

# MAGNUM







# POWERFUL PRODUCTIVITY DRIVES HIGH RETURNS

## BRINGING VALUE TO YOUR FARMING OPERATION FOR OVER 160 YEARS

The quest for ever-increasing quality, productivity and returns on your investments drive your business choices. Since 1842 Case IH has been at the side of professional farmers like you, providing the advanced technologies, productive equipment and innovative services you need to run your business successfully. We strive to anticipate the evolving needs of modern agriculture so you can stay one step ahead. We continuously set new standards of productivity and efficiency with our equipment, and today our complete range of Case IH products fulfil the highest expectations of the most demanding professional farmers. Every day we remain focused on being the best so that Case IH lives up to its promise to you: delivering first-rate products of consistently high quality, maximum performance and minimum ownership costs supported by reliably outstanding service. We are always looking ahead, towards new and innovative solutions to help you meet the rising demands made on your businesses.

## POWERFUL PRODUCTIVITY AND EFFICIENT ECONOMY

Professional farmers need to know they can count on their tractor to deliver power, productivity and economy in their fields and on the road. The Magnum gives you all the performance you need for heavy fieldwork and transportation. Choose a Magnum and decide on either a Full Powershift Transmission or a Continuously Variable Transmission to bring the power to the ground that you need. The Magnum features Efficient Power technology and Selective Catalytic Reduction (SCR) designed by Case IH, the leader in high horsepower tractors, to deliver the most powerful performance with the best fuel savings and low emissions. You can choose the Magnum that best fits your needs from 5 models ranging from 260 to 340hp(CV) with full Powershift or CVX transmission, or at the very top of the range the 367hp CVX model.

## THE HIGHEST HORSEPOWER STANDARD TRACTOR MODELS IN THE INDUSTRY

The Magnum is a best-in-class machine designed for today's professional farmer. The ideal operator environment provides ample space and perfect visibility of front and rear implements, whilst the full suspension ensures a smooth ride for both driver and implements. The powerful lighting package enables you to carry on with your work after dark. The engine is perfectly suited to the Magnum's main applications and the wide offering of tyres and ballasting deliver perfect traction in all conditions. You can count on the Magnum to transfer its full power to the ground in all conditions, delivering massive productivity at exceptionally low running costs.

MODELS	Rated power ECE R120 <sup>3</sup> (kW/hp(CV))	Maximum power ECE R120 <sup>3</sup> Power Management (kW/hp(CV))	Capacity (cm <sup>3</sup> )	Number of cylinders
Magnum 260 FPS / CVX	189 / 257	219 / 298	8,700	6
Magnum 290 FPS / CVX	209 / 284	241 / 328	8,700	6
Magnum 315 FPS / CVX	229 / 311	263 / 357	8,700	6
Magnum 340 FPS / CVX	250 / 340	286 / 389	8,700	6
Magnum 370 CVX	270 / 367	308 / 419	8,700	6

<sup>3</sup> ECE R120 correspond to ISO 14396 and 97 / 68 / EC or 2000 / 25 / EC

# DESIGNED FOR LARGE-SCALE FARMERS

## WE DESIGNED AND BUILT THE NEW-STYLE MAGNUM RANGE JUST AS YOU WANTED IT:

Big on power, comfort, productivity and durability to meet the needs of large-scale farming. The new Magnum brings reliable technology to your business, delivering a powerful performance with low ownership costs. The new transmission and additional 370 horsepower model further raise the bar on the productivity and returns for your business.



### SUPREME COMFORT IN FULL CONTROL

You won't feel tired after long working days on the Magnum, with the ergonomic layout and excellent visibility of your front and rear implements. Suspension on the cab, seat, axle and front and rear linkage provides a remarkably smooth ride whilst the low noise levels and climate control create a comfortable environment.



### INTUITIVE OPERATION PUTS YOU IN CONTROL

You have a perfect overview of all your Magnum's functions: the Multicontroller armrest puts all the controls at your fingertips whilst the Integrated Control Panel gives you all the key information at a glance and the AFS Pro 700 screen integrates the data from the tractor and implement.





### **POWERFUL EFFICIENCY UNDER THE HOOD**

The powerful 8.7 litre, 6-cylinder turbocharged and intercooled engine features SCR technology to meet EU Stage IIIB emissions regulations and deliver extra power and fuel efficiency with an unbeatable rpm performance and no power loss. A variable turbo charger delivers optimal performance on the 370hp(CV) model at the top of the range.



### **POWERFUL IN THE FIELD AND ON THE ROAD**

You can choose the proven Full Powershift Transmission with Automatic Productivity Management (APM) which automatically reduces engine speed to match power requirements, or you can opt for the Continuously Variable Transmission which makes the Magnum CVX the perfect all-rounder on the road and in the field, driving automatically from 0 to 50kph.



### **NEVER RUN OUT OF POWER**

The fully integrated front linkage has a lift capacity of up to 5 tons, and you can add an optional front PTO. If you need to operate big implements with your Magnum which require extra hydraulic power, you can opt for the twin-flow 282 litre pump. You can have up to 6 electro-hydraulic remote valves to enable a high number of functions without the need to reconnect hydraulic hoses.



### **MAGNUM MEANS VERSATILITY**

The heavy-duty PTO meets the greater requirements of the higher engine power. The 1000 PTO speed is achieved at 1,803rpm, where there is a huge power growth. A 540/1000rpm dual speed PTO is also available. In addition, you can choose from a wide range of ballasting options and a suspended heavy-duty front axle, as well as tyres up to 2.5m high.



