

MAGNUM
AFS CONNECT

A MILESTONE IN HIGH PERFORMANCE AGRICULTURE

CASE

MAGNUM AFS CONNECT

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Magnum AFS Connect is here to be your great ally in this evolution of digital agriculture, guaranteeing total control of your operation at all times, from wherever you and your team are. The tractor that has always been recognized for its extraordinary traction capacity, great robustness, and high **performance**, now once again adds the benefits and innovations of total connectivity, ensuring precision and efficiency at new heights.

AFS CONNECT

Autopilot system with **AFS Pro 1200** monitor.

Telemetry with 4G module and **remote functions**.

AFS Vector Pro receiving antenna.

NEW MODELS

Power outputs from 265 to 412 hp.

FRONT CAMERA.

DESIGN

Hood, grilles, and lights that are reminiscent of the Case IH autonomous tractor model.

18X4 TRANSMISSION

Magnum 265, 295, 325

21X5 TRANSMISSION

Magnum 355, 380, 405



REAR CAMERA

Providing greater safety, visibility, and comfort during operations. **Standard** on 380 and 405; on other models, optional.

NEW INTERIOR

Leather seat and steering wheel, electric mirror, and radio.

LED HEADLIGHTS

Equipped with LED service light package on all models and with 360° LED lighting on the 380 and 405 models; on all other models, optional.

POWER TO THE GROUND

Offer of tires and greater ballasting capacity.

MODELS
265 TO 405
WITH EVEN MORE POWER!

DESIGN

MORE MODERN AND REDESIGNED FOR THE TOUGHEST SITUATIONS IN THE FIELD

Magnum AFS Connect has innovated in every operational aspect. It's a concept of integrating machines and systems to maximize results. The tractor has a completely modern look, with hood and lights that are reminiscent of the tractor--autonomous Case IH concept.

The similarity is no coincidence. The tractor inherits various technologies and innovations that will result in total automation in the near future!



Hood



Grilles


Lights

DESIGN INSPIRED BY
AUTONOMOUS TRACTOR


Autonomous tractor

AFS CONNECT

PREPARED FOR CONNECTED AGRIBUSINESS

Magnum AFS Connect tractors set new benchmarks for what connectivity and productivity can deliver to your operation. Now you can remotely monitor your tractor, allowing you to manage, monitor, and intervene remotely, which optimizes time and maximizes results.

MAGNUM AFS CONNECT
GREATER EFFICIENCY AND LOWER OPERATING COSTS



REAL-TIME MANAGEMENT IN THE PALM OF YOUR HAND

FOR YOU TO OPTIMIZE DATA COLLECTION AND LEVERAGE ALL THE POSSIBILITIES OF PRECISION AGRICULTURE

The project incorporates the renowned AFS Connect technology into the tractor, increasing efficiency and reducing operating costs through the data and information generated by Magnum:

- Tractor monitoring
- Agronomic management
- Data management
- Remote diagnostics
- Managing correction signals

AFS CONNECT

TECHNOLOGY AND CONNECTIVITY

Magnum AFS Connect presents an integrated set of unprecedented technologies for you to use all the resources of precision agriculture when making decisions.

1. **AFS VECTOR PRO RECEIVER ANTENNA**
2. **P&CM DATA PROCESSING AND CONNECTIVITY MODEM**
3. **AUTOPILOT SYSTEM WITH AFS PRO 1200 MONITOR**





AFS Vector Pro receiver antenna

P&CM modem

AFS Pro 1200 monitor

AFS PRO 1200 MONITOR

REMOTE ACCESS. TOTAL INTEGRATION AND MANAGEMENT

With a 12-inch LCD screen, the AFS Pro monitor has an anti-reflective coating that improves visibility in the field. The operating system is intuitive and allows you to customize the main functions and operator preferences.

And the main thing: with the AFS Pro 1200 monitor and active telemetry, you can connect to the monitor remotely. Decision-making is thus integrated between operators and farm managers, increasing the tractor's operational efficiency.

AFS VECTOR PRO

MORE SATELLITES CONNECTED, MORE PRECISION AND SPEED

The AFS Vector Pro antenna is one of Case IH's main innovations for the future of precision agriculture. And Magnum AFS Connect tractors already come with this technology from the factory.

