



# MAGNUM

298 - 389 HP ENGINE MAX. POWER – POWER MANAGEMENT  
257 - 340 HP ENGINE RATED POWER



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A red Case IH tractor is shown from a side-rear perspective, pulling a tillage implement through a field of harvested crops. The tractor's large rear tire is prominent on the left. The implement has a smaller front wheel and is actively turning over dark soil. The background is filled with dry, golden-brown crop residue.

## HELPING FARMERS MEET THE WORLD'S DEMANDS.

The world keeps demanding more from your farm. More food. More grain. More fuel. And all from less available land. Case IH helps you meet these demands with innovative technologies created from listening to what farmers want. By offering equipment that delivers unmatched power and performance, built with the understanding that you need maximum uptime under all conditions – and an operator environment that helps you through it. The Magnum Series tractors let you farm how you see fit and make sure you'll be ready for the challenges ahead.

**Engine Power Management** delivers up to an additional 37 hp, giving up to 14% additional performance.

The hydraulic system gives you outstanding power and precise control, with up to 274 litres per minute flow capacity and up to 10,200 kg lift capacity.

## **POWER AND PRODUCTIVITY IN THE TOUGHEST PULLING CONDITIONS.**

You don't have to sacrifice performance or settle for less fuel efficiency to get more power. With a tractor like the Case IH Magnum, you can answer the demands of today's farming environment. That's because these tractors have been engineered with knowledge gained by Case IH employees and dealers talking to farmers in the field. Working with them to find unique solutions to increase horsepower, keep you in the field as long as you need and even give you a more comfortable, intuitive cab. Everything Case IH has learned from farmers went into the new Magnum tractors.



New optional front linkage with up to 5,000 kg lift capacity and front PTO option.

Industry-leading turning radius supplies you with precise, tight turns from 4.8 m.



## PRECISION POWER THAT PUTS YOU IN TOTAL CONTROL.

Nothing performs quite like a Case IH Magnum tractor. It gives you versatility and adaptability in the field with freedom to adjust it for any number of applications on your farm. Advanced, efficient hydraulics and a solid front-axle suspension generate consistent dependability. Powered by a proven engine that's also in some of our other products, the Magnum just needs you to sit at its wheel to increase productivity.



### CARED FOR BY CASE IH EXPERTS FROM CONCEPT TO CALIBRATION.

The engines in Magnum tractors come from Case IH sister company FPT. And we engineer, design and test them at our Burr Ridge, Illinois, facility.

It's the same place where our high-horsepower tractors are engineered, and it **ensures we maintain an exceptional standard of durability and reliability.** FPT engines also mean that Case IH dealer service technicians are expertly trained to maintain your engine – at your local Case IH dealer.



### ENGINE

The same engine you'll find in our heavy-duty tractors and **industry-leading combines.** The engine made for Case IH by sister company Fiat Powertrain Technologies offers best-in-class power and Power Boost for PTO, hydraulic or transport needs. Its proven durability and effectiveness is why FPT manufactures 3 million engines a year. Case IH trusts them so much they're also featured in Steiger® tractors and Axial-Flow® combines. It gives you extra horsepower when you need it and doesn't compromise performance – or power to the ground. And it's in every Magnum tractor.



### SOLID EFFICIENCY. AUTOSHIFTS.

For raw pulling efficiency, it's tough to beat the proven **Magnum full powershift transmission** with its integrated automatic shift. It provides seamless smooth shifting from start to 40 kph. For slow-speed specialty situations, an optional shift through creeper transmission with 5 forward and 2 reverse speeds is available on all models.



### HYDRAULICS + PTO.

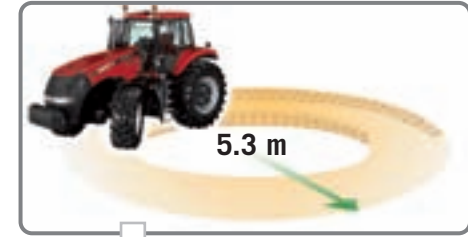
**Heavy-duty hitch and drawbar** with standard electronic draft control provide up to 10,200 kg lift capacity through the full range, giving you the versatility to move up to wider and heavier implements. Slip limit control with radar lets you adjust maximum slip according to your application, while Hitch Ride Control reduces bouncing during transport with mounted implements.