### **AFS: MAXIMISE RETURNS WITH PRECISION FARMING**

The optional integrated AFS Pro 700 monitor gives you all the key data, from fuel consumption to engine and PTO power, at a glance. It also enables you to adjust easily and quickly the settings for different implements and working conditions, as well as controlling ISOBUS compatible implements. To maximise your efficiency, you can choose from a full range of guidance solutions, offering accuracy levels of up to 2.5cm.





Everything is easily adjustable to customize your own workstation



Supreme comfort offered by red leather seat with positive response, heated cushion and automatic seat suspension

# YOUR COMFORT

If you were to describe the cab of your dreams, we have no doubt that the Magnum Surveyor cab would fit the bill to perfection. As you step into the cab, prepare to be delighted: the luxurious feel of the quality leather upholstery, the ergonomic suspended seat, the controls strategically placed within easy reach... everything in the Surveyor cab is designed to give you the best feeling of supreme comfort behind the wheel. Put yourself first; choose the Magnum.

## A WORKSTATION TAILORED TO THE OPERATOR

Every element – steering wheel, seat and Multicontroller armrest – is easily adjustable so you can customize your workstation perfectly to give you the best and healthiest driving position.

## THE IDEAL WORKING ENVIRONMENT

The exceptionally low noise levels of just 68dB(A) and automatic air conditioning create your ideal environment and internal climate. The carpeted floor in the optional Luxury Cab adds to the feeling of comfort and further reduces noise levels. Days at the wheel of your Magnum will fly by as you get more work done than ever.

## SUPREME COMFORT

The optional leather seat with positive response and heated cushion give you the luxurious ride you would only expect from a premium saloon car. The automatic seat suspension reacts to the individual driver's weight to provide an optimally smooth ride on a rough drive. The passenger will also ride in comfort on a seat, also available in red leather, featuring a backrest and homologated safety belt.

# SUPREME COMFORT IN FULL CONTROL

## **SMOOTH RIDE**

The Magnum has pulled out all the stops with its full suspension package; suspension on the seat, cab, axle, and front and rear linkage is adjusted to perfection. When you sit at the wheel of a Magnum, you will experience the smoothest ride of your life.

## **TYRES TO THE GROUND**

The Magnum's front axle suspension keeps all your wheels on the ground, so that you enjoy the best stability, traction and control over rough terrain. Whether you are riding over uneven ground or at high speed, this simple design ensures you don't have a bouncing and jarring ride and delivers all the power to the ground. It also has the added advantage of requiring less maintenance than other systems because of its solid construction. With this suspension, the Magnum will take you wherever you need to go, comfortably and safely.

## **PANORAMIC VIEW, 100% VISIBILITY, ROUND THE CLOCK**

The cab's panoramic view provides excellent visibility all round, while the bonnet has been designed to guarantee a perfect view of all your implements. For those days when you need to carry on working after dark, you can turn on the bright HID lights that will illuminate perfectly 360 degrees around the tractor, giving you perfect visibility of your implements. You can go out and make any necessary adjustments or fuel up in clear light conditions – everything you need to do to get the job done.







Light up the darkest night with the HID lightning package



Full stability, a smooth ride and full power to the ground thanks to the front suspension



Having the most important functions at your fingertips with the Intuitive Control Panel



All information on the tractor's performance at a glance



Multicontroller Armrest: Same Operator Environment from 100 to 620HP





# INTUITIVE OPERATION PUTS YOU IN CONTROL

We know how busy you and your operators are, so we make sure you don't waste time getting used to a new control layout when you switch tractors: in every Case IH tractor, from a Maxxum to a Quadtrac, you will find the same control layout. The moment you sit in the cab, you know where everything is; you have all the information you need at a glance on the A-Post display and all the controls at your fingertips on the Multicontroller armrest. Comfort and control – no time wasting.

## **CONTROL STATION**

Multicontroller featuring drive logic, the intuitive control panel (ICP) and the AFS Pro 700™ touch screen monitor integrate all the tractor's functions into the armrest, putting all the controls at your fingertips: speed selection, direction changes, throttle, Headland Management Control, electronic remote valves, rear hitch controls, PTO, joystick... everything is in one place and within easy reach. Operation is so intuitive that a novice driver would have no problem working at his best from day one.

## **OPTIMISE YOUR PERFORMANCE**

The optional AFS Pro 700 gives you all the information you need on the tractor's performance, from fuel consumption to engine and PTO power, at a glance. The touch screen interface is easy to use and you can quickly adjust the settings for different implements and working conditions. To make it even more intuitive, you can customise the different screens to display the information that is most important to you.

## **EVERYTHING UNDER CONTROL**

The performance instrumentation cluster on the A-Pillar tells you everything you need to know about the tractor – engine speed, transmission target speeds, actual ground speed, brake position and drive direction, everything is clearly displayed in one place so you have everything under control.

# POWERFUL EFFICIENCY UNDER THE HOOD

At the wheel of a Magnum tractor you enjoy the full benefit of the high efficiency, low emissions engine technology knowhow of our in-house engine specialist, FPT Industrial. They bring to bear the experience developed on thousands of engines running around the world in on- and off-road applications to the development and production of engines that meet the specific requirements of agricultural tractors.

All Magnum models meet Euro IIIB emissions regulations with our Selective Catalytic Reduction (SCR) technology. With the SCR system developed by FPT Industrial for Case IH, Magnum tractors develop more horsepower with less fuel, are more responsive and reliable – all with the extremely low emissions levels of Euro IIIB.

## POWERFUL ON ALL TERRAINS

The Magnum's 8.7 litre, 6 cylinder common rail turbocharged intercooled engines are designed to deliver massive power efficiently. Electronic engine management gives you the power you need when you need it – with frugal fuel consumption: 10% power growth at 1,800 engine rpm plus, if under load engine rpm drops, Engine Power Management unleashes up to 37 more horsepower, giving you the boost you need to deal with the most difficult conditions.

