

MAGNUM AFS CONNECT

THE BEST ALL-TIME MAGNUM



CASE IH

NEW MAGNUM AFS CONNECT

THE BEST ALL-TIME MAGNUM

Brazilian farming is more dynamic and advanced each day. And this actuality presents new challenges, but also great opportunities. And for that, it is needed to re-invent new forms of management for all operations from the farms.

The new Magnum AFS Connect has arrived to be your great partner on this evolution of digital farming, ensuring the full control of its operation, at all moments, from where you and your team are. The tractor which has always been recognized for its extraordinary drive-capacity, great robustness, and high performance, now, once more held benefits and innovations of full connectivity, ensuring accuracy and efficiency in new levels.

 **NEW MODELS**
380 and 400

AFS CONNECT
New autopilot system with display **AFS Pro 1200**.
New telemetry with control unit 4G and **remote functionality**.
New receiving antenna **AFS Vector Pro**.

NEW MODELS
Two new models with greater power:
Magnum 380 and 400

DESIGN
New bonnet, grills, and lights
that remit to the model of the
autonomous tractor of Case IH.

TRANSMISSION 21X5
The new models
(380 and 400) have
new transmission
and rear axle.



REAR CAMERA
Ensuring more safety,
visibility, and comfort in the
operations. *As standard* for
380 and 400; optional for
other models.

NEW CAB
Operational comfort,
ergonomics, and connectivity.

LED HEADLIGHT
Fitted with a package of LED
service lights for all models,
and a new LED 360° lighting
for the models 380 and 400;
optional for other models.

POWER TO THE GROUND
New offers of tires and
greater ballasting capacity.

NEW DESIGN

MOST MODERN AND REDESIGNED
FOR THE MORE ADVERSE
SITUATIONS ON THE FIELD

Magnum AFS Connect innovated in all operational aspects. It is a new integration concept among machines and systems to power the results. The tractor has a fully new image, with a bonnet and lights that remit to the tractor - an autonomous concept of Case IH.

The similarity is no coincidence. The tractor inherits several technologies and innovations that will result in full automation in the early future!



New bonnet



New grilles



Lights

DESIGN INSPIRED ON
AUTONOMOUS TRACTOR



Autonomous tractor

AFS CONNECT

PREPARED FOR THE CONNECTED FARMING

The tractors Magnum AFS Connect have established new levels about what the connectivity and productivity can give for your operation. Now, you can remotely monitor your tractor with management, monitoring, and interventions from afar, which optimizes the time and maximize the results.



MANAGEMENT IN ACTUAL TIME FROM THE PALM OF YOUR HAND

FOR YOU OPTIMIZE THE DATA COLLECTION AND POWER ALL POSSIBILITIES FROM THE ACCURACY FARMING

The new project builds in the renowned technology AFS Connect to the tractor, increasing the efficiency and reducing the operational costs through data and information generated by the new Magnum:

- Monitoring of the tractor
- Agronomic management
- Data management
- Remote diagnosis
- Management of correction signals



AFS CONNECT

TECHNOLOGY AND CONNECTIVITY

The Magnum AFS Connect presents a built-in set of unheard-of technologies for you to use all resources of accuracy farming at the decision-making time.

1 RECEIVING ANTENNA AFS VECTOR PRO

2 MODEM OF DATA PROCESSING AND CONNECTIVITY P&CM

3 NEW AUTOPILOT SYSTEM WITH DISPLAY AFS PRO 1200



Receiving antenna AFS Vector Pro



Modem P&CM



Display AFS Pro 1200

**NEW DISPLAY AFS PRO 1200
REMOTE ACCESS. FULL INTEGRATION AND MANAGEMENT**

With a 12 in. LCD screen, the new display AFS Pro has an anti-reflection coating which enhances the visibility at the field. The operational system is intuitive and allows personalizing the main functions and preferences of the operator.

