

CASE II
AGRICULTURE

AFS
CONNECT

MAGNUM™







EXPERIENCE FARMING THE WAY IT SHOULD BE.

Each day in agriculture delivers new challenges and opportunities. Some you can control and others, such as the weather, you cannot. One constant is your desire for independence, mapping your own path and seeing your operation succeed. The freedom to act on your own choices also defines the new AFS Connect Magnum.

LOOKING FOR MORE TIME? OPTIMIZE IT.

The technology embedded in the completely redesigned cab is your key to unlocking a level of connectivity never before seen in a Case IH tractor. Starting with the new AFS Vision Pro operating system, it enables you to configure precision farming functionality, tractor systems and connectivity with integrated solutions. This comes without sacrificing the power, efficiency and productivity for which Magnum tractors are known.

The AFS Connect Magnum integrates the technology you demand into one easy-to-use package. The only add-on required is you.



AFS CONNECT MAGNUM

High-Efficiency Farming.....	4-5
Cab Updates	6-7
AFS Connect Magnum At-A-Glance.....	8-9
Engine	10-11
Family Configurations.....	12-13
Serviceability and Support.....	14-15
Specifications	18-19



PRODUCTIVITY AND CONNECTIVITY BUILT INTO YOUR TRACTOR.

The AFS Connect Magnum series tractors set new limits on what connectivity and productivity can mean to your farming operation. You now have the ability to remotely monitor your Magnum tractor. You can view the same screen the operator is seeing, and transfer data both to and from the tractor to trusted strategic partners, your home operation or any other location with which you share connectivity.



GAIN FULL REMOTE VISIBILITY.

Sometimes, life gives you moments you can't afford to miss. Whether that's at the ballfield or simply joining the family around the dinner table, AFS Connect helps put you where you want to be. You don't need to be in the cab to see exactly what the operator is seeing. You can remotely view an AFS Pro 1200 display from wherever you are. Integrated solutions link your farm, fleet and data. AFS Connect helps you optimize your time by delivering the information you need to make better, more-informed management decisions.

- **Remote Display Viewing.** No matter where they are, a farm manager or dealer can easily see exactly what the operator is seeing on the screen in the tractor cab.
- **Remote Service Support.** There's no time for downtime. Now, you can work with your local Case IH dealer to remotely diagnose maintenance and service issues and identify the parts you need to stay up and running.
- **Firmware Over the Air (FOTA).** Update your operating firmware wirelessly to take advantage of new features, functionality and enhancements.

A CAB ENVIRONMENT LIKE NO OTHER.

The new AFS Connect Magnum cab is finished with automotive quality materials and designed to provide an in-cab experience like no other. Easy-to-use controls are right at your fingertips. Convenient features like USB charging outlets, 12V power ports, monitor mounts, cup holders and even 120V power are available for your use. The AFS Pro 1200 features a crystal clear, LCD display that is fully customizable to provide critical information in a simple, easy to understand format.



A Luxury leather seat with 40-degree swivel

B Storage/cup holders

C Instructor seat

D New full glass door with no center pillar with optional wiper and sun shade

E Molded floor mat

F Motorcycle-style foot pegs

G Zone controlled HVAC airflow

H Telescoping steering wheel with memory lock

I AFS Pro 1200 and LCD with anti-glare screens

J Color-coded electro-hydraulic remotes

K Encoder

L MultiControl Armrest

M RAM device mounts

N USB, 3 pin and system data and power ports (throughout cab)

O 3-point hitch control

AN OPERATOR ENVIRONMENT ABOVE THE REST.

Engineers at Case IH started with a clean slate, then used years of research and input from our most qualified experts: you. The result is an interior that blends simplicity and luxury like you've never experienced in a tractor cab before.



- A** Pre-programmed hot keys
- B** Configurable hot keys 1–4
- C** Configurable hot keys 5–8
- D** MultiFunction Handle
- E** Configurable electro-hydraulic remote (EHR) levers
- F** New AFS Pro 1200, 12-in. touch screen display

REDESIGNED FOR YOUR PRODUCTIVITY.