## POWER BOOST TO MATCH THE CONDITIONS

The Magnum 370 features a Variable Turbocharger, which adjusts the aspect ratio, optimising it according to the changing conditions. So it is possible to have a power boost at low rates as circumstances demand.

## POWERFUL FUEL EFFICIENCY

In addition to the fuel efficiency deriving from our SCR technology, the Magnum's best-in-class 1,806Nm engine torque results in further fuel economy, as the engine delivers more power on lower engine rpms – and optimal transmission of power is guaranteed.

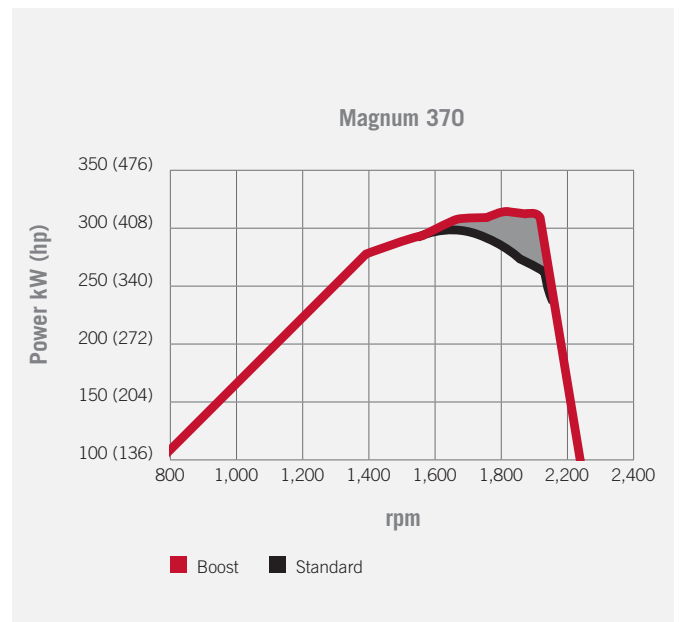
## ECODRIVE™ - THE INTUITIVE WAY TO SAVE FUEL

Using the ECO lever the driver can fix a certain minimum and maximum engine speed to match the engine performance and efficiency to each job. Then the Magnum CVX watches for optimum fuel efficiency.

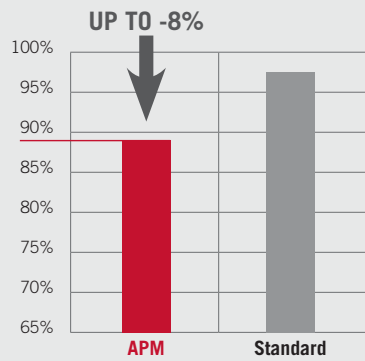




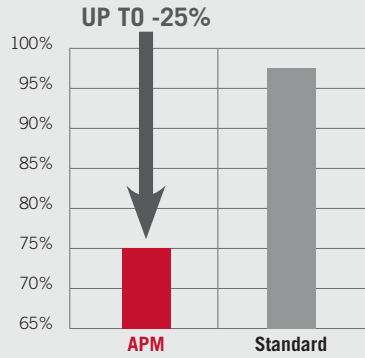
Perfect interaction of engine and transmission - FPT Industrial in-house engines



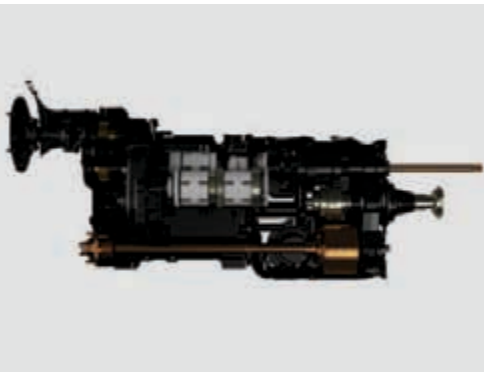
35HP additional with Power Boost



Reduced fuel consumption by using the Auto Road function



Auto Field: perfect fit for your productivity



Full Powershift Transmission brings the power to the field





# FULL POWERSHIFT TRANSMISSION: TRANSMIT EFFICIENT POWER TO YOUR FIELDS

The Magnum is the tractor you want in your farming operation, with its proven 19-speed Full Powershift Transmission delivering a smooth power transfer in your fields and on the road. It does this with exceptional fuel efficiency, as the Diesel Saver™ Automatic Productivity Management (APM) system automatically adjusts gear setting and engine speed to the most fuel-efficient mode.

## **RAW PULLING POWER**

The integrated automatic shift of the Magnum's Full Powershift Transmission ensures you shift seamlessly from 0 to 40 or 50kph. When you have speciality jobs to do at slow speed, you can choose the optional creeper transmission with 5 forward and 2 reverse speeds.

## **OPTIMAL EFFICIENCY – AUTOMATICALLY**

On a Magnum tractor, you can keep your focus on your work while the APM takes care of optimising efficiency by shifting up and throttling back automatically to minimise fuel consumption. You can select Road or Field mode, so that the APM will continuously optimise the tractor's efficiency according to the conditions. When working in the field, you can set a fixed speed at up to 23kph with the throttle lever and Auto Field function will shift up or down and change engine speed, continuously adjusting according to the job and terrain. On the road, you can set a variable forward speed within a range (1.2kph to 40kph or 1.2kph to 50kph depending on the transmission) and the Auto Road function will adjust engine speed and change gears to maintain the best fuel efficiency at all times.

# FULL POWER TO THE GROUND

Step into the world of supreme efficiency with the Magnum's CVX continuously variable transmission. Available on all models of the range and standard on the Magnum 370, this 50kph transmission with active hold control and 4 mechanical ranges delivers optimal efficiency while you focus on your work.