And, the principal: with the new display AFS Pro 1200 and the active telemetry, it is possible to connect to the display remotely. Thus, the decision-making is integrated between the operators and farming managers, increasing the operational efficiency of the tractor.

**AFS VECTOR PRO
MORE CONNECTED SATELLITES,
MORE ACCURACY, AND FASTNESS**

The new antenna AFS Vector Pro is one of the main news of the Case IH for the future of accuracy farming. And the tractors Magnum AFS Connect already come from the factory with this technology.

The AFS Vector Pro has an internal system of ground compensation compatible with the main world satellite constellations (GPS, GLONASS, Galileo, QZSS and BeiDou), ensuring very great availability of signal for the work, with more agility and signal stability.

**MODEM OF DATA PROCESSING
AGILITY AND CONNECTIVITY 4G**

With an internal memory of 64 GB and a 1.5 Ghz processor Quad Core, the new Modem P&CM gives connectivity 4G, 3G, and 2G, and agility for data processing and storing. It centralizes the functionality of the accuracy farming, autopilot, and telemetry, making possible several facilities on the operation, as:

- Remote Viewing
- Remote service support
- Firmware Over the Air (FOTA)



AFS CONNECT

FULLY CONTROL OF THE OPERATION

The new display AFS Pro 1200 is sensitive to touch and it has been projected for intuitive navigation with optimal visibility, even on clearest days. The remote viewing of the display connects the operators to the farm managers in a transparent way, and the Bluetooth resources allow to pair it with a mobile phone, bringing everything in a unique screen.

EXCLUSIVE SETTINGS UP

The display AFS Pro 1200 gives a general viewing of all functions of the tractor, as: hydraulic settings up, PTO, engine, and transmission. Thus, having all this information, it becomes easy to optimize the operation, it is enough to use the coder Case IH e Hotkeys and you will have full control of all functions.

BY ALL SIDES

The display can show video images in the actual time of all cameras of the tractor, and also of the cameras fitted on the implements that are being used coupled to the tractor. Thus, the operator has a view of everything that happens around him.

FREEDOM OF AUTOMATION WITH HEADLAND MANEUVERS

The Magnum is prepared to perform headland maneuvers autonomously way. For that, it is enough to let the maneuvering programmed by inserting the controls in the display AFS. Thus, at the end of each row, the tractor will perform the process recorded on its memory, increasing productivity and allowing you to focus on other working activities.



AFS PRO 1200

**HIGH-RESOLUTION SCREEN
AND SENSITIVE TO TOUCH**

EVERYTHING IN SIGHT, EVERYTHING UNDER CONTROL

The high-definition display AFS Pro 1200 is so easy to operate as a mobile phone. Each operator can set up and save its options of sub-menus and adapted shortcuts to their needs, letting their preferences always in sight.

FREEDOM OF CONTROL

Through the ISOBUS, a modern interface for the tractor and its implements, it is possible to view the operational screens of the display AFS Pro 1200 with no need of another display, i.e., the ISOBUS III allows that the implement controls elements of the tractor, as remote control, PTO, hydraulic rear position, and speed on the ground.

FREEDOM OF CHOICE

The display AFS Pro 1200 makes it possible that you choose among more than 100 functions that can be assigned to eight presetting up programming buttons. Using these buttons that are placed on the arm console or the built-in control panel (ICP), you can easily control the functions as radio volume, air-conditioning temperature, and answer or end phone calls. You will always have the right settings at your fingertips.

PERFORMANCE MONITORING

The system also records the full performance and the daily statistics. All information is sent directly from the display AFS Pro 1200 to the platform AFS Connect for future processing and analysis through telemetry.

COMFORT AND CONNECTIVITY INTO THE CAB

THE SIMPLICITY AND THE LUXURY
YOU HAVE NEVER EXPERIENCED
BEFORE ON A TRACTOR CAB

Operational comfort, ergonomics, and, now, connectivity. The cab of the new Magnum AFS Connect concentrates all these functionalities in an environment like no other.

