

**CASE IH**  
AGRICULTURE

**AUSTOFT™**

**A8010 AND A8810  
SUGAR CANE HARVESTERS**





# SETTING A NEW STANDARD

The Case IH A8010 and A8810 Series



With a reputation for its pioneering spirit and being the benchmark in the field of sugarcane harvesting, Case IH has worked hard to improve its Austoft(TM) sugarcane harvester. Focussing on harvest quality and the profitability of its customer's business have been the cornerstones of the improvement process. The result has been a union of technologies that increase mechanical availability, generating efficiency and ensuring greater productivity. With this release, Case IH now offers a full range of harvesting equipment for all types of sugarcane cultivation. In addition, the new model also comes with a variety of features that are sure to please those who are ready to rethink productivity.

#### MAIN BENEFITS:

- Easier operation
- Improved harvest quality
- Increased productivity

# INNOVATIONS THAT DELIVER A BETTER HARVESTING EXPERIENCE

## NEW CAB

- 200 mm higher
- Greater comfort (seat adjustment and foot rest)
- Improved visibility

## LED LIGHTS

- Better night-time visibility
- Night-time
- Reduced operator fatigue
- Reduced maintenance cost

## NEW REAR-VIEW MIRROR

- Better visibility



## NEW PLASTIC FUEL TANK

- 620 litres (+29% compared to previous model)
- Greater stability
- Increased productivity

## AUTOFLOAT – FLOATING CROP DIVIDER (OPTIONAL)

- Better quality of harvest
- Easier operation
- Less risk of damage to crop divider components



## NEW MOTOR AND HOOD SLEW SYSTEM SPRINGS

- Longer life

## NEW RADIATOR WITH DRAWER SYSTEM

- Easier maintenance
- Increased capacity

## IMPROVED ENGINE BOX / PUMP MANAGEMENT

- Better access and security
- Expanded diagnostic code capacity
- Easier serviceability

## SPREADER FEED ROLLERS (OPTIONAL)

- 'Feed roller spreaders' implies that there is a device to spread the feed rollers
- Cleaner cane (depending on local condition)

# OFFERING LOWER OPERATING COSTS...



## LARGER FUEL TANK

620-litre capacity, i.e., 29% more than the previous model and located at the centre of the harvester, providing greater stability regardless of the level of fuel.

- Lower fuel consumption
- -4.5 hours of assembling and dismantling
- More productivity

## INTELLIGENT COOLING SYSTEM FAN

With automatic, variable rotation, depending on system temperature. This ensures a lower demand for hydraulic activation of the fan motor, therefore lower fuel consumption, particularly in periods of low temperature (night and winter).

## SMART CRUISE

Software to reduce fuel consumption and prolong engine life in addition to an optimised power curve, provides significant fuel reduction leading to reduced operating costs.

- Lower fuel consumption
- Lower stress on hydraulic system
- Extended engine life
- Reduced operator dependence on engine rotation adjustment

## AFS ACCUTURN - SYSTEM FOR ACTUATING AND DEACTIVATING THE FUNCTIONS OF THE HARVESTER

With up to 10 configurable automatic functions to facilitate operation and reduce unnecessary fuel consumption when operating the harvester at the end of a line.

# WITH INCREASED PERFORMANCE

## POWERFUL ADVANTAGES

### Powerful

Case IH FPT engines, designed by FPT Industrial and Case IH, deliver power and responsiveness for the most demanding agricultural applications.

### Smart

Smart Cruise – the Case IH intelligent engine – works by optimizing fuel use. Its main benefits are:

- A reduction in diesel fuel consumption without operational losses.
- Less stress on the hydraulic system.
- Less reliance on the operator to adjust the engine speed.

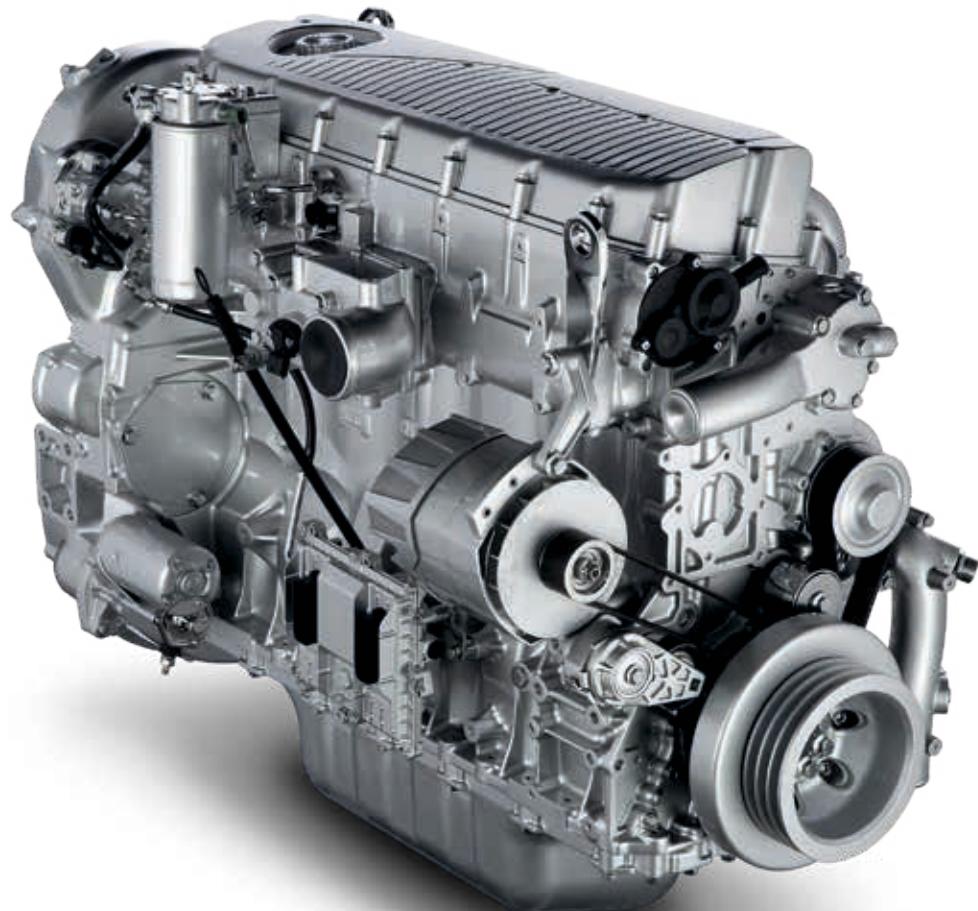
Customers who tested the Smart Cruise reported fuel consumption savings of up to 26% compared to machines without Smart Cruise.