## **SUPREME FUEL EFFICIENCY AT ALL TIMES**

The Magnum CVX is designed to operate with extreme fuel efficiency in all applications and conditions, and to ensure you never waste fuel. On the road, it reaches 50kph at low rpm, so you save fuel for every tonne you transport. In the field, in specialist applications at low speed, the Magnum CVX ensures an economical performance and the Automatic Product Management (APM) automatically adjusts engine speed to the power requirements.

## **FULL POWER TRANSFER**

The Magnum CVX's transmission transfers power from the engine to the transmission mechanically, ensuring the full power is transferred to the ground without dispersion.

## **EFFICIENT ON SLOPES**

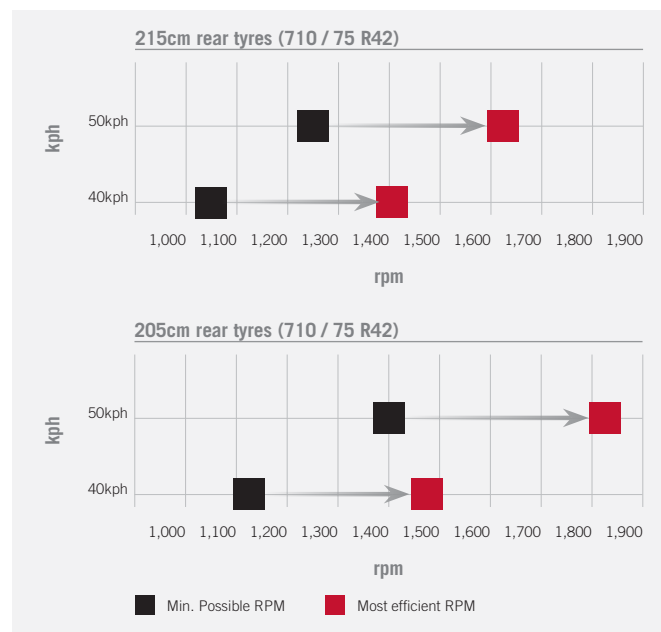
The Magnum CVX makes it easy for you to work in all conditions, even on steep slopes, with the Active Hold Control, standard on all CVX models, which prevents the tractor from rolling back when you stop on a hill and enables you to pull away again without having to use clutch or brakes.







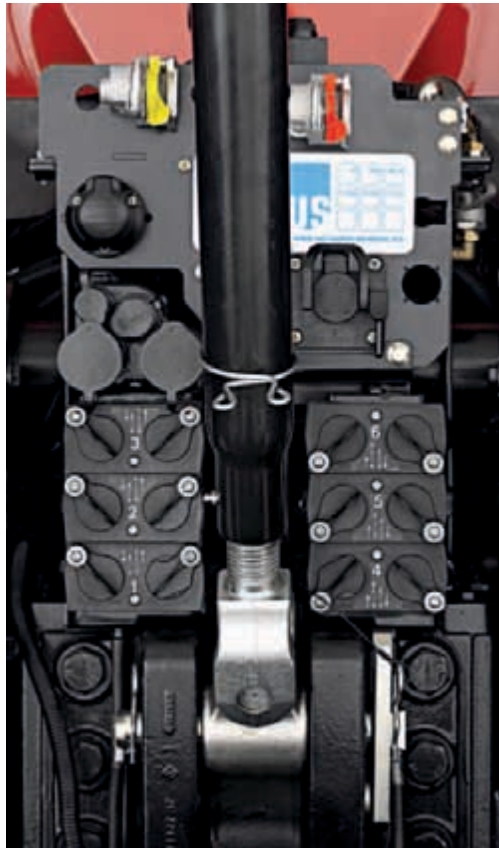
CVX transmission - stepless drive between 0-50kph



Outstanding performance at 50kph/h



Seamlessly integrated Front Linkage with a lifting power of 5,000kg



No limits of operation with 6 electronic-hydraulic rear remotes



Control your remote valves by the AFS Pro 700 Monitor



Easy and safe operation with the external controls





# NEVER RUN OUT OF POWER

The hydraulic system is designed to give you all the lifting power you need, optimising fuel consumption. Powered by a standard pump that delivers 166 litres per minute, a high flow 221l/min pump or, for the biggest implements, a 282l/min twin flow with two variable displacement pumps, the Magnum's hydraulics have all the lift power you may need. A load sensing power beyond system is standard, providing the possibility to operate additional auxiliary functions. The automatic flow compensation reduces fuel consumption, so you get the full benefit of the Magnum's lift power and economy.

## **EFFICIENT VERSATILITY**

The Magnum's advanced hydraulics system with Pressure Flow Compensating (PFC) design has 6 electro-hydraulic remote valves, enabling you to operate in a wide variety of applications without having to stop and reconnect hydraulic hoses. Made at our plant in Racine, USA, the remote valves deliver the power you need with 140l/min per valve.

## **EASY OPERATION**

The remote valves are easy to operate, by turning a knob or via the display's touch screen. From the driver's seat you can set six function remote lever controls – for orbital motor, loader, full function, no float and lock – and with the programmable valve timer you can set repeatable engagement times without leaving your place in the cab. A power beyond supply is available for hydraulic power supply, return, load sense and case drain, for easy and efficient operation of suitable implements. A power beyond can also be factory fitted so that you can control it from the Multicontroller armrest.

## **HEAVY-DUTY HITCH AND DRAWBAR FOR BIG IMPLEMENTS**

The Magnum's versatility is further extended by the heavy-duty hitch and drawbar with standard electronic draft control, which provide up to 10,200kg max. lift capacity, so that you can also work with wider and heavier implements. You can adjust the maximum slip according to your application with Slip Limit Control and minimise bouncing during transport with a mounted implement with Hitch Ride Control.