The AFS Vector Pro has an internal terrain compensation system compatible with the world's main satellite constellations (GPS, GLONASS, Galileo, QZSSS, and BeiDou), guaranteeing extremely high signal availability for the job, with greater agility and signal stability.

DATA PROCESSING MODEM

AGILITY AND 4G CONNECTIVITY

With 64GB of internal memory and a 1.5Ghz Quad Core processor, the P&CM Modem provides 4G, 3G, and 2G connectivity and agility in data processing and storage. It centralizes the functionalities of precision agriculture, autopilot, and telemetry, enabling various operational facilities, such as:

- Remote View
- Remote Support Service
- Firmware Over the Air (FOTA)

AFS™ ADVANCED FARMING SYSTEMS

AFS CONNECT

TOTAL CONTROL OF THE OPERATION

The AFS Pro 1200 monitor is touch-sensitive and designed for intuitive navigation and optimum visibility, even on the brightest days. The monitor's remote viewing connects operators to farm managers seamlessly, and Bluetooth capabilities allow it to be paired with a cell phone, bringing everything onto a single screen.

EXCLUSIVE SETTINGS

The AFS Pro 1200 monitor offers an overview of all tractor functions, such as: hydraulic settings, TdF, engine, and transmission. So, with all this information, it's easy to optimize the operation, just use the Case IH encoder and Hotkeys and you'll have full control of all the functions.

FROM ALL ANGLES

The monitor can display video images, in real time, from all the cameras on the tractor and also from those installed on the implements that are working attached to it. In this way, the operator has a view of everything that is happening around them.

FREEDOM OF AUTOMATION WITH HEADLAND MANEUVERS

The Magnum is prepared to perform headland maneuvers autonomously. To do this, simply program the maneuver by entering the commands on the AFS monitor. Thus, at the end of each row, the tractor will carry out the process recorded in its memory, increasing your productivity and allowing you to concentrate on other work activities.



AFS PRO 1200

HIGH RESOLUTION AND TOUCH-SENSITIVE SCREEN

ALL IN SIGHT, ALL UNDER CONTROL

The high-resolution AFS Pro 1200 monitor is as easy to use as a cell phone. Each operator can set up and save their own submenu options and shortcuts tailored to their needs, leaving their preferences visible at all times.

FREEDOM OF CONTROL

By means of ISOBUS, a modern interface for the tractor and its implements, it is possible to view the machine's operating screens on the AFS Pro 1200 monitor without the need for another display, i.e. ISOBUS III allows the implement to control elements of the tractor, such as remote controls, TdF, rear hydraulic position, and ground speed.

FREEDOM OF CHOICE

The AFS Pro 1200 monitor allows you to choose from more than 100 functions, which can be assigned to eight pre-selected programming buttons. With these buttons, located on the armrest console or the Integrated Control Panel (ICP), you can easily perform functions such as radio volume, air conditioning temperature, and answering or ending phone calls. You'll always have the right settings at your fingertips.

PERFORMANCE MONITORING

The system also records total performance and daily statistics. All information is sent directly from the AFS Pro 1200 monitor to the AFS Connect platform for further processing and analysis via telemetry.

COMFORT AND CONNECTIVITY IN THE CAB

SIMPLICITY AND LUXURY LIKE YOU'VE NEVER EXPERIENCED BEFORE IN A TRACTOR CAB

Operational comfort, ergonomics, and now total connectivity. The Magnum AFS Connect cab concentrates all these features in an environment like no other.

The controls are easy to use and within easy reach. The AFS Pro 1200 monitor has a crystal-clear, customizable LCD screen, and provides all the information needed for decision-making.



OPTIONAL LUXURY CAB

LEATHER SEAT AND STEERING WHEEL, ELECTRIC MIRROR, RADIO, AND FRONT CAMERA.