### Proven

In fields around the world, the performance of Case IH FPT diesel engines speaks for itself. The proof is in literally billions of hours of Efficient Power operation from a proven global leader that consistently sets industry standards

## FPT CURSOR 9 ENGINE

- 358 cv at 2,100 rpm
- Turbocharged
- Common Rail Electronic injection system
- Water-cooled
- Dual Curve System
- Smart Cruise System
- Easier access to engine compartment and ease of maintenance
- Deflector plate over engine compartment to improve air flow and reduce the temperature in the turbine area.
- Fuel filter and prefilter with easy access to ground level
- 205 description/information faults for diagnostic accuracy
- MAR1 approved (Tier III) since 2009, relating to emission legislation – iEGR technology (internal Exhaust Gas Recirculation)
- New power curve optimises fuel usage (2017)







## BETTER QUALITY OF HARVEST

### AUTO-FLOAT - CROP DIVIDER "GROUND FOLLOWING" SYSTEM (OPTIONAL)

Raises and lowers the lever depending on the amount of counter pressure that the soil exerts on the crop dividers.

### AUTO TRACKER - "GROUND FOLLOWING" BASE CUTTER SYSTEM

It automatically controls the height of the cutting disc and provides a better quality of cane cutting, thus avoiding stump losses.



### EVIEW - OPERATING CAMERAS WITH DISPLAY ON THE AFS PRO700+

Located on the sides of the cab roof for monitoring the elevator and under the slew table, for monitoring the work done by the basecutter before releasing the cane.

### ANTIVORTEX SYSTEM - PRIMARY EXTRACTOR CLEANING SYSTEM CREATED BY CASE IH

The exclusive Antivortex system reduces vegetable impurities and cane loss and increases load density. With it, the power demanded by the primary extractor has been reduced by about 30 hp compared to a conventional system. A new structure with a rectangular profile has been developed to support the primary extractor, to increase strength and avoid cracking.

# SUPERIOR CLEANING SYSTEM AND AN ELEVATOR DEVELOPED FROM DECADES OF EXPERIENCE



## 1 NEW PRIMARY EXTRACTOR HOOD CHAIN-TENSIONING SYSTEM

Chain-tensioning system with end springs to prevent premature chain wear or breakage. Antivortex system allows for better airflow, which improves cleaning, with low incidence of billet loss and reduced power consumption.

## 2 SIMPLIFIED ELEVATOR CHAIN TENSIONING SYSTEM

With only 1 nut and measuring ruler, faster to adjust and greater precision.

## 3 SECONDARY EXTRACTOR

For further cleaning with 360° slew, for better cane distribution and to prevent it from being deposited on the transporter.

## 4 FLAP

With hydraulic activation for better billet distribution in the transporter and better adjustment and use of the crate volume.

## 5 EXTENDED ELEVATOR (OPTIONAL)

Measuring 900 mm, for better reach and good positioning of the transporter on the line, so that the billets are better placed in the transporter.

## 6 EXTRACTOR CHAMBER WEAR PLATES

For longer life and easy replacement during maintenance.

## 7 ELEVATOR HULL

Large capacity with reinforced edges for longer life.







## BUILT TOUGH TO HANDLE LONG DAYS AND LONG SEASONS

All large sections of the elevator are made of strong materials, for increased durability and less downtime.

### BIN GUARD

Prevents the elevator from impact damage and the flight from contacting the transporter.

### “SOFT STOP” SYSTEM

Hydraulic damping for more smoothness at the end of run and lower elevator impact.

### REINFORCED SLEW TABLE

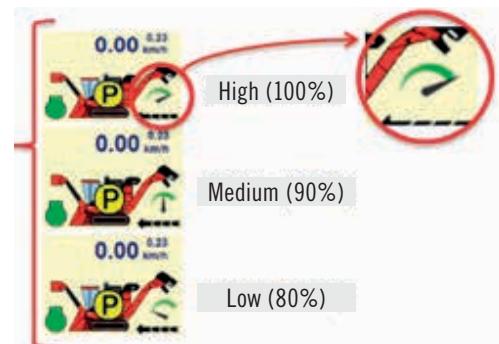
Longer life.

### SCRAPER BAR

For removing sugarcane and soil build up from slew table.

### ELEVATOR CHAIN DRIVE (CHAIN + FLIGHT) WITH ADJUSTABLE SPEED SYSTEM

Increases the lifespan of the wear components and improves adaptation to the conditions of the sugarcane fields.