The AFS Connect Magnum series tractor has evolved styling and features to deliver exactly what you need to make your life easier and more productive.

AFS VECTOR PRO RECEIVER. ■

Consolidated components improve guidance consistency.

TRI-STRIPE DECALS. ■

Updated styling reflects the latest design seen only on new Case IH tractors.

LED LIGHTS ON HOOD AND AT TOP. ■

Operate whenever you need to with lights that provide superior visibility at night.

CAMERAS. ■

The AFS Pro 1200 has four (4) camera inputs. Front and rear cameras are included with the luxury cab package. Connections for 4 cameras are standard with technology cab packages.





■ **MIRRORS.**

Electronic telescoping mirrors are controlled from the tractor cab for easy adjustments.

■ **BREAKAWAY-STYLE MARKER LIGHTS.**

Up your visibility with marker lights designed to break away if they encounter an obstacle but won't break off.

■ **360-DEGREE EGRESS LIGHTING.**

Located at every angle around the tractor to give you better visibility upon exiting the cab in low light situations.

■ **TIRE PRESSURE MONITORING SENSORS.**

Monitor and view tire pressure through the AFS Pro 1200 display.

■ **SEMI-ACTIVE CAB SUSPENSION.**

Improved cab comfort reduces operator fatigue for a smooth ride on long days in the field.

■ **CAST WHEEL SPACERS.**

Machining minimizes tire runout and improves hub retention.

EFFICIENT POWER IN ANY APPLICATION.

With two industry-leading transmissions to choose from, Case IH can deliver the optimal choice to match the requirements of your operation.

CVXDRIVE CONTINUOUSLY VARIABLE TRANSMISSION.

Built for simple operation, the CVXDrive™ transmission delivers the exact speed for your operation without compromise.

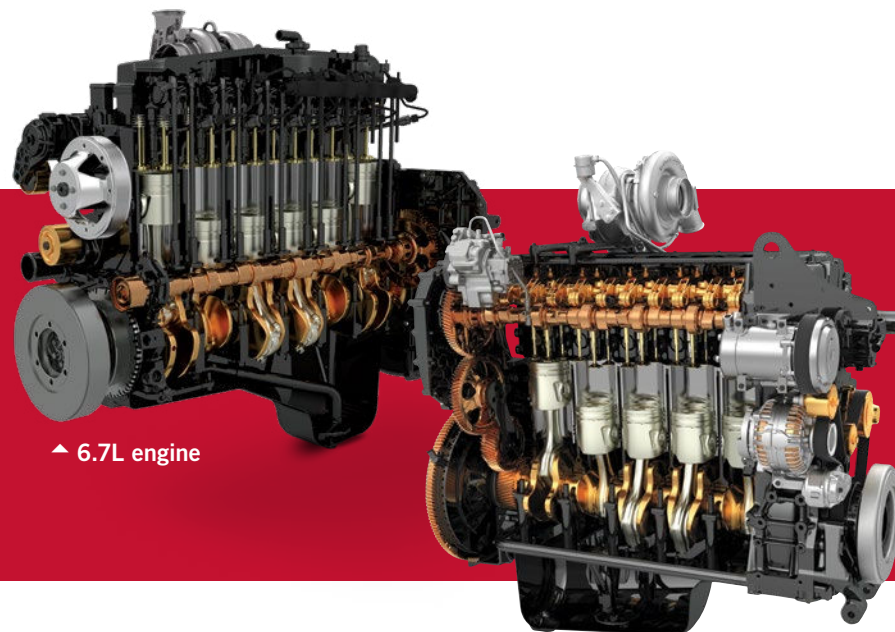
POWERDRIVE POWERSHIFT TRANSMISSION.

Proven 19-speed full powershift transmission delivers ultra-smooth shifting and power transfer for the field or road, allowing for maximum productivity.