+COMFORT GREATER PRODUCTIVITY

- More storage and more electrical outlets
- 40-degree swivel seat
- Redesigned ergonomic multi-function lever
- AFS 1200 display with high resolution and A-post LCD screen
- Redesigned MultiControl armrest and Multifunctional handle
- Deluxe 40-degree swivel fabric seat
- Storage/cup holders
- Instructor's seat
- Air conditioning with digital control
- Telescopic steering wheel
- Multi-control armrest

THE EASIEST WAY TO OPERATE

YOUR PREFERENCES, YOUR METHODS, YOUR OPERATING SYSTEM

Time is precious for those who work in the field. Every minute makes a difference. You therefore have complete freedom to set up your preferences on the console, without having to change them all the time. This ensures greater agility and productivity in your operations.





DEVELOPED BY (AND FOR) YOU

Everything you need is at your fingertips. The position of the armrest can be adjusted in four directions to suit any operator. The monitor also rotates 52 degrees. All this to make your day-to-day life easier. What more could you ask for?

1. **COLOR-CODED PROGRAMMABLE REMOTE CONTROL LEVERS**
2. **MULTI-FUNCTION LEVER**
3. **PROGRAMMING BUTTONS**
4. **12-INCH TOUCHSCREEN MONITOR**
5. **QUICK ADJUSTMENT OF FLOW PARAMETERS AND HYDRAULIC SYSTEM**
6. **CASE IH ENCODER BUTTONS AND SHORTCUT KEYS FOR QUICK ACCESS TO SETTINGS**

THE OPERATING SYSTEM THAT SUITS YOUR NEEDS

NOW YOU HAVE MORE OPTIONS THAN EVER

The Magnum cab was renovated following suggestions from producers like you. The result is an operational concept that integrates precision farming functions, tractor settings, and connectivity to your preferences. All this with great comfort and ergonomics.

AT YOUR FINGERTIPS

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

- Remote control
- All transmission parameters
- ISOBUS functions



Multi-function lever

INSTRUMENT PANEL

The newly designed color **display** mounted on the A-pillar shows an overview with the most important information on the fuel tank, coolant temperature, transmission, TdF speed, and feed rate. Its stylized **design** fits the spine without discomfort and does not prevent the view through the front or side windshield.

ESSENTIAL FUNCTIONS

The armrest control panel has been completely redesigned. The buttons are grouped together for easy access, with orange ones for transmission and yellow ones for TdF. Another new feature is the ability to navigate the screen by touch with the encoder selector. Use the Case IH encoder to quickly access menus and work settings, especially while driving. Next to the encoder, shortcut buttons allow you to instantly access the corresponding functions.



DETAILS

TO PLEASE THE MOST DEMANDING USERS

MORE FEATURES ON THE ARMREST CONSOLE

The armrest console and remote control panel each have 4 free buttons for settings. This way, you can program them with any function so that you can have everything at your fingertips, saving time and increasing efficiency. The key mapping of ISOBUS functions can also be saved for different implements.

The button icons are illuminated for easy working, even in the dark. That way, you'll have the tractor under control at all times. The following functions are possible:

- Activating the AFS Guide autopilot system
- Hand throttle proportional control
- Electro-hydraulic inverter
- Rear hydraulic system
- Gear change for FullPowerShift transmission
- ISOBUS function assignment
- Pre-programmable remote controls
- Activating the headland management control system
- Keys 5 to 8 can be programmed with over 100 functions

MODELS

EVEN MORE STRENGTH AND ROBUSTNESS

Developed for extremely heavy work and with the versatility to work with any type of implement and operation, the Magnum tractor line has gained new power and now has 6 models, whose power ranges from 265 to 412 hp.

FPT CURSOR 9
Variable geometry turbine (eVGT), Common Rail electronic injection. Fast response and proven performance .

- Torque reserve of **up to 40%**
- **Lower fuel consumption**
- 8.7 liter FPT engine
- Electronic variable geometry turbocharger

MAGNUM 380
380 hp rated power, with internal gas recirculation system (iEGR), no PowerBoost.

MAGNUM 405
412 hp rated power, uses Light SCR system (ARLA 32), no PowerBoost.