### CROSS BARS

For more ruggedness with less possibility of the elevator structure twisting.

### FLOOR WITH OBLONG HOLES

Large cleaning area reduces occurrence of mineral impurities in the harvested stems.



#### WATER TAP

Fed by air-conditioning condensation.



#### MAGNETIC LIGHT

With 10 metres of cable, to assist during night maintenance.



#### CHOPPER BLADE HOLDER

With capacity for 4 blades on each side and a complete exchange of the 2 rollers.



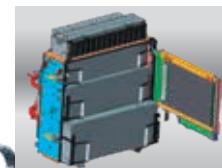
#### SAFETY STAND

For maintenance requiring a raised suspension.



#### PROTECTIVE GRILLS

Provide safe access to the upper part of the harvester.



#### NEW COOLING SYSTEM WITH INDEPENDENT RADIATOR PACKAGE

Located in sliding drawers for ease of assembling and dismantling when necessary.

## EASIER SERVICE. SAVING TIME, IMPROVING SAFETY.



#### POWER POINTS

To connect 12 V devices or a light.



#### GREASE NIPPLES AT THE FOLLOWING POINTS:

- 2 Crop dividers
- Primary extractor
- Chopperr roller
- 1st roller train bearing.



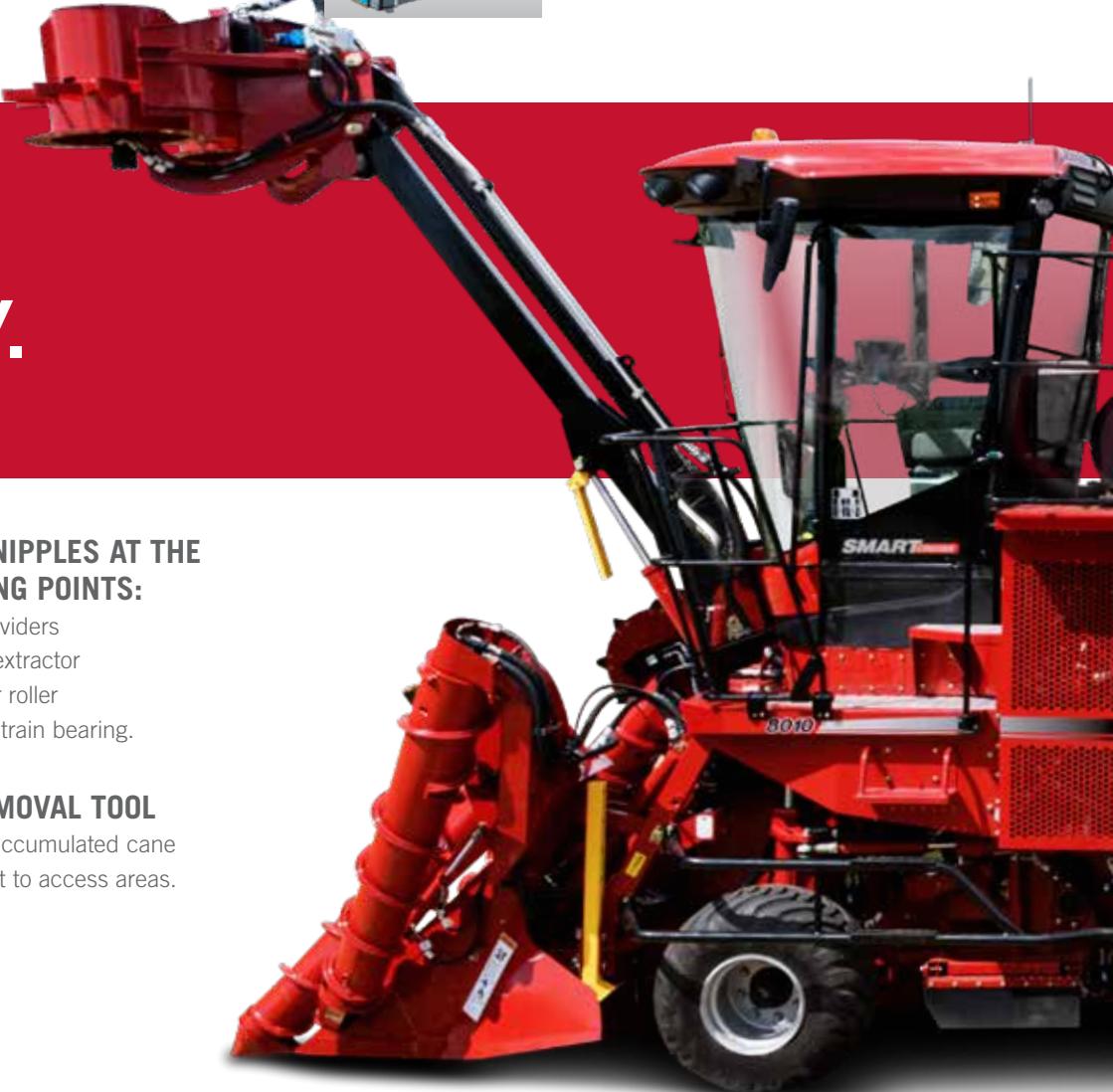
#### SERVICE LIGHT

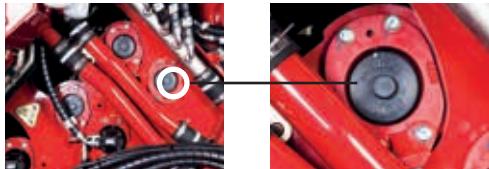
Provides lighting when servicing the front part of the harvester.