**Advanced hydraulics system relies on a PFC (Pressure Flow Compensating) design with up to six electro-hydraulic remote valves.**

Six-function remote lever controls can be easily set from the driver's seat – orbital motor, full function, no float and lock.

Programmable valve timer lets you set repeatable engagement times from the cab. An optional power beyond supply is also available for hydraulic power supply, return, load sense and case drain for easy hook-up to pull-type sprayers, for example.

**1000 or 540/1000 speed PTO** to handle whatever implement you're pulling. Magnum's PTO system is hydraulically activated and electronically controlled for smooth modulation and component protection. The PTO clutch is positioned on the top shaft for quieter operation. The PTO shaft can be rotated for easy coupling of implements.



### NO OTHER ROW CROP TRACTOR GIVES YOU A BETTER TURNING RADIUS.

The Magnum supplies you with precise, **tight turns** and a solid frame that delivers the strength you need to get optimum power to the ground.

## **ECONOMY. TRACTORS BUILT NOT ONLY WITH FARMERS IN MIND, BUT WITH FARMERS AT OUR SIDE.**

Case IH customers make our products more efficient and easier to use because they help us develop technology. Our engineers work with farmers in the field then use that feedback to improve our designs. Case IH dealers and technicians engage those who use our products, get to learn how they work and find ways to improve results. It's how we've created solutions like APM (Automatic Productivity Management), a system which allows the engine and transmission to communicate and establish the optimum performance range for the required speed and load, providing the greatest economic efficiency. Farming is changing and Magnum tractors are changing with it.

**APM (Automatic Productivity Management)** and the optional AFS (Advanced Farming Systems) optimize efficiency while you concentrate on your work.

### **MAXIMUM UPTIME.**

Keeping you working in your fields through longer service intervals of 600 h.





#### **CASE IH AFS ACCUGUIDE®.**

Factory Fitting a **Case IH AFS AccuGuide®** to your Magnum will provide you with fully integrated Automated Guidance improving your productivity, cutting your input costs and saving you time; money and effort year after year.

#### **PARALLEL – IDENTICAL – REPEATABLE.**

Parallel pass to pass accuracy of your choice to meet your demands. Allowing you to choose the accuracy level best suited to your requirements; choose your **Case IH AFS AccuGuide®** with 10-15 cm (with OmniStar Correction) or 2,5 cm (with RTK Correction).

## COUNTING THE COST OF WORK DONE...

Throughout the new line-up of the Magnum range, improved fuel consumption reduces fuel inputs by up to 15%. The Case IH engine efficiency technology benefits the farmer and the environment as it improves horsepower, engine responsiveness and fuel economy.

In addition, running with minimal down time, extended service intervals with easy and effective routine servicing means more savings can be realised through years of improved productivity.



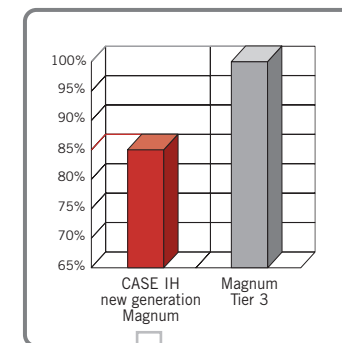
### AUTO ROAD MODE.

Selecting the Auto Road function enables you to set the variable forward speed with the throttle lever, between 1.2 kph and 40 kph. The system automatically adjusts the engine speed and gear selection to give **optimum fuel economy for the speed selected.**



### AUTO FIELD MODE.

Selecting the Auto Field function enables you to set a fixed field speed with the throttle lever. Field speed settings are up to 23 kph and **the operator no longer has to manually shift up or down or change engine speed to optimise work done** by the tractor.



### EFFICIENT ENGINES.

The new FPT designed engines fitted on the new generation Magnum range provides **up to 15% lower fuel consumption** compared to previous Tier 3 engines.

