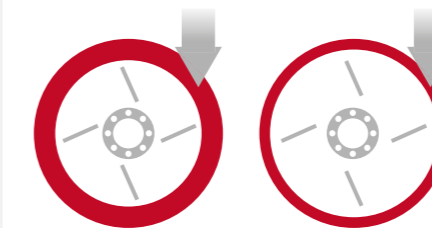


# THRESHING AND SEPARATION SYSTEM

## ROTOR

The 150 Series features two rotor versions. The AFX Rotor and Small Tube Rotor. The latter has a smaller diameter and systems that reduce the damage rate in the grains.

## SMALL TUBE ROTOR +26% USEFUL VOLUME FOR THRESHING AND SEPARATION

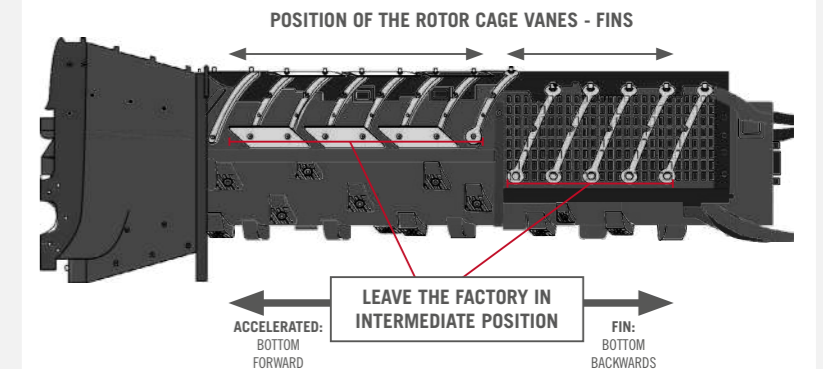


Tube diameter: 0.58m (22,8 in)	Tube diameter: 0.65m (25,6 in)
Section area: 0.29M <sup>2</sup>	Section area: 0.23m <sup>2</sup>
Section volume: 0.55m <sup>3</sup>	Section volume: 0.44m <sup>3</sup>

Total diameter of both: 0.76m (29,9 in)

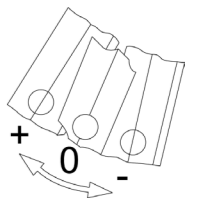
## ROTOR CAGE

- Adjustable propellers
- Adjust the number of turns of the material around the rotor
- Accelerates or decelerates the material smoothly
- Optimizes material threshing
- Partially perforated rotor cage



ON THE MACHINE'S DECAL, IS SHOWN THE SIDE  
 "0" Means middle vane hole centered with cage hole  
 "+" It means accelerated  
 "-" It means slow

NOTE: For more details on the setup, adjustments and maintenance of your combine, refer to the operator's manual.



# CLEANING SYSTEM

## AUGER TABLE AND SIEVE AREA

Auger table with higher processing capacity processing to meet new index 150 Series productivity

- Uniform distribution of the material to be cleaned.
- Greater airflow uniformity for grain cleaning
- Greater agility of operation