#### CANE REMOVAL TOOL

To remove accumulated cane from difficult to access areas.





### FEED ROLLERS

With external access to the bearings (bolts on the external side of the chassis) and rubber stops, there is a 83% reduction in the time required for exchanging all bearings, i.e., from 15 to 2.5 hours.



### WATER SEPARATOR FILTER

Located on the engine box door to enable easier maintenance.



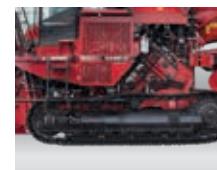
### FUEL FILTER POSITIONED ON THE OUTERMOST PART OF THE ENGINE COMPARTMENT

For safer changing at ground level.



### 2 ACCESS HANDLES ON BOTH SIDES OF THE ENGINE COMPARTMENT

To facilitate and increase safety in accessing the engine compartment.



### CLASS 5 ROLLING STOCK (AVAILABLE ON TRACKED MODELS)

Ensures longer service interval.

## UNPARALLELED OPERATOR ENVIRONMENT

When the days are long and the nights are even longer, you will come to really appreciate the industry-leading comfort and intuitive operation of the Austoft cab.

Guided by input from producers and custom operators, Case IH has taken one of the cane producers largest and quietest cabs in the industry and made it even better. The redesigned Case IH cab provides the ultimate in convenience, comfort and productivity for your office in the field.

The enhanced Case IH right hand console moves with the seat to control most vital functions, with the operator's arm in a comfortable resting position. Similar functions are grouped together and multiple settings for conditions are easily saved for future use. You can keep your eyes on the field rather than searching for knobs or buttons. In addition, all models use the state-of-the-art AFS® Pro 700 display for machine functions and guidance control. The AFS® Pro 700 is compatible with all Case IH high horsepower equipment, so the operating logic and layout has consistency across Steiger, Magnum and Puma tractors and Patriot sprayers.







## OPERATOR CAB

- Large glass area – high visibility
- Illumination designed for better vision during night activities
- Larger space – greater comfort
- Operator seat with cushion adjustments: height, inclination, distance and backrest
- Instructor seat
- Tilted roof for improved accessibility
- New rearview mirror for better peripheral vision
- Improved internal lighting
- Pre-wired for sound system
- 8 air vents
- Sun visor and rear blind
- Illuminated control buttons

## ELEVATOR SLEW PEDAL AND FOOT REST

- Easy to operate
- 170° slew
- Increased operator comfort

## TRANSMISSION AND DIRECTIONAL JOYSTICK

- Cruise Control – Automatic control and advance speed memorisation
- High precision
- Easy maneuvering
- Standard on A8810 model, A8010 model available on both Joystick and Steering Wheel configuration