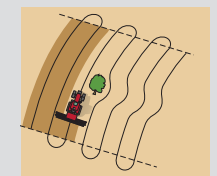
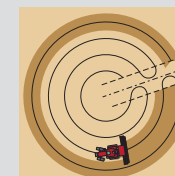
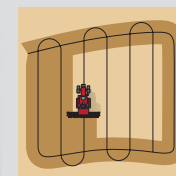
## PRECISION COMPONENTS THAT MATCH THE WAY YOU FARM.

The optional AFS Pro 700™ touch screen monitor can be integrated into the armrest to provide a clear overview of vehicle settings, video inputs and simultaneous command and control of ISOBUS-compatible machinery.



### CASE IH AFS (ADVANCED FARMING SYSTEMS) ADDING PRECISION.

Team your Magnum tractor with **Case IH AFS AccuGuide®** and gain the benefits of monitoring and controlling Case IH implements, ISO11783 implements, 3rd party controllers; prescription planting and the recording of machine variables and as applied data for reporting within the optional AFS Precision Farming Software.



## KEY FUNCTIONS ARE AT YOUR FINGERTIPS.

Multicontroller™ Drive Logic armrest featuring ICP™ intuitive control panel so key functions are at your fingertips.

At-a-glance status information is provided by the A-post mounted instrument cluster with integrated performance monitor.

## SIMPLICITY SAVES YOU MONEY.

We relied on extensive input from farmers to design the new Multicontroller armrest console which is common throughout our range. All controls are close by and easy to use and it has the optional AFS Pro 700 the largest touch screen in the industry. It's an operator control layout that helps you work through your fields in all conditions.



Get a clear picture with the **AFS Pro 700** touchscreen monitor.

**HEADLAND MANAGEMENT CONTROL SAVES YOU TIME AND EFFORT.**

This system can store up to 30 headland related operations and has a simple record and playback facility.



## A SERIOUS WORD ABOUT SIMPLICITY.

Feedback from customers clearly indicates that tractors equipped with the Multicontroller and ICP (intuitive control panel) are the easiest to understand and operate. We have done the sums and found that compared to competitors' systems the Case IH control concept can save you nearly 30% on the time it takes to become fully acquainted with the way the tractor works. The fact is this time saving in the first month adds up to more than 80 hours which, if converted into driver's wages (multiplied by the number of drivers), becomes serious money. To put it simply, it puts money back in your pocket from day one. Do the maths – simplicity really adds up.

SIMPLICITY



### A-POST INSTRUMENT DISPLAY

The displays are clear, concise and easy to read. The optional **integrated Performance Monitor** provides additional feedback on tractor systems status, percentage of slip, area worked, and service reminders. The driver is also alerted of any warnings, with the engine shutting down automatically to protect your investment if need be.



### AFS ALREADY INSTALLED?

If you already employ Case IH Advanced Farming Systems on other tractors or combines using a portable AFS Pro 600 monitor, for example, **your existing screen(s) will be compatible with your new Magnum tractor.**





### MULTICONTROLLER™ DRIVE LOGIC ARMREST

The Multicontroller – featuring drive logic – and the ICP intuitive control panel plus the optional AFS Pro 700™ touch screen monitor integrate **all the tractor's functions into the armrest**. Here, you have all the functions you need in one place: speed selection, direction changes, throttle, Headland Management Control, electronic remote valves, rear hitch controls, PTO, joystick and much more. This operator-friendly environment gets even a novice driver working effectively on day one.