## **INTEGRATED FRONT LINKAGE**

You can give a further boost to your productivity with the fully integrated front linkage, which delivers a power lift up to 5,000kg and offers a PTO option and external hydraulic couplers to enable you to connect a front implement with separate hydraulic components.

# PTO MASSIVE POWER AT LOW RPM

The higher engine power of the new Magnum comes with a PTO to match, as the new heavy duty 1000rpm PTO delivers its best performance on full engine power. Alternatively, you can opt for the 540/1000rpm with interchangeable shafts.

## QUIETLY POWERFUL

The rear PTO delivers a massive power growth at 1,803 engine rpm, which cuts down fuel consumption and noise. In addition, the positioning of the PTO clutch on the top shaft results in even quieter operation. Both the 1000 and 540/1000 PTOs will easily run any implement you may be pulling. The hydraulically activated and electronically controlled system allows for smooth modulation and protects the components.

## EASILY EFFICIENT OPERATION

When you need to change implements, the PTO shaft is easy to rotate for easy coupling. With PTO Management you can make sure that the PTO and implements run most efficiently by selecting 'Auto' or, if you are running heavy implements such as wood choppers or large balers, 'Heavy' mode.

## OUTSTANDING FRONT PTO

The 1000rpm front PTO runs on an equally excellent engine speed of 1,803rpm.







# YOUR MAGNUM - JUST THE WAY YOU WANT IT

The Magnum delivers a massive performance: you want to be sure you have the right driveline that will bring all this power to the ground in your field. You can specify it just as you want it – tyres, ballasting, axles – all factory fitted.

## **TYRES**

You can choose from a wide offering of tyres to select the ones that will provide the best traction and least slippage in your farming operation. You can choose tyres up to 2.15 metres wide to transfer the Magnum's massive power to the ground.

## **BALLASTING**

Select just the right ballasting package for your Magnum, and consider the rear wheel ballast with integrated wheel weights, which brings even more power to the ground.

## **FRONT AXLE**

All models are available with an axle manufactured at our plant in Racine, USA, which has a significantly higher suspended load capacity and further reduces cab bounce, improving the driver's comfort. It also delivers better traction in fieldwork and better handling performance in high speed operation.

## **REAR AXLE**

All Magnum models feature a standard 98 inch bar axle, but different axle diameters are available to match the varied needs of different models. The clutch capacity of the Park brake and 4WD have been increased to match the higher power and heavier weight of the new Magnum models.



Transfer massive power to the ground



Wide offering of Tyres and Ballasting packages



Unbeatable Turning Radius of 4.8m

# MAXIMISE RETURNS WITH PRECISION FARMING

Case IH Advanced Farming Systems (AFS™) have been at the forefront of precision farming for more than a decade, giving farmers the ability to control the entire crop production cycle. Case IH AFS™ tools include everything you need to achieve repeatable accuracy down to 2.5cm, reduce overlaps and cut input costs – and maximise your yield potential.



#### ADVANCED TRACTOR CONTROL

If it's an interactive tractor set-up and control you want, look no further than the AFS Pro 700 touch-screen, available as an option on your new Magnum CVX Series: monitor fuel usage and work rates, connect an external camera and keep harvest records. The AFS Pro 700 touch-screen is interactive, fully customisable and portable between units of your Case IH fleet.



#### TRACTOR GUIDANCE SOLUTIONS

With Case IH GPS-based guidance solutions you can have the highest precision in every crop condition, with accuracy down to 2.5cm.



#### AFS™ FARM MANAGEMENT SOFTWARE

Many variables apply in farming; it is important to understand what is happening and why. It's time to manage your farming operation on a new level by making decisions based on facts. With the AFS™ Farm Management software package from Case IH you can see the tasks performed field by field, the work rates achieved, the fuel used during each task and most importantly your yield. Plan for the future today.



#### AFS CONNECT™ TELEMATICS

The Case IH AFS Connect™ telematics system allows you to monitor and manage your Magnum CVX from the farm office on the farm computer to observe how it is performing, through the use of precision GPS signals and wireless data networks. Analysing the data it provides helps to improve logistics, minimise fuel consumption and maximise performance.









Full ISOBUS compatibility



A variety of Vehicle Guidance Solutions





# INTERACTIVE INTEGRATED INTUITIVE

Case IH Advanced Farming Systems are within easy reach on the AFS Pro 700 touchscreen monitor integrated into the armrest. In addition to complete automation of all the tractor's key functions, including the sequencing of up to 30 headland functions, the AFS screen also keeps track of the work done, fuel consumption, operating costs and much more. Here are just a few examples:

#### KEY FEATURES INCLUDE:

- Performance monitoring: record overall performance, performance for each day and performance for each job. All data from the AFS monitors can be saved to a USB stick for analysis back at the office if required.
- Vehicle settings: a series of AFS screens allow you to fine-tune the tractor's settings. It is easy to set the flow rates and timers for each of the remote valves, giving you an excellent overview of the whole setup.
- Hitch notebook: this screen allows you to save the settings for each implement according to the working conditions. Next time you attach the plough, for example, you just need to open the notebook, choose the right set-up and away you go.
- Full ISOBUS compatibility: hook up any compatible machine to display the user interface for the machine on the AFS monitor. Now you are able to operate the machine easily and interactively by pressing the control buttons on the AFS monitor screen. You do not need a separate control or cables inside the cab.
- Video input: you can display a live video feed from a camera positioned at the rear end of a loader wagon or baler. This means you can monitor what is going on behind you without having to take your eyes off the work area in front of you.
- A variety of vehicle guidance solutions are available to match your needs for precision. A fully automated and integrated solution, which is factory installed, gives you the pinpoint accuracy you need for high value crops. However, a simple plug and play lightbar steering kit can also be installed.