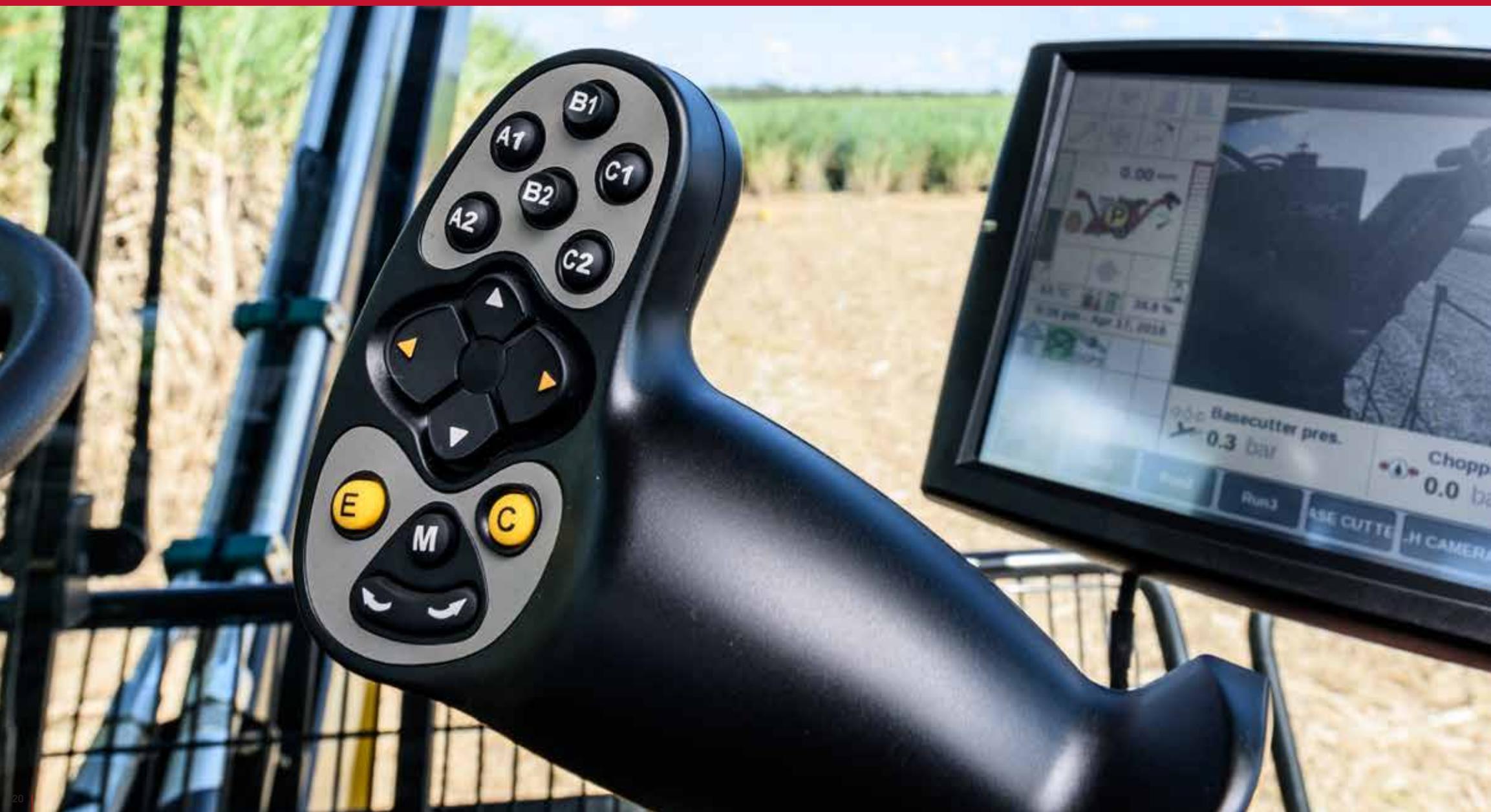
## AFS PRO700+ MONITOR

- Management-friendly technology
- Easy handling
- Operational features





# IMPROVING PRODUCTIVITY WITH ADVANCED TECHNOLOGY



Easy to use, AFS® PRO700+ comes with features to increase productivity through ease of operation and less operator fatigue.

- Anti-drift
- AFS® AccuTurn
- eView™ – Operational cameras
- Adjustable elevator chain drive speed
- Autopilot

With the AFS® PRO700+ display, you benefit from added capabilities with minimal complexity. It is easy to read in daylight and adjusts for night visibility. It features a large screen in a lighter, thinner package, with more computing power than its predecessor. A single display provides a wealth of functionality. From your seat with just a few touches, you can view up to 6 run screens on a single monitor to fine-tune options such as remote valve timers and flow control, auto PTO, engine speed settings, the wheel slip alarm, calibrations and implement settings, as well as other key machine functions.



#### AFS® PRO700+ MONITOR

- Management and monitoring of up to 72 operational parameters
- Cameras integrated on Pro700+ Monitor
- Touch screen to toggle between cameras



#### ANTI-DRIFT

Automatic and gradual correction of the direction of the harvester. This system is used if a forced diversion is encountered along the path, e.g., along a slope, sugarcane on the sides and in winding areas. Settings can be adjusted via the monitor of the AFS PRO700+ or using the control buttons below. It can be configured with up to 10% compensation to the right or left and set from 1 to 1%. Function associated with the “AFS AccuTurn” system, inverting the direction after maneuver.



## eVIEW

### 3 Operational cameras located at:

- Left and right side of the harvester
- Lower part of the machine

Observe operations on the AFS® Pro700 monitor with configurable screens, easy interaction and switchable cameras. eView allows the operator to view the basecutter cutting quality as well the position of the elevator on either side of the machine.

- Ease of operation
- More operational comfort
- Better quality of harvest
- Possibly reduced loss

## AFS ACCUGUIDE AUTO GUIDANCE

Automatic pilot system, frees the operator from having to control the steering.

- Individualized Line projects
- Traffic control
- Lower compaction
- Better harvest planning
- Systematisation of areas
- Improved transportation logistics
- RTK standard
- Import and Export



## AFS ACCUTURN

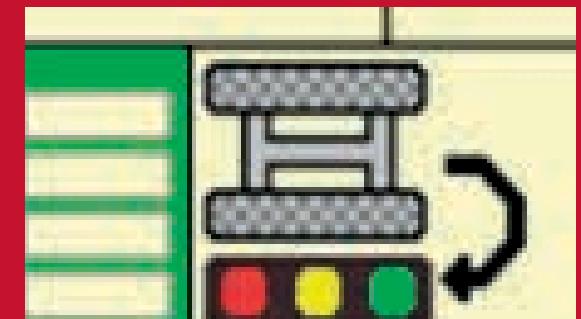
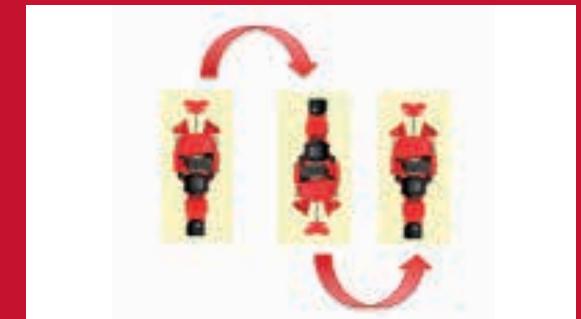
### Maneuvering Function:

#### End of row:

- Reduces engine revolutions to intermediate
- Disengages the basecutter, feed roller and chopper roller
- Turns off the elevator chain drive
- Disengages topper
- Turns the primary extractor to central position
- Turns off the side trim function
- Disengages the primary and secondary extractors
- Raises the suspension
- Resets anti-drift compensation

#### Start of row (one touch):

- Increased engine revolutions
- Connects the basecutter, feed rollers and chopper rollers
- Engages the elevator chain drive
- Connects the handset and reverses the release direction
- Engages the opposite side trim
- Adjusts the hood of the extractor in the opposite position
- Engages the primary and secondary extractor
- Lowers the suspension and connects the Auto-Tracker
- Re-engages anti-drift compensation



# TURN NIGHT INTO DAY

Increased visibility in night operations.