Sieves

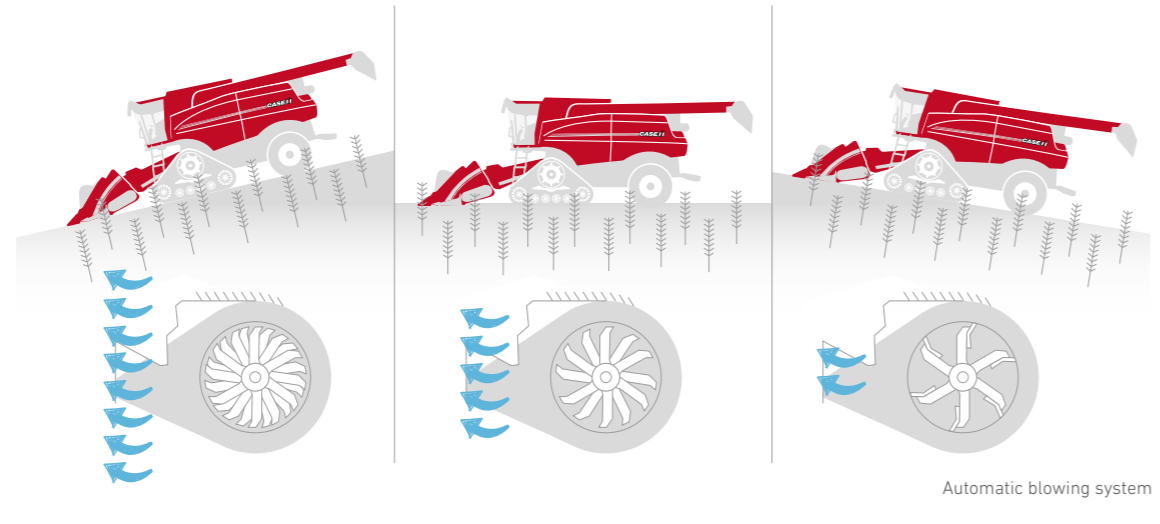
# -75% REDUCTION IN SETUP TIME

## NEW AUTOMATIC CROSS-FLOW FAN

The patented design of the Cross Flow™ cleaning fan consistently delivers clean grain samples regardless the harvest conditions.

Its automatic fan rotation adjustment system also ensures greater productivity with less grain losses on sloping ground.

**Variation of up to 35%:**  
Up to **-10% uphill** and until **25% on slope.**



Automatic blowing system

# RESIDUE MANAGEMENT SYSTEMS

## NEW STRAW CHOPPER AND BEARING

Wide-frame combines have higher performance due to the robustness of the new bearings, which guarantees lower operating cost and longer useful life of components.

**CAPACITY LOAD**  
**70% GREATER**

## AUGER TABLE AND SIEVE AREA

The horizontal Straw Spreader available in the 150 Series allows better distribution of straw on the ground and provides high performance with platforms up to 40 feet wide.

- Uniformity and homogeneity distribution over the entire width of the platform
- Gain in **BETTER SPREADING HOMOGENEITY**, More straw per M<sup>2</sup>. Possibility of configuring the angle of attack of the straw propeller blades. Excellent serviceability with easy access to the inside of the machine.

# STORAGE AND UNLOADING SYSTEMS

## GRAIN TANK

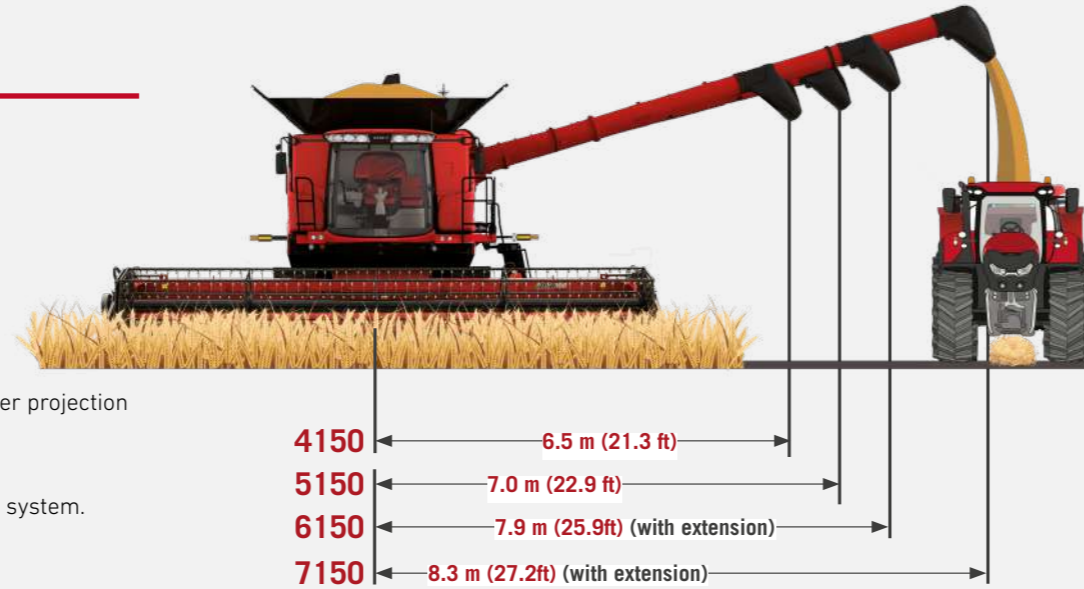
- Large grain storage capacity: up to 10,600 liters
- Improved accessibility in maintenance with elimination of structural beams
- New coverage system that guarantees higher grain quality and less losses

## UNLOADING AUGER

- System sized to achieve grain discharge rate of up to 114 l / s
- Length of tubes and extensions of the discharge system designed according to the cutting headers

## PIVOTING SPOUT (OPTIONAL)

The new system is activated remotely from inside the cabin. Has better material spreading. Grain chaser bin/truck with better projection of the material, better control of driving and less losses of grains through the unloading system.