# DON'T WASTE PRECIOUS TIME AND MONEY ON SERVICE

## **KEEP DRIVING!**

When there's a busy day ahead of you, the last thing you want is to waste time on servicing your tractor. When you run a Magnum tractor, daily checks and regular maintenance are easy and quick. For example, the radiator package is easy to clean and the air filter is conveniently located for quick inspection. Just make your quick checks and drive off!

## **MAXIMUM UPTIME, MINIMUM SERVICE COSTS**

The Magnum with Efficient Power technology keeps you working, reducing maintenance and costly downtime to a minimum. The long, 600 hour service intervals are just one of the many features that drive down your maintenance and service costs.



### **QUICK AND EASY CLEANING**

Radiators can be folded out for cleaning purposes.



### **EASY ACCESS TO SERVICE POINTS**

The one-piece engine hood is lifted by a gas-filled piston and can be set in two positions (45 and 90 degrees), even with a mounted front implement.



### **EASY TO FILL UP**

The fuel and AdBlue tank are accessible from the ground level.





# SYSTEM SOLUTIONS

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 and financing the right machine, will ensure they deliver what you need when you need it, and will then continue to back you and your equipment with the service and spare parts supply you'd expect from a name as trusted as Case IH.



#### ALL THE PARTS AND SERVICE TO KEEP YOUR EQUIPMENT RUNNING

Find the full line of Case IH parts and components at your local dealer. Plus full-service maintenance programmes and industry-leading warranties. It's expertise applied by skilled, factory-trained service professionals committed to providing you maximum uptime, season after season.



#### AROUND THE COUNTRY

Case IH Max Service is a customer support service that provides 24-hour, seven-day-a-week access to the people, products and parts support needed to keep your operation running during the times most critical to your profitability. Max Service backs up your dealer with every resource available to Case IH, to help maximise uptime and productivity of Case IH equipment and increase your return on investment through access to product experts and 24/7 emergency breakdown assistance.



#### OFFERING FINANCIAL SOLUTIONS FOR MORE THAN 50 YEARS

CNH Industrial Capital's extensive experience in the agricultural industry has created a deep understanding of your unique needs. Competitive equipment financing with flexible payments can reduce upfront payments with operating and finance leases. For other needs, choose from credit cards specific to the agricultural industry. We can even help you finance crop-input products or land rental. There are financing options that fit the way you farm. CNH Industrial Capital helps you find them.



VISIT OUR FANSHOP AT  
[WWW.CASEIH.COM](http://WWW.CASEIH.COM)

MODELS	MAGNUM 260 FPS	MAGNUM 290 FPS	MAGNUM 315 FPS	MAGNUM 340 FPS
<b>ENGINE</b>	FPT	FPT	FPT	FPT
Number of cylinders	6	6	6	6
Type	Common Rail Diesel engine with 24 valves, turbocharged and intercooled			
Emission level	EURO IIB			
Capacity (cm <sup>3</sup> )	8,700	8,700	8,700	8,700
Rated power ECE R120 <sup>3)</sup> (kW/hp(CV))	189 / 257	209 / 284	229 / 311	250 / 340
Rated power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	216 / 294	235 / 320	255 / 347	276 / 375
... at engine speed (rpm)	2,000	2,000	2,000	2,000
Maximum power ECE R120 <sup>3)</sup> (kW/hp(CV))	213 / 289	233 / 317	255 / 347	275 / 374
Maximum power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	219 / 298	241 / 328	263 / 357	286 / 389
... at engine speed (rpm)	1,800	1,800	1,800	1,800
Maximum torque (Nm/rpm)	1,267 / 1,400-1,600	1,397 / 1,400-1,600	1,531 / 1,400-1,600	1,671 / 1,400-1,600
Maximum torque Power Management (Nm/rpm)	1,267 / 1,400-1,600	1,397 / 1,400-1,600	1,531 / 1,400-1,600	1,671 / 1,400-1,600
Torque rise Standard / Power Management (%)	40 / 23	40 / 25	40 / 26	40 / 27
Fuel tank, diesel / urea (litres)	635 / 89.4	635 / 89.4	635 / 89.4	635 / 89.4
<b>TRANSMISSION</b>				
Type	Full Powershift with Powershuttle			
Full Powershift 19x4 40kp/h ECO or 50kp/h	●	●	●	●
Full Powershift 23x6 with creeper 40kp/h	○	○	○	○
Differential lock rear axle	Multi-plate with automatic functions			
<b>POWER TAKE OFF</b>				
Type	Electro-hydraulic with Auto PTO control available			
PTO 1,000 Speed @ 1,803rpm	●	●	●	●
PTO 540 / 1,000 Speed @ 1,803rpm	○	○	○	○
Shaft type Standard PTO	1 3/4" 20 splines			
Shaft type Optional PTO	1 3/4" 20 splines (1,000rpm) or 1 3/8" 21 splines (1,000rpm) or 1 3/8" 6 splines (540rpm)			
<b>FRONT HITCH AND PTO</b>				
Front PTO 1,000 Speed @ 1804rpm	○	○	○	○
Front hitch with 5,000kg lift capacity	○	○	○	○
<b>FOUR-WHEEL DRIVE AND STEERING (DRIVELINE)</b>				
Type	Differential lock as standard, front axle suspension optional			
Front axle suspension	○	○	○	○
Steering angle (°)	55	55	55	55
Min.turning radius <sup>2)</sup> track setting 18mm (m)	5.3	5.3	5.3	5.3
<b>HYDRAULIC SYSTEM</b>				
System type	Variable displacement, pressure flow compensated pump			
Max. pump flow rate Standard / High Flow / Twin Flow (l/min)	166 / 221 / 282	166 / 221 / 282	221 / 282	221 / 282
System pressure (bar)	210	210	210	210
Control type	Electronic Hitch Control (EHC) with cushion ride control, hydraulic top link, automatic stabilizers optional			
Max. lift capacity (kg)	9,130	9,130	10,200	10,200
Max. number of remote valves	4 standard, 5th and 6th remote optional; power beyond or low pressure return connection with individual remote valve timer and flow controls			
Remote valve timer control	0 - 30 seconds on all models			
Category type	Cat III / IVN optional	Cat III / IVN optional	Cat III / IVN optional	Cat IVN / III optional
Slip control	○	○	○	○