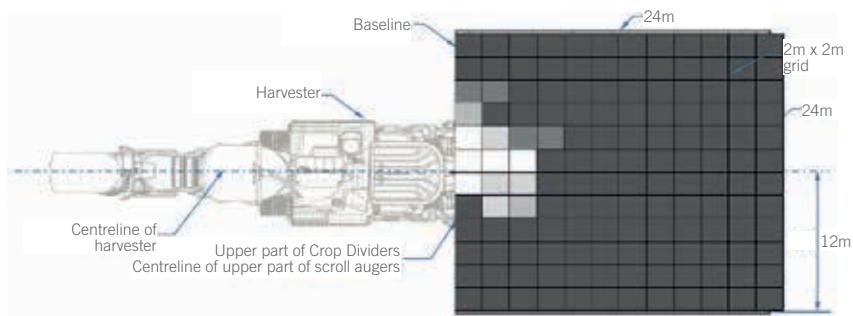


LED lights can last up to 50,000 hours—20 times longer than HID lights. In other words, you may never have to replace them for the life of your equipment.

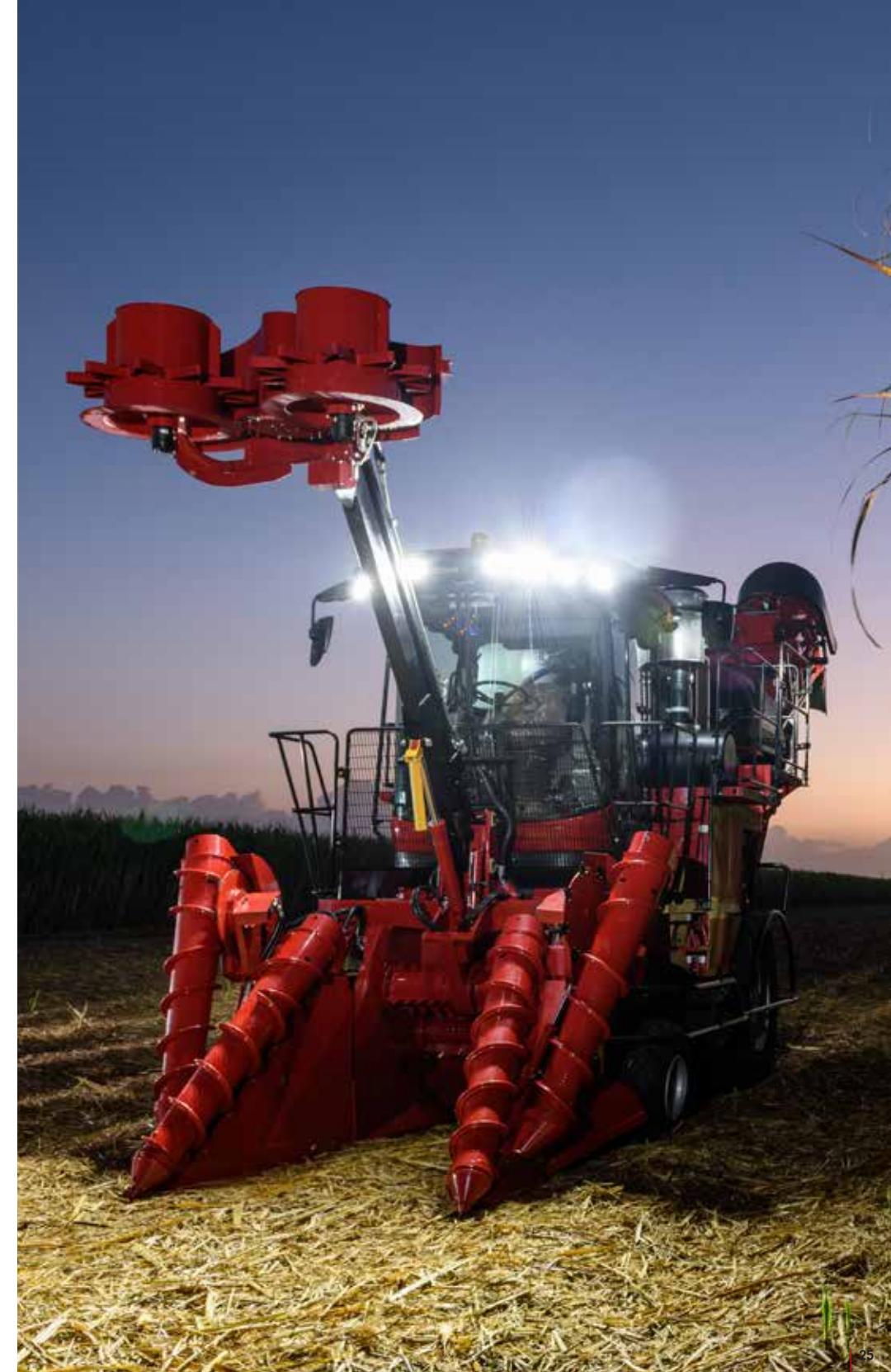
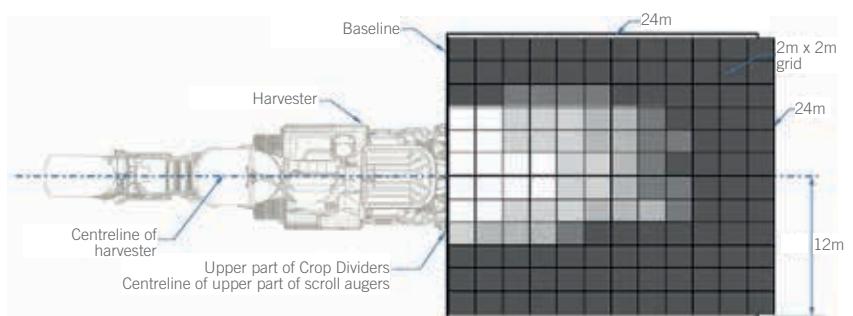
### 13 LED BULBS:

- 8 on the front of the cab roof
- 2 on the back of the cab roof
- 2 in elevator outlet
- 1 for maintenance on the front panel (change of basecutter)

### LIGHTING SYSTEM WITH A8800 HALOGEN LAMPS



### LIGHTING SYSTEM WITH LED A8810 LAMPS



## SPECIFICATIONS A8810 / A8010

### MODEL: FPT CURSOR 9 MAR-I/TIER 3

Cylinder capacity: 9 litres

Nº of cylinders: 6 in line

Power: 358 CV (260 KW) at 2,100 rpm

Injection system: Common Rail

Alternator 185 A 12 V

Smart Cruise: fuel optimisation software

### COOLING SYSTEM

Type: Radiator package with fixed screen for air intake

Location: upper part of harvester

Smart Fan: Fan with variable speed control

### OPERATOR CAB

Number of Doors: 2

Air conditioning and heater

Operator seat with air suspension

Training seat

AFS PRO700+ Monitor

Monitoring of all harvesting, maintenance and precision agriculture functions built into the AFS PRO700+ Monitor

Customisable screens with irregularities or fault warnings through the monitor

Emergency stop system in the absence of the operator

Wiper and windshield wiper

Side mirrors with impact protection

Cab and instrument panel lighting

Joystick-operated electronic steering and transmission or steering wheel in the wheeled model

Multifunction lever/transmission lever/Operation buttons next to armrest

Fuse protection for all electrical circuits

AFT Alarm with safety beacon

Giroflex (rotating safety beacon)

10 cab-mounted LED headlights

Cab pre-wired for radio and AFS AccuGuide Auto Guidance

Optional: Case IH AFS AccuGuide Auto Guidance

### TRANSMISSION

Type: Hydrostatic with variable forward and reverse speed

Speed of tire model: 0 to 20 km/h

Speed of machine with tracks: 0 to 9 km/h

### BRAKES

Multiple disks – Automatic operation in loss of pressure or engine shutdown – (A8010)

Manual parking brake

In-cab Pedals with independent activation (A8010)

### HYDRAULIC SYSTEM

With command block

All oil is filtered before returning to the tank

Traction Lock Command (A8010)

### TOPPER

Hydraulic accumulator charged with nitrogen

Number of Blades: 8

Severing drum: Bidirectional

Height Variation: 900 to 4000mm

Hydraulic height adjustment

Shredder topper: Optional

Number of shredder blades: 34

### CROP DIVIDERS

Auxiliary side dividers

Tilt angle: 45 °

Vertical side trim blades

Tilt angle adjustment: hydraulically-activated from the cab

Height adjustment: hydraulically-activated from the cab

Rotating point

Fixed/sliding point: available via parts (DIA Kit)

Floating sidewalls

Bolted bottom wear shoe

Autofloat (optional)

### KNOCKDOWN ROLLER

Hydraulic and reversible drive

Toothed flights

Kit for severe conditions: available via parts

Width: 1,080 mm

### FEED ROLLERS

Nº of Rollers: 5 Lower fixed and 5 upper floating

Hydraulic and reversible drive

Floating top rollers with rubber stop

Width of rollers: 900 mm

### MACHINE WEIGHT

A8010: 17,000 kg

A8810: 18,500 kg

### ELEVATOR

Elevator chain drive: hydraulic and reversible with adjustable speed

Unload to any side or to the rear

Extension: 300 mm (standard); 900 mm (optional)

Hydraulically-activated flap

Bin guard to protect against damage from transporter

Chain tension adjustment: by bolt and fixed ruler

Total Turning angle: 170 °

Perforated floor

Back hoe type

Width: 850 mm

Frame: tubular

Reinforced flights

2 LED headlights mounted on the elevator

### ELEVATOR DIMENSIONS

Elevator: 300mm, Distance: 4,330mm, Height: 4,690mm

Elevator: 900mm, Distance: 4,840mm, Height: 5,000 mm

Elevator: 1,500mm, Distance: 5,370mm, Height: 5,250mm

Elevator: 300 + 250mm, Distance: 4,460 mm, Height: 4,870mm

### PRIMARY EXTRACTOR

Hydraulically-driven hood slew

Fan Diameter: 1280 mm

Fan directly driven by the hydraulic motor

Rotation: from 600 to 1,100 rpm

Number of blades: 4

Rotation adjustment from the cab

Wear ring: Heavy Duty

Design: Antivortex

### SECONDARY EXTRACTOR

Fixed speed

Hood slew: Hydraulic

Turning angle: 360 °

Number of blades: 3

Fan Diameter: 940 mm

### BASECUTTER

Drive: Hydraulic and reversible

Number of discs: 2 (demountable)

Distance between centre of legs: 630 mm

Number of blades per disc: 5 (replaceable)