The controls are easy to handle and are at your fingertips. The display AFS Pro 1200 has a crystalline and customized LCD screen and brings all need information for decision-making.

+COMFORT HIGHER PRODUCTIVITY

- Greater storing and more electrical jacks
- 40 degrees rotary seat
- Redesigned ergonomic multi-function lever
- New high-definition display AFS 1200 with LCD screen A-post
- Redesigned arm support Multi-control and Multi-function handle
- Fabric-covering 40 degrees rotary luxury seat
- Storage/cup holder
- Instructor seat
- Digital-control air-conditioning
- Telescopic steering wheel
- Multi-control armrest



THE EASIER WAY TO OPERATE

YOUR PREFERENCES, YOUR METHODS, YOUR OPERATIONAL SYSTEM

Time is precious for those who work in the field. Each minute makes the difference. Because of that, you have the entire freedom to set up your preference in the console, without needing to change them all the time. Thus, you ensure more agility and productivity in your operations.



DEVELOPED BY (AND FOR) YOU

Everything you need is at your fingertips. The armrest can be adjusted in four directions to suit any operator. The display can also be rotated up to 52 degrees. All of this to ease your daily life. What else can you ask for?

- 1 PROGRAMMABLE REMOTE CONTROL LEVERS WITH COLOR CODE**
- 2 NEW MULTI-FUNCTION LEVER**
- 3 PROGRAMMING BUTTONS**
- 4 NEW DISPLAY WITH 12-INCH TOUCH SCREEN**
- 5 QUICK ADJUSTMENT OF PARAMETERS OF THE FLOW AND HYDRAULIC SYSTEM**
- 6 BUTTONS OF THE CASE IH CODERS AND SHORTCUT KEY-SWITCHES TO QUICK ACCESS TO THE SETUPS**



THE OPERATING SYSTEM THAT ADAPTS TO YOUR NEEDS

NOW YOU HAVE MORE OPTIONS THAN EVER

The Magnum's cab has been renewed from suggestions from you, producers. The result is an operating concept that build-in functions of accuracy farming, setups of tractors, and connectivity to your preferences. All of this with many comfort and ergonomics

AT YOUR FINGERTIPS

The multi-function lever was also redesigned to include reconfigurable functions. Among them:

- Remote control
- All transmissions parameters
- Functions ISOBUS.



New multi-function lever

NEW INSTRUMENT PANEL

The newly-designed colors-*display* fitted at the A-pillar shows a general view with the most important information on the fuel tank, coolant temperature, transmission, speed, PTO, and feed rate. Its stylized *design* adapts to the pillar without discomfort and does not impede the view through the windshield or lateral window.

ESSENTIAL FUNCTIONS

The control board on the armrest has been entirely redesigned. The buttons are grouped for easy access, in which the ones of orange color are related to transmission and the ones of yellow color to the PTO. Other news is the capacity of navigation by touch in the screen with the selector of coders. Use the Case IH coder to quickly access the working menus and settings, especially during driven. By the side of the coder, the shortcut buttons enable you to access instantly the corresponding functions.

NEW DETAILS TO PLEASE THE MOST DEMANDING ONE

MORE RESOURCES ON THE ARM CONSOLE

The arm console and the remote control panel have 4 free buttons for each setup. Thus, it is possible to program them with any function for that you can have everything at your fingertips, saving time and increasing efficiency. The key mapping of the functions ISOBUS can also be saved for different implements.

The icons of the buttons are lighted for easy work, even in dark. Thus, you will have the tractor under control all the time. They make possible the following functions:

- Activate the autopilot system AFS Guide
- Proportional control of the hand throttle
- Electric-hydraulic inverter
- Rear hydraulic system
- Gear shifting for the full-powershift transmission
- Assignment of function ISOBUS
- Pre-programmable remote controls
- Activation of the headland management control system
- The key-switches 5 to 8 can be programmed with more than 100 functions



NEW MODELS

EVEN MORE STRENGTH AND ROBUSTNESS

It is developed for extremely heavy works and having the versatility to operate with any kind of implement and operation condition, the line of tractors Magnum has won new powers and now it counts with 6 models, which the powers vary from 250 to 396 hp.