MODELS	MAGNUM 265	MAGNUM 295	MAGNUM 325	MAGNUM 355	MAGNUM 380	MAGNUM 405
Rated engine power (hp)	265	295	325	355	375	412
Maximum engine power (hp)	286	318	339	379	421	437
Maximum engine power with boost (hp)	322	359	392	419	421	437
Maximum torque (Nm/rpm) @ 1,400 rpm	1229	1381	1528	1671	1811	1867
Maximum torque with boost (Nm/RPM) @ 1,400 rpm	1435	1588	1746	1810	1811	1867
Torque reserve	40%	40%	40%	40%	35%	33%

EFFICIENT POWER IN ANY APPLICATION

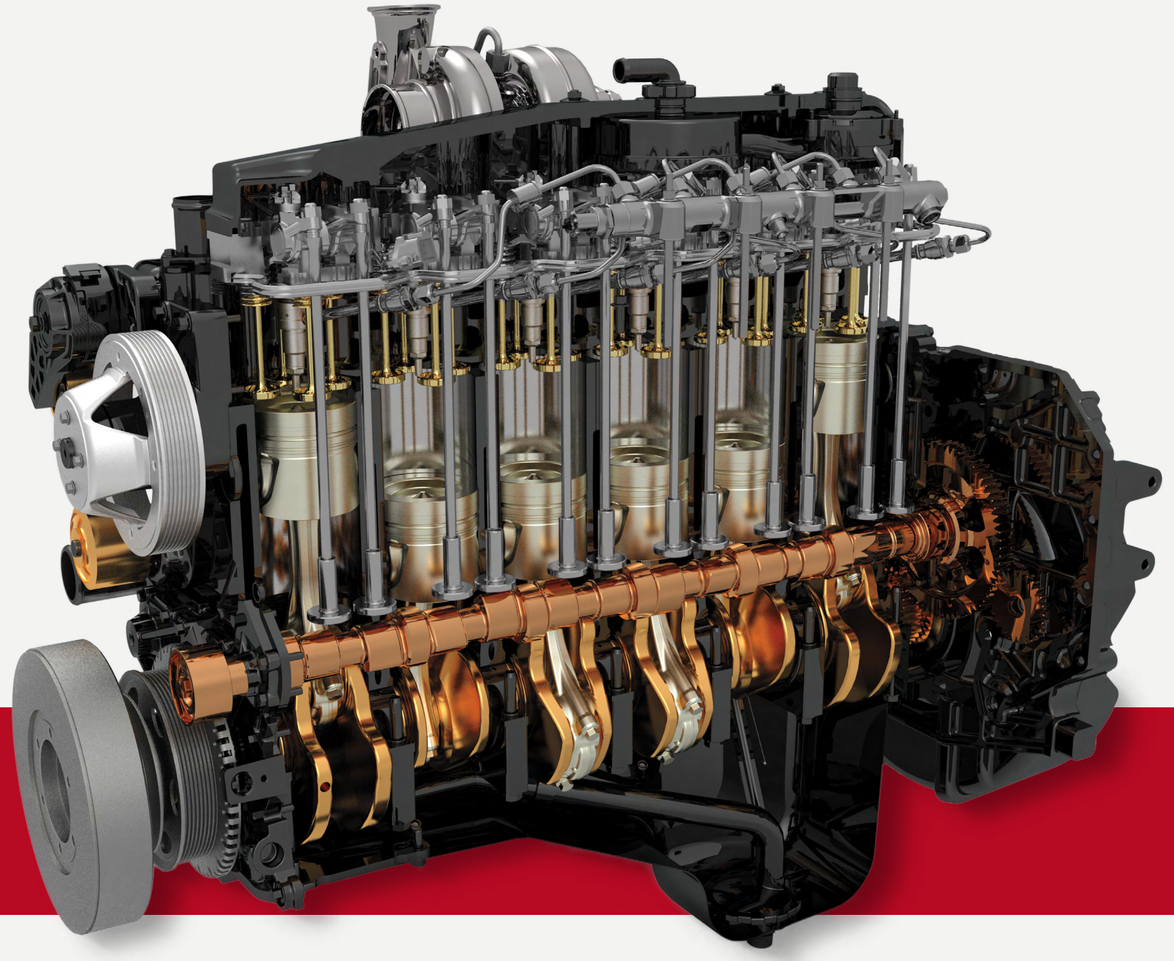
POWERFUL
8.7-liter engines with FPT technology provide more fuel efficiency and maximum power. They achieve up to 14% more power to maximize performance in the toughest conditions.