Automatic basecutter height control (autotracker): Standard

Fuse Legs (3 pieces): Optional

### SIDE TRIM BLADE

Hydraulic height adjustment with cab drive

Blade type: Serrated triangular blade in hardened steel

Number of blades: 8

### CHOPPER

Number of blades per drum: 4

Diameter between chopper drum centres: 380 mm

Thrower rubbers: Standard

Adjustable deflector plates

Reversible hydraulic drive

Width of blades: 65 mm (replaceable)

Billet length adjusted from the cab

Optional: 3-Blade roller

### TRACKS

Type of chain: greased

Agricultural design shoes with folded edges

Width of shoes: 406 mm (16")

Guides: Heavy Duty

### BUTTLIFTER

Hydraulic and reversible drive

Open slats (standard); Closed Slats (optional)

3 slats (standard); 4 Slats (optional)

Width: 900 mm

### CAPACITIES

Fuel: 620 litres

Hydraulic oil: 480 litres

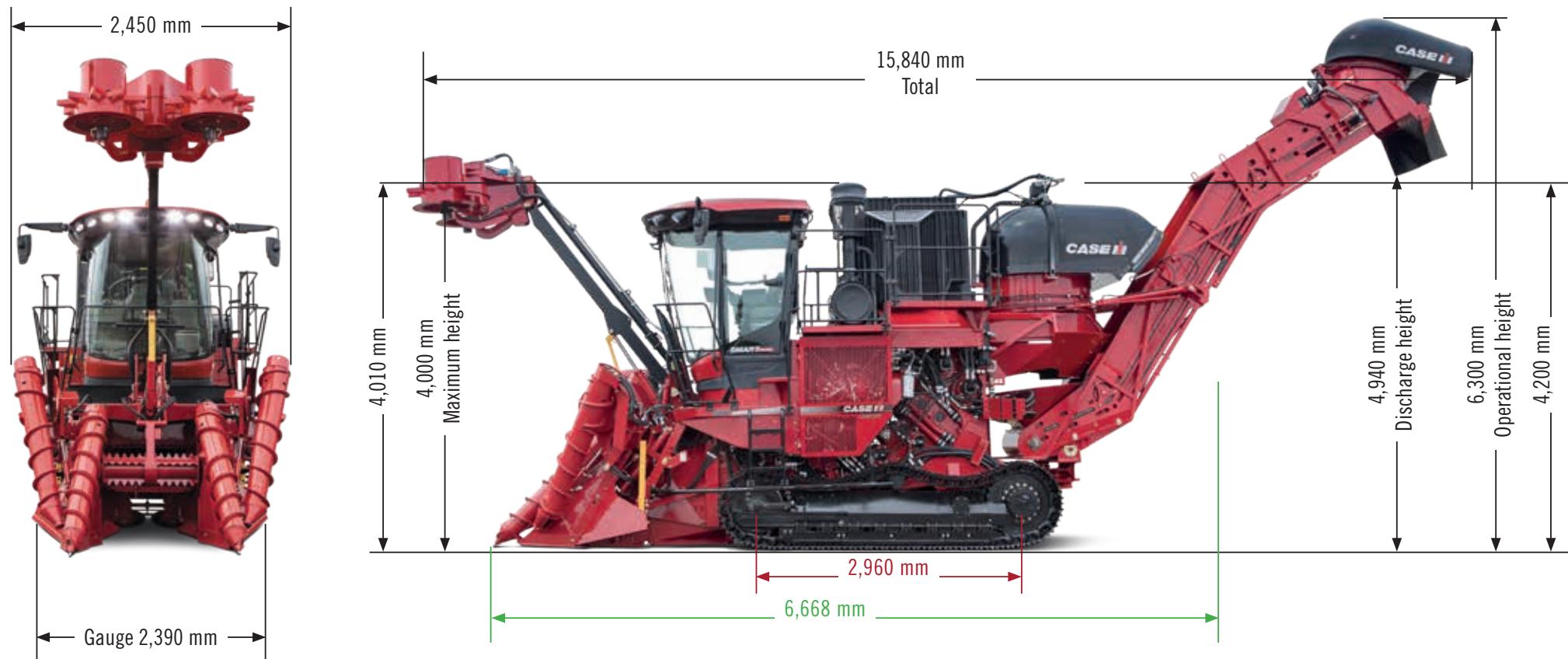
### OTHER FEATURES

3 operating cameras (standard)

Power cord with 10 metres cable

Mulch cleaning tool

## DIMENSIONS





## OUR HARVESTERS AREN'T THE ONLY THINGS WORKING IN YOUR FIELDS.

Case IH keeps more professionals in the field to keep you more productive. Our experienced dealers are happy to help manage your equipment so you can maximise your yields and bottom line. Parts and service technicians have the expertise to assist you before, during and after the sale, while CNH Capital will customise financing solutions that work best for you and your farm. It's an integrated equipment maximum service and financing system all in one solution.

When you buy a Case IH machine, you can be sure not only that you're buying the best product but also that you've got the best dealer back-up behind you. Case IH dealers can offer advice on selecting the right machine, will ensure they deliver what you need when you need it, and will then continue to support you and your equipment with the service and spare parts support you'd expect from a name as trusted as Case IH.

### **DO NOT RISK YOUR MACHINE'S LIFE. BUY CNH INDUSTRIAL PARTS & SERVICE!**

Protect the value of your investment. Behind every Case IH product stands an extensive parts logistics organisation, stocking parts for products both old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.







Case IH Austoft 8010 and 8810 Sugar Cane  
Harvesters Brochure – 08/2018 –  
Code 18APACCOMAUS001



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**⚠** 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.

**CASE II**  
AGRICULTURE