FPT CURSOR 9

Variable geometry turbocharger (eVGT), Common Rail electronic injection. Fast answer and proven performance.

- Torque reserve **up to 40%**
- **Lesser fuel** consumption
- 8.7 liters FPT engine
- Variable geometry electronic turbocharger

NEW MAGNUM 380

380 hp nominal power, with internal gas recirculation system (iEGR), it does not have Power Boost.

NEW MAGNUM 400

396 hp nominal power, it uses Light SCR system (ARLA 32), it does not have Power Boost.

MAGNUM	260	290	315	340	380	400
Nominal power @2,000 rpm (hp)	250	280	311	340	380	396
Nominal power (hp)	284	315	347	374	417	435
Nominal power with Boost (hp)	319	351	382	382	417	435
Maximum torque @ 1,400 rpm (Nm)	1,229	1,381	1,531	1,671	1,762	1,850
Maximum torque @ Boost 1,400 rpm (Nm)	1,404	1,558	1,708	1,750	-	-

 **MODELS FROM
260 to 400**



EFFICIENT POWER AT ANY APPLICATION

POWERFUL

The 8.7 liters engines with DPT technology provide the most fuel efficiency and maximum power. They reach up to 14% of power increment to maximize the performance at the most difficult condition.

SMART

The system of variable geometry turbocharger (e-GT), provides efficiency at any rotation and great resumption.

PROVEN

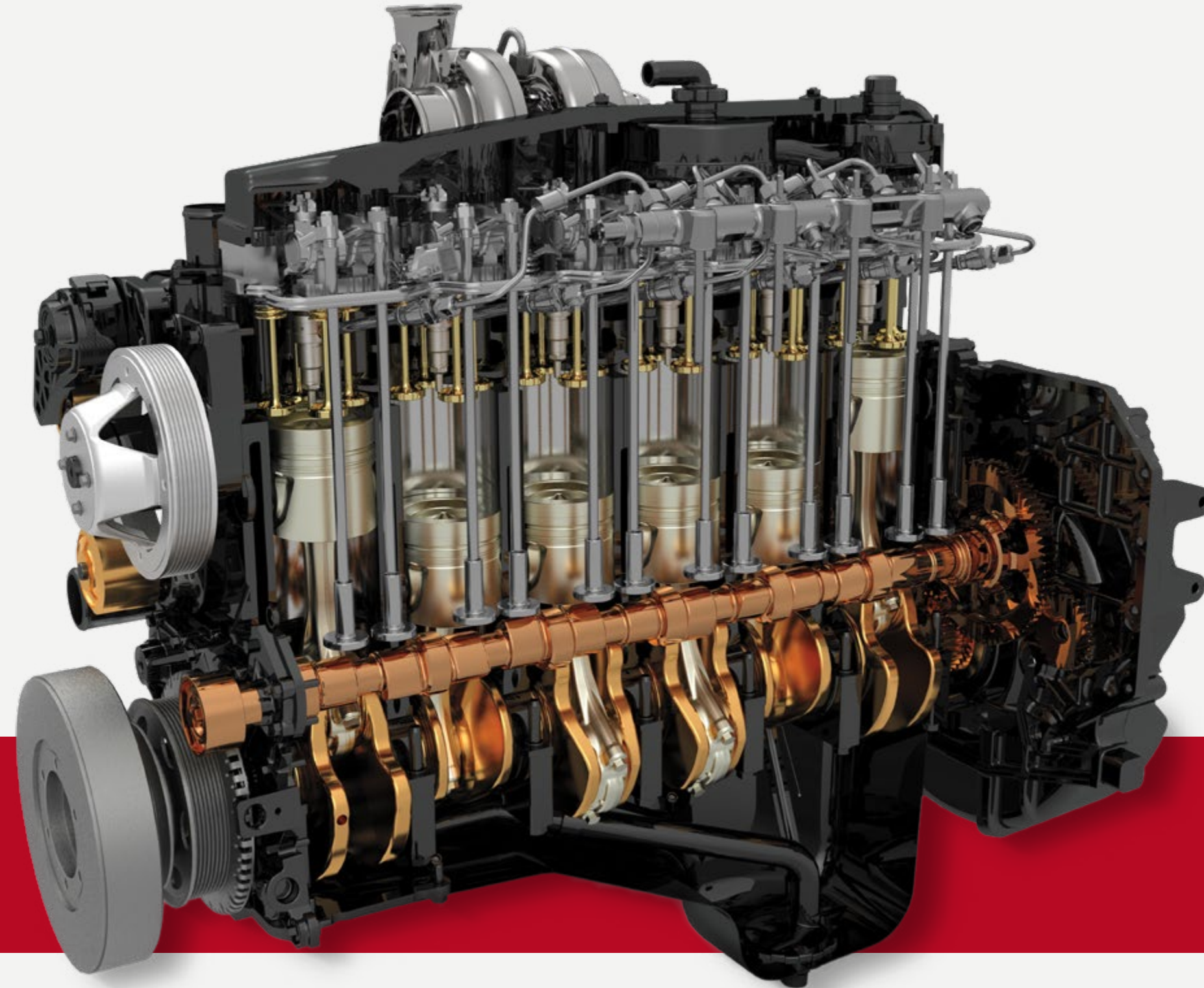
The solutions I-EGR and L-SCR are ideal for the specific models and they will provide a long lifespan on the field as hundreds of thousands of other engines have already operated using this technology.