INTELLIGENT
Variable geometry turbocharger system (e-GVT), providing efficiency at any rpm and great acceleration.

VALIDATED
The I-EGR and L-SCR solutions are ideal for the specific models and will provide longevity in the field, like hundreds of thousands of other engines that already operate with this technology.

EMISSIONS SYSTEM
High performance with excellent operating costs.

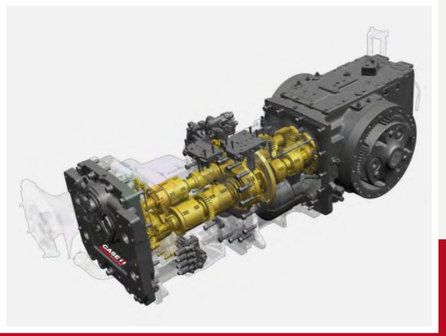
SIMPLE
- The I-EGR emission systems for the 265 to 380 hp models highlight simplicity and low maintenance costs as their strengths, bringing the highest performance in fuel consumption.
- For the Magnum 405 tractor, the emissions system (L-SCR Arla) meets emission standards without compromising engine performance. It does not require additional emission components, such as Diesel Particulate Filter (DPF) and Cooled Exhaust Gas Recirculation (CEGR), and no engine regeneration is necessary. So you can stay active and work all day.



POWERSHIFT TRANSMISSION

The 355, 380, and 405 models have a new fully automatic FullPowerShift 21x5 transmission. With a higher number of gears at working speeds, it reduces fuel consumption.

The 265, 295, and 325 versions are equipped with the validated 18x4-speed Powershift transmission, with several improvements, which provides smooth shifting and power transfer to the field or road.



POWER AT THE WHEELS

POWERFUL, AGILE, AND EASY TO MANEUVER

WELCOME TO A HIGHER CATEGORY

Having experience in building large tractors is a point in our favor. Case IH created Magnum to withstand long working hours in the toughest conditions. Its robust construction allows you to handle the heaviest loads without difficulty. Each of the axle's components has been developed and tested by our engineering and testing team.

TRANSFERRING TRACTION TO THE GROUND

The available tires are offered in widths from 710 to 900 mm to maximize traction and minimize soil compaction. A wheelbase of up to 3,155 mm allows for better weight distribution and load capacity. To transfer all this power to the ground, the new wide tire options at the rear, measuring 800, including LSW low-profile technology, allow work with reduced pressure, reducing soil compaction and delivering maximum traction.

AXLES WITH THEIR OWN DESIGN

Case IH offers a class V axle for all models with optional suspension, which guarantees excellent stability with high payloads. HD rear axle features robust versions with even higher payload capacity. Controlled traffic agricultural operations with 3-meter row widths can benefit from an axle option exclusive to the Magnum 260 model.

EXCELLENT MANEUVERABILITY

Thanks to the valuable feedback we've received from you, we've developed an advanced braking system that helps reduce the Magnum's turning radius and protects the integrity of the ground during headlands and maneuvers.



LSW technology



Standard radials

STRENGTH, ROBUSTNESS, HIGH TRACTION CAPACITY

BUILT TO MOVE FORWARD

Quick-adjust buttons on the armrest allow you to easily engage the automatic differential lock and automatic four-wheel drive without having to enter any menus.

THESE ARE SOME OF THE POSSIBILITIES:

- Automatic deactivation of the differential lock, depending on the position of the rear hydraulics.
- Automatic deactivation of the differential lock when a certain steering angle is reached.

ALWAYS IN CONTACT WITH THE GROUND

Magnum's robust front suspension ensures that the wheels make permanent contact with the ground to maximize stability, traction, and control. Whether you're working in the field or driving at speed in transport, the suspension prevents the tractor from tilting and compensates for depressions and undulations. Suspension adjustment and locking are easily controlled on the AFS Pro 1200 monitor in three modes: soft, medium, and firm.