Magnum Model	180	200	220	240	250	280	310	340	380
Maximum Boosted Engine HP @ 1,800 engine rpm	225	245	260	270	320	350	380	410	435
PowerDrive Transmission	●	●	●	NA	●	●	●	●	NA
CVXDrive Transmission	○	○	○	●	○	○	○	○	●

● Standard Transmission ○ Optional Transmission





▲ 6.7L engine

◀ 8.7L engine

POWERFUL.

- 6.7- and 8.7-liter engines with FPT technology provide leading fuel efficiency while maximizing power.
- Up to 14 percent power growth to maximize performance in the toughest conditions.

SIMPLE.

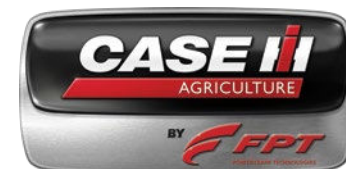
- Patented Selective Catalytic Reduction (SCR) meets Tier 4 B/Final emission standards without compromising engine performance.
- Does not require additional emission components, such as Diesel Particulate Filter (DPF) and Cooled Exhaust Gas Recirculation (CEGR).
- No engine regeneration is required, so you can stay up and running all day long.

SMART.

- SCR technology provides simplified emission compliance.
- Exclusive engine brake option.

PROVEN.

- SCR-only solution continues to perform in the field with hundreds of thousands of engines in operation and counting.



CONFIGURATIONS TO FIT ANY OPERATION.

New AFS Connect Magnum tractors can be configured to fit your operation — regardless of the demanding application.



WHEELED.

In a high-horsepower row crop tractor, you demand efficiency for maximum productivity. With reliable power, advanced hydraulics and an industry-best turning radius, no job is too tough.



ROWTRAC.

When traction and agronomic advantages are essential to your operation, the AFS Connect Magnum Rowtrac™ tractors are the right choice. They provide fixed-frame configuration, turn like a traditional tractor and feature the same traction and flotation as all Case IH track systems.

MODEL	340	380
Available Row Spacing	20", 22", 30", 34", 36", 38" & 40"	
Available Track Widths	16", 18", 21", 24" & 30"	

* Case IH exclusive.





■ **LED GRILL LIGHTS.**

New LED grill lights provide increased front and side visibility.

SERVICEABILITY AND SUPPORT.

Whether you are three miles or 300 miles away, you can get the support you need from your knowledgeable Case IH dealer. New features on the AFS Connect Magnum tractor allow them to better support you and your fleet remotely — and in real time. And when you do need service, they are ready to help you eliminate unnecessary downtime. There is no more waiting for a service truck to drive to the farm to diagnose an issue or driving around looking for the right part.



DAY-TO-DAY SERVICE IS AS EASY AS STANDING UP.

Checking transmission oil, hydraulic fluid or filters is easier than ever before. Ground-level fluid checks from a single location near the cab entry help you to stay on top of maintenance as quickly as possible. And an industry-leading, 600-hour engine oil service interval keeps you in the field.

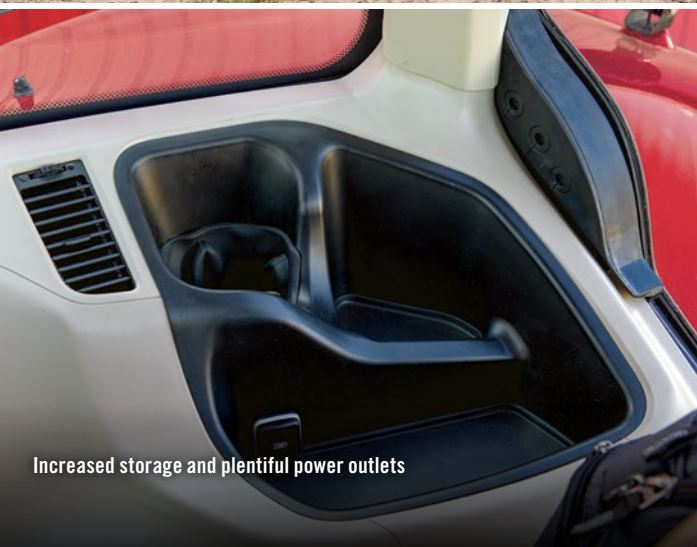
REMOTE SUPPORT FROM YOUR KNOWLEDGEABLE DEALER.