SYSTEM OF EMISSIONS

High performance with excellent operating costs.

SIMPLE

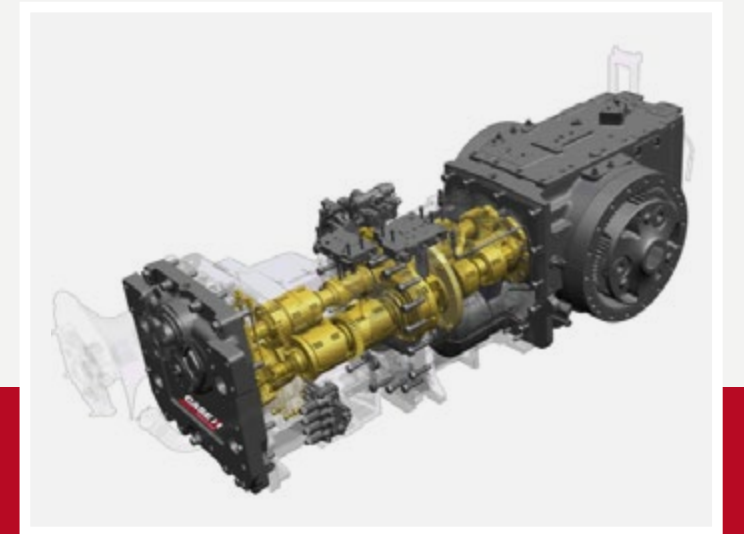
- The systems of emissions I-EGR for the models with 260 to 380 hp accent the simplicity and the lower maintenance cost as their strong points, presenting the highest performance in fuel consumption.
- For the Magnum 400, the system of emissions (ARLA L-SCR) meets the emission standards without compromising the engine performance. It does not require additional emission components as Diesel Particulate Filter (DPF) and Cooled Exhaust Gas Recirculation (CEGR), not being needed no engine regeneration. Therefore, it is possible to become active and operate all day.