GRAIN TANK	AXIAL-FLOW 4150	AXIAL-FLOW 5150	AXIAL-FLOW 6150	AXIAL-FLOW 7150
Grain tank capacity	7,050 L	9,200 L		10,600 L
	5,450 kg	7,112 kg		8,194 kg
	91 bags	119 bags		137 bags
Unloading flow	70.5 L/s		114 L/s	





# PRECISION AGRICULTURE MEANS PERFORMANCE

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## IMPROVE YOUR BUSINESS

We live in the age of electronics to make our lives easier. Digital technologies are also growing in agriculture and Case IH's advanced systems stand out in the industry.

Case IH is one of the leading agricultural manufacturers of precision agriculture technology and offers a range of systems that not only increase efficiency, but also minimize input costs.

In this way, our technology helps to maximize yield potential - and to maximize profit margins.



# CASE IH AFS™

## GUIDANCE SYSTEM

AFS™ Case IH represents an extensive range of operator-oriented solutions that help you to cultivate and manage your fields more efficiently, with greater control, productivity and precision. AFS Case IH solutions are easy and intuitive to use and integrate seamlessly with Axial-Flow® 150 series combines.

### ALWAYS ON THE RIGHT WAY

AFS AutoGuide is a GPS-based automatic steering system. Combined with the orientation of the mechanical line, it ensures that the combine accurately follows the harvest rows. Reduces operator fatigue, increases productivity and allows you to exploit all the combine's features. Working with RTK signal, the system guarantees repeatability and reliability with up to 2.0 cm accuracy.



AFS 372 receiver

### CONTROLLED TRAFFIC

Based on pre-defined trajectories in the field, which are marked once and then permanently used, this solution is gaining popularity among farmers. The soil surface between the paths is not affected and is not compacted. The wheel gauges of the machines used in the field are also harmonized. A reliable, high-precision guidance system is a basic requirement, and the AFS Case IH is the ideal solution.



Controlled Traffic Agriculture



**HIGHER  
PRODUCTIVITY**  
UP TO **+10%**

### ADVANTAGES

- Better use of the platform by almost 100%
- Increased productivity by up to 10%
- Fuel savings of up to 3%
- Traffic decrease (trail) up to minus 3%
- Greater comfort
- Higher operational performance.
- Simplicity in operation

LOSSES

0.4%

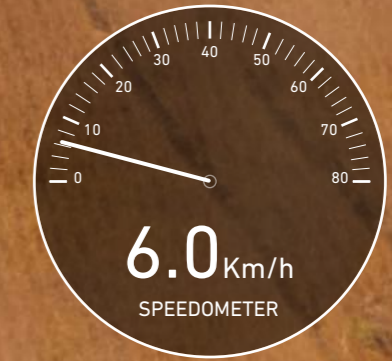


ENGINE LOAD

91%

PRODUCTIVITY

3.600 KGS/HA



HUMIDITY

14%



# CASE IH GRAIN HEADS

## DRAPER HEADS TERRAFLEX 4F

The new Draper TerraFlex headers provide a close cut to the soil, copying each micro relief of your crop. More robust, these CASE IH heads are available in sizes of 30, 35, 40 and 45 feet.

- Greater operational availability: knife box with greater durability and less area for material accumulation
- **Reliability:** bearings with 71% more load capacity resulting in less downtime
- **Operational simplicity:** the new cutter bar fingers offer better serviceability
- **Lower maintenance cost:** new tracks reduce wear and tear and increase service life



## AUGER HEADS WITH MODELS 3020 TERRAFLEX (FLEXIBLE) AND 2010 (RIGID)

Case IH's auger heads models meet the demands in different harvest and crop conditions. While you focus on other functions of the machine, the advanced Field Tracker® system allows the header to track terrain variations, significantly increasing yields in low plantations and uneven ground.