Every minute in the field counts. From setting up your new AFS Connect Magnum tractor to diagnosing machine codes, your dealer is just a call away to provide you remote support to keep you up and running.

- **Remote Display Viewing:** No matter where you are in the field, you can grant access to your dealer so they can walk you through display setup for any application at hand.
- **Remote Service Support:** Your dealer can help you remotely diagnose machine codes. That way, you'll know if it's an operator error, regular maintenance or service need. And when you need a part or service, your dealer will know which one to bring out to the farm.
- **Firmware Over The Air (FOTA):** Constantly have updated technology. Your dealer will know when you need a software update and can push it to your machine when the time is right.

EQUIPMENT INFORMATION AT YOUR FINGERTIPS.

When you have questions about Case IH equipment maintenance, there's no time to lose getting back in the field. MyCaseIH.com is your all-new destination for Case IH product support, including free operators manual downloads, AFS training videos, how-to tutorials and maintenance tips to help you through questions or situations you encounter every day.



Increased storage and plentiful power outlets

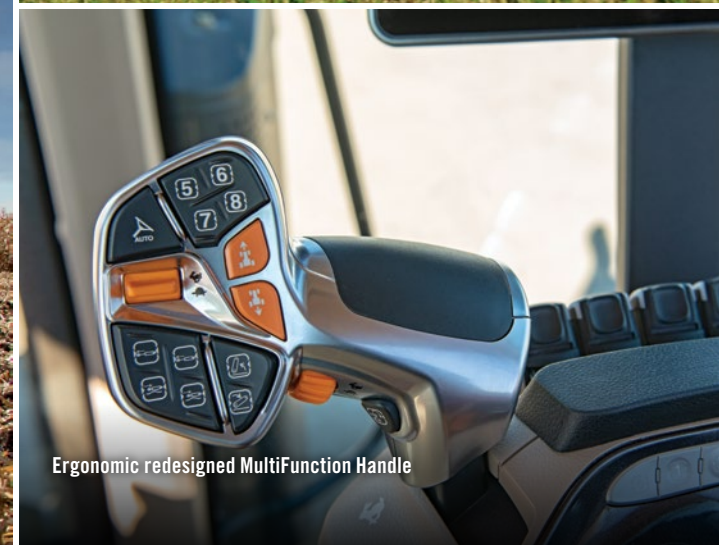


40 degree seat swivel



Motor-cycle style foot rest pegs for added comfort





Ergonomic redesigned Multifunction Handle



Crisp and clear new AFS Pro 1200 display and A-post LCD screen



Redesigned MultiControl armrest and Multifunction handle



Virtually limitless storage options

MAGNUM MODEL	MAGNUM 180	MAGNUM 200	MAGNUM 220	MAGNUM 240	MAGNUM 250	MAGNUM 280
ENGINE						
Engine Type	Tier 4 B/Final with Selective Catalytic Reduction (SCR)					
HP ISO/ECE R120 (CV)	180 @ rated 2,100 rpm	200 @ rated 2,100 rpm	220 @ rated 2,100 rpm	240 @ rated 2,100 rpm	250 @ rated 2,000 rpm	280 @ rated 2,000 rpm
Max. HP @ Rated 1,800 rpm ISO/ECE R120 (CV)	200	220	240	260	285	315
Max. Boosted HP @ Rated 1,800 rpm ISO/ECE R120 (CV)	225	245	260	270	320	350
PTO HP per SAE	155 @ rated 2,100 rpm	170 @ rated 2,100 rpm	185 @ rated 2,100 rpm	205 @ rated 2,100 rpm	205 @ rated 2,000 rpm	235 @ rated 2,000 rpm
Cylinders/Number of Valves/Displacement	6 cyl./24 valves/6.7 L				6 cyl./24 valves/8.7 L	
Engine Aspiration	Turbocharger wastegate				Turbocharger eVGT	