POWER SHIFT TRANSMISSION

The models 380 and 400 counts with a new Full-Power shift 21x5 transmission entirely automatic. With a greater number of gears on the working speeds, it reduces fuel consumption.

The versions 260 and 340 are fitted with the proven PowerShift transmission with 18x6 gears, with several improvements that provide smooth gear shifting and transfer of power for the work on the field or road.



POWER TO THE GROUND

POWERFUL, AGILE, AND EASY TO MANEUVER

WELCOME TO A SUPERIOR CATEGORY

Having experience in building up big tractors is a point in our favor. Case IH has developed the Magnum to withstand long working hours in the hardest conditions. Its robust building allows that you to control the heaviest loads with no difficulty. Each one of the axle components has been developed and tested by our engineering and test team.

TRACTION TRANSFER TO THE GROUND

The available tires are offered with widths from 710 to 900 mm to maximize the traction and minimize the ground compaction. A wheelbase up to 3,155 mm provides better weight distribution and load capacity. To transfer all this power to the ground, the new options of wide tires at the rear with size 800, including the low sidewall technology LSW, allows the work with reduced pressure diminishing the ground compaction and providing maximum traction.

AXLES WITH OWN DRAWING

Case IH offers a V-class axle for all models fitted with optional suspension that ensures excellent stability with useful high loads. The HD rear axle presents robust versions with useful load capacity even higher. The farming operation of controlled transit with 3 meters width row can benefit from an exclusive option of the axle for the model Magnum 260.

EXCELLENT MANEUVERABILITY

Thanks to the valuable comments we receive from you, we have developed an advanced braking system that contributes to reduce the turning circle of the Magnum and protects the ground integrity at the headland and in maneuvers.



LSW technology



Standard Radials



POWER, ROBUSTNESS, HIGH TRACTION CAPACITY

MADE TO ADVANCE

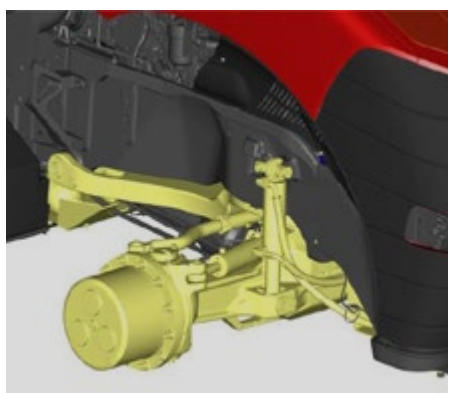
Quick adjustment buttons on the armrest allow engaging easily the differential automatic lock and the four-wheel automatic drive with no need to enter in any menu.

THESE ARE SOME OF THE POSSIBILITIES:

- Automatic deactivation of the differential lock, depending on the position of the rear hydraulic.
- Automatic deactivation of the differential lock when a determined turning angle is reached.

ALWAYS IN CONTACT TO THE GROUND

The robust front suspension of the Magnum ensures the wheels stay in permanent contact with the ground to maximize stability, traction, and control. If you are working on the field or driving at speed at transport, the suspension prevents the inclination of the tractor and compensates for depressions and waves. The adjustment of the suspension and its lock is easily controlled on the display AFS Pro 1200 in three modes: smooth, medium, and firm.