\*To comply with legislation and specification in your country

<sup>1)</sup>Power Management is only available during mobile PTO and haulage applications

<sup>2)</sup>With standard tyres

<sup>3)</sup>ECE R120 correspond to ISO 14396 and 97/68/EC or 2000/25/EC

● Standard ○ Optional



MODELS	MAGNUM 260 CVX	MAGNUM 290 CVX	MAGNUM 315 CVX	MAGNUM 340 CVX	MAGNUM 370 CVX
<b>ENGINE</b>	FPT	FPT	FPT	FPT	FPT
Number of cylinders	6	6	6	6	6
Type	Common Rail Diesel engine with 24 valves, turbocharged and intercooled				
Emission level	EURO IIIB				
Capacity (cm <sup>3</sup> )	8,700	8,700	8,700	8,700	8,700
Rated power ECE R120 <sup>3)</sup> (kW/hp(CV))	189 / 257	209 / 284	229 / 311	250 / 340	270 / 367
Rated power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	216 / 294	235 / 320	255 / 347	276 / 375	296 / 403
... at engine speed (rpm)	2,000	2,000	2,000	2,000	2,000
Maximum power ECE R120 <sup>3)</sup> (kW/hp(CV))	213 / 289	233 / 317	255 / 347	275 / 374	297 / 404
Maximum power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	219 / 298	241 / 328	263 / 357	286 / 389	308 / 419
... at engine speed (rpm)	1,800	1,800	1,800	1,800	1,800
Maximum torque (Nm/rpm)	1,267 / 1,400-1,600	1,397 / 1,400-1,600	1,531 / 1,400-1,600	1,671 / 1,400-1,600	1,806 / 1,400-1,600
Maximum torque Power Management (Nm/rpm)	1,267 / 1,400-1,600	1,397 / 1,400-1,600	1,531 / 1,400-1,600	1,671 / 1,400-1,600	1,806 / 1,400-1,600
Torque rise Standard / Power Management (%)	40 / 23	40 / 25	40 / 26	40 / 27	40 / 28
Fuel tank, diesel / urea (litres)	575 / 89.4	575 / 89.4	575 / 89.4	575 / 89.4	575 / 89.4
<b>TRANSMISSION</b>					
Type	Continous Variable Transmission with Automatic Productivity Management				
CVX 50kp/h ECO	●	●	●	●	●
Differential lock rear axle	Multi-plate with automatic functions				
<b>POWER TAKE OFF</b>					
Type	Electro-hydraulic with Auto PTO control available				
PTO 1,000 Speed @ 1,803rpm	●	●	●	●	●
PTO 540 / 1,000 Speed @ 1,592 / 1,803rpm	○	○	○	○	○
Shaft type Standard PTO	1 3/4" 20 splines				
Shaft type Optional PTO	1 3/4" 20 splines (1,000rpm) or 1 3/8" 21 splines (1,000rpm) or 1 3/8" 6 splines (540rpm)				
<b>FRONT HITCH AND PTO</b>					
Front PTO 1,000 Speed @ 1804rpm	○	○	○	○	○
Front hitch with 5,000kg lift capacity	●	●	●	●	●
<b>FOUR-WHEEL DRIVE AND STEERING (DRIVELINE)</b>					
Type	Differential lock as standard, front axle suspension optional				
Front axle suspension	○	○	○	○	○
Steering angle (°)	55	55	55	55	55
Min.turning radius <sup>2)</sup> track setting 18mm (m)	4.8	5.3	5.3	5.3	5.3
<b>HYDRAULIC SYSTEM</b>					
System type	Variable displacement, pressure flow compensated pump				
Max. pump flow rate Standard / High Flow / Twin Flow (l/min)	166 / 221 / 282	166 / 221 / 282	221 / 282	221 / 282	221 / 282
System pressure (bar)	210	210	210	210	210
Control type	Electronic Hitch Control (EHC) with cushion ride control, hydraulic top link, automatic stabilizers optional				
Max. lift capacity (kg)	9,130	9,130	10,200	10,200	10,580
Max. number of remote valves	4 standard, 5th and 6 th remote optional; power beyond or low pressure return connection with individual remote valve timer and flow controls				
Remote valve timer control	0 - 30 seconds on all models				
Category type	Cat III / IVN optional	Cat III / IVN optional	Cat III / IVN optional	Cat IVN / III optional	Cat IVN
Slip control	○	○	○	○	○

\*To comply with legislation and specification in your country

<sup>1)</sup>Power Management is only available during mobile PTO and haulage applications