Engine Compression Brake	NA				Optional	
ELECTRICAL						
Alternator/Battery	240 amp/12-volt battery				240 amp/2 12-volt batteries	
TRANSMISSION/PTO						
PowerDrive: 18 Speed – 25 mph (40 kph)	NA				Optional	
PowerDrive: 19 Speed (Economy) – 25 mph (40 kph)	Standard			NA	Standard	
PowerDrive: 19 Speed – 30 mph (50 kph)	Optional			NA	Optional	
CVXDrive Transmission: 25 mph (40 kph)	Optional			Standard	Optional	
CVXDrive Transmission: 30 mph (50 kph)	Optional					
Rear PTO – Standard/Optional	540 rpm 1-3/8 in. dia. and 1,000 rpm 1-3/8 in. dia. / NA				1,000 rpm 1-3/4 in. dia./Optional 3 interchangeable shafts: 540 and 1,000 rpm 1-3/8 in. dia. and 1,000 rpm 1-3/4 in. dia.	
AXLES						
Rear Axle Diameter – Standard/Optional	4 in. (100 mm)/NA				4 in. (100 mm)/4.5 in. (115 mm)	
Rear Axle Length – Standard/Optional	119 in. (3 020 mm)/112 in. (2 489 mm)				120 in. (3 050 mm)/NA	
Suspended Front Axle	Optional					
MFD Tread Adjustability	60–88 in. (1 524–2 235 mm)					
MFD Duals	Optional on Class 4.75 axles				Optional on Class 4.75 and Class 5 axles	
Wheelbase – PowerDrive	118 in. (3 000 mm)				120 in. (3 050 mm)	
Wheelbase – CVXDrive	118 in. (3 000 mm)				122 in. (3 100 mm)	
HYDRAULICS/HITCH						
System Type	Pressure Flow Compensating (PFC)					
Remotes – Standard/Optional	3 Electrohydraulic standard/ 4 or 5 Electrohydraulic optional				4 Electrohydraulic standard /5 or 6 Electrohydraulic optional	
Main Implement Pump Flow	PowerDrive = 41 gpm (156 L/min.)/CVXDrive = 43 gpm (162 L/min.)				44 gpm (166 L/min.) / 59 gpm (225 L/min.) or 75 gpm (282 L/min.)	
Rear 3-pt Hitch – Standard/Optional	Cat III/IIIN/NA					Cat III/IIIN/Cat IV/III
Standard Hitch Lift Capacity	13,600 lb. (6 170 kg) without Quick Coupler; 13,000 lb. (5 900 kg) with Quick Coupler				14,000 lb. (6 350 kg)	
Optional Front 3-pt Hitch Lift Capacity	NA				9,426 lb. (4 275 kg)	
Front Hitch PTO Speed and Shaft Size	NA				1,000 rpm	
PTO Shaft Size	NA				1 3/8 in. (35 mm) shaft 21 spline	
CAPACITIES						
Fuel Tank	160 gal. (600 L)				PowerDrive: 179 gal. (678 L)/ CVXDrive: 163 gal. (617 L)	
Diesel Exhaust Fluid (DEF) Tank	17.5 gal. (66 L)				26 gal. (99 L)	
CAB						
Cab Suspension	Standard					
Volume (Size)/Glass (Area)/Cab Sound Level	109.5 cu ft. (3.1 m³/68.5 sq. ft.) / 67 dBa					
WEIGHT						
Average Shipping Weight	21,500 lb. (9 750 kg)				28,600 lb. (12 973 kg)	