**MAXIMUM
PERFORMANCE
ON HARD CONDITION**

SPECIFICATIONS

MAGNUM AFS CONNECT	260	290	315	340	380	400
POWER						
Engine nominal power (hp)	250	280	311	340	380	396
Engine nominal power (hp)	284	315	347	374	417	435
Engine nominal power with boost (hp)	319	351	382	410	417	435
Maximum torque (Nm/rpm) @ 1,400 rpm	1,229	1,381	1,531	1,671	1,762	1,850
Maximum torque with boost (Nm/rpm) @ 1,400 rpm	1,407	1,558	1,708	1,750	1,762	1,850
torque reserve	40%	40%	40%	40%	35%	33%
Cylinders/Displacement	6 cylinders/8.7 liters					
Number of valves	24					
Intake	Cross-flow/turbocharged with control eVGT					
Emission gas treatment system	I-EGR					Light SCR (ARLA)
Fuel tank	788 liters					688 liters
Emission gas treatment system	-					80 liters
ELECTRICAL SYSTEM						
Alternator	200 A					
Battery	2 12 V batteries					
TRANSMISSION						
Type	FullPowershift 18 x 4 (40 km/h)				FullPowershift 21 x 5 (40 km/h)	
Power take-off	1,000 rpm axles 1-3/4"					
APM -Productivity automatic management	As standard for all models					
End of row button	As standard for all models					
AXLES						
Rear axle length	3,050 mm (120 in.)					
Front traction track	1,524-2,235 mm (60-88 in.)					
Front axle	HD V-class					
Wheelbase	3,055 mm (120 in.)				3,155 mm (124 in.)	
Front axle integral suspension - hydraulic	Optional				As standard	
Turning circle	6.10 m				6.18 m	
Kit Sugar cane (air brake, ball pin, spacer 3 m)	Optional	NA	NA	NA	NA	NA
HYDRAULIC SYSTEM						
System type	PFC (Compensate pressure and flow)					
Remote control electric-hydraulic valves	4	4	4	5	5	5
Fully flow	224 U/min			279 U/min		
3-point lifter category	III/IIIN	III/IIIN	III/IIIN	IV/III	IV HD	
Lifter lifting capacity (at 610 mm from the eyelet)	7,480 kg	7,480 kg	7,480 kg	8,845 kg	9,025 kg	
Kit Sugar cane (air brake, ball pin, spacer 3 m)	Optional	NA	NA	NA	NA	NA
Power Beyond (supplementary power system)	As standard for all models					

MAGNUM AFS CONNECT	260	290	315	340	380	400
CAB						
Cab suspension				Optional		
Volume (internal size)				3.1 m ³		
Noise level in the cab				69 dBa		
Glassing area				6.4 m ²		
WHEELSET - FRONT/REAR TIRES						
600/65R28 R1W 520/85R42 R1W Dual	Standard	Standard	-	-	-	-
600/60R30.5 R1W Trelleborg 850/60R38 R1W Trelleborg	Optional	Optional	Optional	-	-	-
16.9R30 R2 Dual 20.8R42 R2 Dual	Optional	Optional	Optional	Optional	-	-
600/65R28 R1W 710/70R41 R1W Dual	-	Optional	Standard	Optional	-	-
480/70R34 R1W Dual 710/70R41 R1W Dual	-	-	Optional	Standard	-	-
LSW750/60R30 LSW800/55R46	Optional	Optional	Optional	Optional	Optional	Optional
480/70R34 R1W Dual 800/70R38 R1W Dual	-	-	-	-	Standard	Standard
LSW750/60R30 LSW800/55R46 Dual	-	-	-	-	Optional	Optional
ACCURACY FARMING – AFS CONNECT						
Display Pro 1200	As standard for all models					
Antenna AFS VectorPro	As standard for all models					
Connectivity P&CM – mobile phone network	As standard for all models					
AFS VectorPro Antenna with Trimble RTK Radio	Optional					
Technical and agronomic support – Remote	As standard for all models					
Case IH AFS Connect – telemetry as standard	As standard for all models					
ISOBUS	As standard for all models					
DIMENSIONS						
Total length	6,000 mm				6,284 mm	
Total height	3,339 mm					
Total width	3,055 mm					
WEIGHTS						
Embarkation dry weight (kg)	10,110	10,110	10,110	14,148	15,800	15,800
Admissible maximum weight (kg)	13,400	14,770	15,680	16,680	18,677	18,677

CIH-10-B1005



WhatsApp
(+54) 11 2034-1546

Customer relationship
center. 24 hours per day,
7 days per week.

caseih.com/latam