SPECIFICATIONS

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POWER						
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Maximum torque with boost (Nm/rpm) @ 1,400 rpm	1435	1588	1746	1810	1811	1867
Torque reserve	40%	40%	40%	40%	35%	33%
Cylinders/capacity	6 cylinders/8.7 liters					
Number of valves	24					
Aspiration	Cross-flow/turbocharged with eVGT control					
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 x 12 V batteries					
TRANSMISSION						
Type	Full-Powershift 18 x 4 (40 km/h)			Full-Powershift 21 x 5 (40 km/h)		
Power take-off	1,000 rpm 1-3/4" shafts					
APM - Automatic Productivity Management	Standard for all models					
End of line button	Standard for all models					
AXES						
Rear axle length	3,050 mm (120")					
Front-wheel drive gauge	1,524-2,235 mm (60-88")					
Front axle	Class V HD					
Wheelbase	3,055 mm (120")			3,155 mm (124")		
Integral front axle suspension - hydraulic	Optional			Standard		
Turning radius	6.10 m				6.18 m	
Cane kit (pneumatic brake, pin-ball, 3 m spacer)	Optional	NA	NA	NA	NA	NA
HYDRAULIC SYSTEM						
Type of system	PFC (Pressure and Flow Compensated)					
Electro-hydraulic remote control valves	5			6		
Type of hydraulic pump	HiFlow			GigaFlow		
Total flow	212 L/min			333 L/min		
3-point lifting category	III/IIIN	III/IIIN	III/IIIN	IV/III	IV HD	
Lifting capacity (610 mm from the eyebolt)	7,480 kg	7,480 kg	7,480 kg	8,845 kg	9,025 kg	
Cane kit (pneumatic brake, pin-ball, 3 m spacer)	Optional	NA	NA	NA	NA	NA
Power Beyond (supplementary power system)	Standard for all models					

MAGNUM AFS CONNECT	265	295	325	355	380	405
CABIN						
Volume (internal size)	3.1 m^3					
Cabin noise level	69 dBa					
Glazed area	6.4 m^2					
WHEELS - FRONT / REAR TIRES						
600/65R28 R1W - 520/85R42 R1W Dual	*Standard*	*Standard*	-	-	-	-
600/70R30 R1W - 710/70R42 R1W	Optional	Optional	-	-	-	-
600/60R30.5 R1W Trelleborg - 850/60R38 R1W Trelleborg	Optional	Optional	Optional	-	-	-
16.9R30 R2 Dual - 20.8R42 R2 Dual	Optional	Optional	Optional	-	-	-
480/70 R34 R1W Dual Michelin - 710/70 R42 R1W Dual Michelin	Optional	Optional	Optional	Optional	-	-
600/65R28 R1W - 710/70R42 R1W Dual	-	Optional	Optional	Optional	-	-
480/70R34 R1W Dual - 710/70R42 R1W Dual	-	-	*Standard*	*Standard*	-	-
710/60R30 R1W Trelleborg - 900/60R38 R1W Trelleborg	-	-	-	Optional	Optional	Optional
480/70R34 R1W Dual - 800/70R38 R1W Dual	-	-	-	-	*Standard*	*Standard*
540/65R34 R1W Dual Michelin - 800/70 R38 R1W Dual Michelin	-	-	-	-	Optional	Optional
600/70R30 R1W Dual Michelin - 800/70 R38 R1W Dual Michelin	-	-	-	-	Optional	Optional
PRECISION FARMING - AFS CONNECT						
Pro 1200 monitor	Standard for all models					
AFS VectorPro antenna	Standard for all models					
P&CM connectivity - mobile network	Standard for all models					
VectorPro AFS Antenna with Trimble RTK Radio	Optional					
Technical and agronomic support - Remote	Standard for all models					
IH AFS Connect case - standard telemetry	Standard for all models					
ISOBUS	Standard for all models					
DIMENSIONS						
Total length	6,000 mm			6,284 mm		
Total height	3,339 mm					
Total width	3,055 mm					
WEIGHTS						
Dry shipping weight (kg)	10,110	10,110	10,110	14,148	15,800	15,800
Maximum permissible weight (kg)	13,400	14,770	15,680	16,680	18,677	18,677

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