MAGNUM MODEL	MAGNUM 310	MAGNUM 340	MAGNUM ROWTRAC 340	MAGNUM 380	MAGNUM ROWTRAC 380
ENGINE					
Engine Type	Tier 4 B/Final with Selective Catalytic Reduction (SCR)				
Engine HP	310 @ rated 2,000 rpm	340 @ rated 2,000 rpm		380 @ rated 2,000 rpm	
Maximum Engine HP @ Rated 1,800 rpm ISO/ECE R120 (CV)	345	375		415	
Maximum Boosted Engine HP @ Rated 1,800 rpm ISO/ECE R120 (CV)	380	410		435	
PTO HP per SAE	265 @ rated 2,000 rpm	290 @ rated 2,000 rpm		315 @ rated 2,000 rpm	
Cylinders/Number of Valves/Displacement	6 cyl./24 valves/8.7 L				
Engine Aspiration	Turbocharger eVGT				
Engine Compression Brake	Optional				
ELECTRICAL					
Alternator/Battery	240 amp/2 12-volt batteries				
TRANSMISSION/PTO					
PowerDrive: 18 Speed—25 mph (40 kph)	Optional	Standard		NA	
PowerDrive: 19 Speed (Economy)—25 mph (40 kph)	Standard	NA			
PowerDrive: 19 Speed—30 mph (50 kph)	Optional	NA			
CVXDrive Transmission: 25 mph (40 kph)	Optional			Standard	
CVXDrive Transmission: 30 mph (50 kph)	Optional	NA		Optional	NA
Rear PTO — Standard/Optional	1,000 rpm 1-3/4 in. dia./Optional 3 interchangeable shafts: 540 and 1,000 rpm 1-3/8 in. dia. and 1,000 rpm 1-3/4 in. dia.				
AXLES					
Rear Axle Diameter — Standard/Optional	4.5 in. (115 mm)/NA		NA	5 in. (127 mm)/NA	NA
Rear Axle Length — Standard	120 in. (3 050 mm)/NA		NA	120 in. (3 050 mm)/NA	NA
Suspended Front Axle	Optional				
MFD Tread Adjustability	60—88 in. (1 524—2 235 mm)				
MFD Duals	Optional on Class 4.75 and Class 5 axles				
Wheelbase — PowerDrive	120 in. (3 050 mm)		124 in. (3 150 mm)	NA	124 in. (3 150 mm)
Wheelbase — CVXDrive	122 in. (3 100 mm)		124 in. (3 150 mm)	124 in. (3 150 mm)	124 in. (3 150 mm)
HYDRAULICS/HITCH					
System Type	Pressure Flow Compensating (PFC)				
Remotes — Standard/Optional	4 Electrohydraulic standard/5 or 6 Electrohydraulic optional				
Main Implement Pump Flow	44 gpm (166 L/min.) / 59 gpm (225 L/min.) or 75 gpm (282 L/min.)				
Rear 3-pt Hitch — Standard /Optional	Cat III/IIIN/Cat IV/III	Cat IV/III/NA			
Standard Hitch Lift Capacity	15,900 lb. (7 210 kg)	17,500 lb. (7 940 kg)		19,900 lb. (9 026 kg)	
Optional Front 3-pt Hitch Lift Capacity	9,426 lb. (4 275 kg)				
Front Hitch PTO Speed	1,000 rpm				
PTO Shaft Size	1 3/8 in. (35 mm) shaft 21 spline				
CAPACITIES					
Fuel Tank	PowerDrive: 179 gal. (678 L)/ CVXDrive: 163 gal. (617 L)				
Diesel Exhaust Fluid (DEF) Tank	26 gal. (99 L)				
CAB					
Cab Suspension	Standard				
Volume (Size)/Glass (Area)/Cab Sound Level	109.5 cu ft. (3.1 m³/68.5 sq. ft.) /67 dBa				
WEIGHT					
Average Standard Weight	28,800 lb. (13 082 kg)	29,600 lb. (13 458 kg)	36,000 lb. (16 329)	32,200 lb. (14 148 kg)	36,000 lb. (16 329)

SAFETY NEVER HURTS!™ Always read the Operators Manual before operating 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. CNH Industrial America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

©2019 CNH Industrial America LLC. All rights reserved. Case IH is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Any trademarks referred to herein, in association with goods and/or services of companies other than CNH Industrial America LLC, are the property of those respective companies. Printed in U.S.A. www.caseih.com CIH19012801 replaces CIH03211401



CASE IH
AGRICULTURE