<sup>2)</sup>With standard tyres

<sup>3)</sup>ECE R120 correspond to ISO 14396 and 97/68/EC or 2000/25/EC

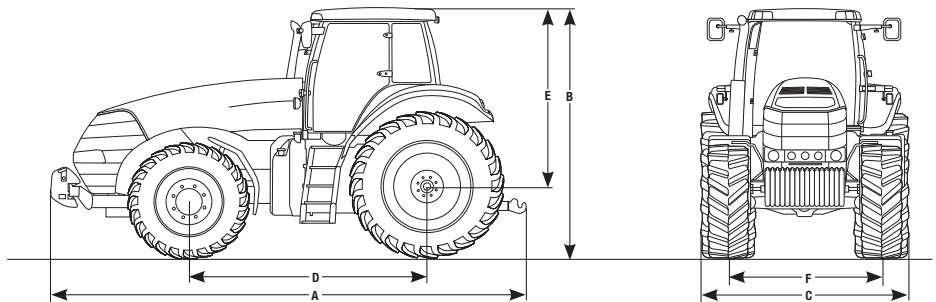
● Standard ○ Optional

MODELS	MAGNUM 260 FPS	MAGNUM 290 FPS	MAGNUM 315 FPS	MAGNUM 340 FPS
<b>WEIGHT</b>				
Approximate shipping weight std. / suspended front axle (kg)	10,830 / 11,290	10,910 / 11,415	10,910 / 11,415	11,730 / 12,190
Permissible total weight Cl. 4.75 / Class 5 front axle (kg)	17,500 / -	17,530 / 17,850	17,530 / 17,850	- / 18,000
Max. permissible weight front Standard / Option (kg)	6,030 / -	6,030 / 6,350	6,030 / 6,350	- / 7,760
Max. permissible weight rear (kg)	11,500	11,500	11,500	11,500
<b>DIMENSIONS</b>				
A: Total length only carrier / front hitch / front weights (mm)	6,015 / 6,295 / 6,225	6,015 / 6,295 / 6,225	6,015 / 6,295 / 6,225	6,015 / 6,295 / 6,225
B: Total height (mm)	3,375	3,375	3,375	3,375
C: Total width (across rear fenders with 150mm extension) (mm)	2,550	2,550	2,550	2,550
D: Wheel base (mm)	3,055	3,055	3,055	3,055
E: Height at centre of rear axle, highest point (mm)	2,488	2,488	2,488	2,488
F: Track setting front (mm)	1,560 - 2,256	1,560 - 2,256	1,560 - 2,256	1,560 - 2,256
F: Track setting rear (mm)	1,470 - 2,294	1,470 - 2,294	1,470 - 2,294	1,470 - 2,294
<b>STANDARD TYRES*</b>				
Front	600 / 70 R30	600 / 70 R30	600 / 70 R30	600 / 70 R30
Rear	710 / 70 R42	710 / 70 R42	710 / 70 R42	710 / 70 R42

MODELS	MAGNUM 260 CVX	MAGNUM 290 CVX	MAGNUM 315 CVX	MAGNUM 340 CVX	MAGNUM 370 CVX
<b>WEIGHT</b>					
Approximate shipping weight std. / suspended front axle (kg)	11,490 / 11,945	11,570 / 12,025	11,490 / 11,945	11,730 / 12,190	12,395 / 12,850
Permissible total weight Cl. 4.75 / Class 5 front axle (kg)	17,530 / -	17,530 / 17,850	17,530 / 17,850	- / 18,000	- / 18,000
Max. permissible weight front Standard / Option (kg)	6,030 / -	6,030 / 6,350	6,030 / 6,350	- / 7,760	- / 7,760
Max. permissible weight rear (kg)	11,500	11,500	11,500	11,500	11,500
<b>DIMENSIONS</b>					
A: Total length only carrier / front hitch / front weights (mm)	6,070 / 6,345 / 6,275	6,070 / 6,345 / 6,275	6,070 / 6,345 / 6,275	6,070 / 6,345 / 6,275	6,299 / 6,575 / 6,505
B: Total height (mm)	3,375	3,375	3,375	3,375	3,375
C: Total width (across rear fenders with 150mm extension) (mm)	2,550	2,550	2,550	2,550	2,550
D: Wheel base (mm)	3,105	3,105	3,105	3,105	3,155
E: Height at centre of rear axle, highest point (mm)	2,488	2,488	2,488	2,488	2,488
F: Track setting front (mm)	1,560 - 2,256	1,560 - 2,256	1,560 - 2,256	1,560 - 2,256	1,560 - 2,256
F: Track setting rear (mm)	1,470 - 2,294	1,470 - 2,294	1,470 - 2,294	1,470 - 2,294	1,470 - 2,294
<b>STANDARD TYRES*</b>					
Front	600 / 70 R30	600 / 70 R30	600 / 70 R30	600 / 70 R30	600 / 70 R30
Rear	710 / 70 R42	710 / 70 R42	710 / 70 R42	710 / 70 R42	710 / 70 R42

**!** 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.

CNH Industrial UK Ltd., Cranes Farm Road, Basildon, Essex SS14 3AD  
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# RACINE HOME OF THE MAGNUM

The Case IH manufacturing plant in Racine, Wisconsin, USA, is the home of the Magnum tractors.

## IN THE BEGINNING...

Jerome Increase Case founded the Racine Threshing Machine Works in 1842 and in 1869 produced the first steam engine tractor, the Old No.1. From these early beginnings, Case IH has gone on to play a major role in shaping agriculture. As the inventor of the power take-off and the pioneer of the continuously variable transmission, Case IH has continuously raised the bar on productivity and reliability in farming.

## THE HERITAGE LIVES ON

The 640,200 square feet (595,000 square metres) plant is home to the production of the Magnum range and manufactures components for other Case IH products, such as transmissions for the Axial-Flow Combines, Cotton Express Pickers, axles and valves, powershift and directional control valves for agricultural applications.

The Racine manufacturing operations, which employ 500 people, are run according to lean manufacturing principles that aim to maximise efficiency and quality whilst minimising waste. The state-of-the-art assembly line features ergonomic handling systems, wash and robotic paint systems and computerised diagnostic testing equipment to ensure the highest quality and reliability levels.