### 3020 MODEL TERRAFLEX

- Auger with larger diameter
- Full-length retractable fingers
- Larger and more uniform feeding
- Better grain threshing and less wear on threshing components

### 3020 MODEL TERRAFLEX

- Developed to meet the demands of the rice farmers
- Rigid cutting bar
- High abrasion resistant components for increased durability



Grain header: endless with a larger diameter, with Full-length retractable fingers

# SPECIFICATIONS

AXIAL-FLOW	4150	5150	6150	7150
<b>ENGINE</b>				
Engine model	FPT_NEF 6	FPT_NEF 6	FPT_Cursor 9	FPT_Cursor 9
Rated Power	253 cv (250hp)	272 cv (268 hp)	326 cv (322 hp)	378 cv (373 hp)
Maximum Power	299 cv (295 hp)	319 cv (315 hp)	387 cv (382 hp)	442 cv (436 hp)
Power Rise	46 cv (45 hp)	47 cv (47 hp)	61 cv (60 hp)	64 cv (63 hp)
Fuel Tank Capacity	550 liters		950 liters	
<b>TRANSMISSION</b>				
Type	Hydrostatic with 3 speeds	Electric shift gears with 4-speed hydrostatic drive		
Final Reducer - Ratio	Serie: Reducer 12/73	11/111 STD opt. Rice. Planetary	11/111 HD2 serie: rice. Planetary	Serie: Planetary Reducer
Auxiliary Traction	opt. version 4 x 4			
<b>FEEDER HOUSE</b>				
Grain Header	20 & 25 ft	25 & 30 ft	30 & 35 ft	35 & 40 ft
Reverse Control	Remote system with hydraulic electric drive			
Lift capacity	2,700 kg	3,500 kg	4,200 kg	4,900 kg
Transition to Industrial System	Exclusive Transition Cone with propeller fins			
<b>THRESHING</b>				
AFX rotor (longitudinally mounted)	Axial Rotor - AFX		Axial Rotor - Small Tube	
Diameter x Length of the rotor	24" (61.0 cm) x 2.80 m		30" (76.2 cm) x 2.80 m	
<b>CLEANING</b>				
Total cleaning area	4.2 m <sup>2</sup>		5.5 m <sup>2</sup>	
Cleaning fan	New Automatic Cross-Flow Fan			
<b>RESIDUE MANAGEMENT</b>				
Straw Chopper	28 fixed knives + 25 counter knives	32 fixed knives + 25 counter knives		
Straw Spreader	Horizontal spreader with belt drive			
Straw Beater	NA	Available in rice versions		

AXIAL-FLOW	4150	5150	6150	7150
<b>STORAGE AND UNLOADING</b>				
Grain tank capacity	7,050 l (91 bags)	9,200 l (119 bags)	10,600 l (137 bags)	
Unload auger length	6.50 m (21.3 ft)	7.00 m (22.9 ft)	7.90 m (ext. 90cm (22.9 ft)	8.30 m (ext. 130cm (27.2 ft)
Plastic spout	Fixed	Fixed   opt. Pivoting		
Unloading flow	70.5 L/s		114 L/s	
<b>WHEELS</b>				
Dual Front Wheel	18.4 R38 R1	20.8 R38 R1 opt. 520/85 R38 R1	520/85 R38 R1 opt. 520/85 R42 R1	520/85 R42 R1
Rear Wheel	4x2 = 14.9 R24 R1 4x4 = 16.9 R26 R1	18.4 R26 R1 opt. 600/65 R28 R1	600/65 R28 R1	600/65 R28 R1
Dual Front Wheel - Rice	NA	20.8 R38 R2 opt. 520/85 R42 R2	520/85 R42 R2	
Rear Wheel to Rice	NA	28 R26 R2		
<b>CAB</b>				
General data	Cabin with automatic air conditioning system, new console, new multi-function lever and operator's seat with air suspension			
Lighting system	4 LED bulbs		6 LED bulbs	
<b>AFS</b>				
PRECISION FARMING	Complete optional package with autopilot, monitoring and mapping system			
<b>DIMENSIONS</b>				
Transport Length and Width	8.80 m x 2.90 m	9.70 m x 3.20 m	10.60 m x 3.20 m	11.00 m x 3.20 m
Width with wheelset: Double (simple)	4.50 m (4.30 m)		5.5 m (4.50 m)	
Position height: Harvest (transport)	4.9 m (4.10 m)		5.00 m (4.10 m)	
Machine weight in work order	13,120 kg	15,800 kg	16,100 kg	16,130 kg

CIH-10-B1012 - 06/2022

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Contact for Customer Service.  
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