- |  |   |
|--|---|
| 1 Constant engine speed or Headland Management Control | 15 Auto PTO                                 |
| 2 EHC linkage raise/lower                              | 16 Slip Control                             |
| 3 Remote valve control                                 | 17 Headland Management Control              |
| 4 Powershuttle   | 18 Hitch Ride Control                       |
| 5 Gear ratio up shift or down shift                    | 19 AccuGuide (if equipped)                  |
| 6 AFS Pro 700™ touch screen monitor                    | 20 EHC Position Control                     |
| 7 Remote valve controls                                | 21 EHC Draft control                        |
| 8 Hydraulic motor mode and timer buttons               | 22 EHC linkage raise/lower                  |
| 9 ICP™ Intuitive Control Panel                         | 23 PTO on/off                               |
| 10 Constant engine speed                               | 24 Slip Control                             |
| 11 ECO Fan   | 25 Encoder to adjust timer and flow control |
| 12 Auto Field and Auto Road                            | 26 Linkage upper limit control              |
| 13 Manual and Auto 4WD/Diff-Lock                       | 27 Linkage drop rate control                |
| 14 Front axle suspension lock                          | 28 Draft sensitivity control                |
|  | 29 Front hitch management                   |

The image shows the interior of a Case IH tractor cab. A large red sign with white text is mounted on the left side of the dashboard. The sign reads: "CASE IH TRACTORS AND COMBINES ARE KNOWN FOR THEIR COMFORT." Below this, a paragraph of text describes the comfort features. The background shows the steering wheel, a red seat, and a view of a yellow field through the windshield and side mirrors.

## CASE IH TRACTORS AND COMBINES ARE KNOWN FOR THEIR COMFORT.

Think about the highest standards of in-cab comfort available – and then be prepared for the Magnum Surveyor cab to exceed all your expectations. The quality of the upholstery and controls match the feeling of superior comfort once you are behind the wheel, looking forward to a full day's work. Put yourself in control, put yourself first.

**360° visibility** for clear sightlines in all directions.

Very **low noise levels** inside cab.

**Optional luxury swivel seat** for healthy posture.

**Easy adjustments** of steering wheel, seat and Multicontroller armrest to adopt the healthiest driving posture.

Smooth ride with optional **front and cab suspension**.

Ideal working environment with **electronic climate control**.

**Optional Leather seat and Pro 700 Screen**.



## TAKING THE STRAIN OUT OF A TOUGH JOB.

It's a tough job and it's a job that has to be done right now.

Good to know that your tractor is ready and waiting with the most comfortable cab in the business.

Air suspension seat with controls and optional monitor integrated into the Multicontroller armrest, which is adjustable in relation to your driving position. The armrest moves up and down and rotates with you if you turn the seat.

The steering wheel can be tilted and height adjusted to give you the ideal healthy posture at work.



### OPTIONAL FRONT SUSPENSION IMPROVES RIDE COMFORT AT THE SAME TIME AS PROVIDING MORE CONTROL.

Working together with the optional cab suspension, the **suspended beam ClassIV front axle** design for Magnum 260 - 315, **isolate the driver from shocks**. A suspended Class V axle and control system is available for the Magnum 340.



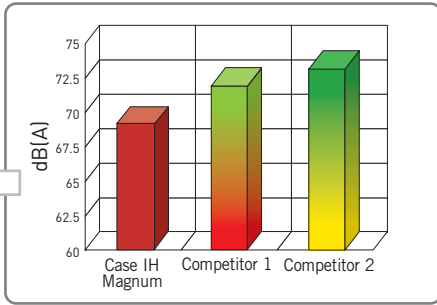
### STAY RELAXED, STAY ALERT.

**Automatic climate control** lets you select the perfect temperature for continuous comfort.



### LIGHTEN UP THE DARKEST NIGHT.

Take your pick of lighting packages including standard halogen lighting technology. **For maximum illumination**, choose the optional HID work light package which includes front and rear facing High Intensity Discharge lights.



### **SURPRISINGLY QUIET.**

At just 68 dB(A) the cab offers you the quietest environment you have ever been working in.



## EXPERIENCE AND QUALITY. SETTING THE STANDARD.

More than 115,000 Magnum tractors have been built at the Case IH plant in Racine/USA. From the finish of the paintwork to the core of the heavy-duty frame, these tractors are built to last and are delivered with the specifications you need to get your work done. Start right now and keep producing top productivity year after year.



### CHOOSE THE TRACTOR WITH BUILT-IN EXPERIENCE AND QUALITY.

Equipment availability is critical in farming because when it's time to get going you need to know that you have every possible resource at your disposal. That is why it is important to choose a tractor that is backed by a heritage of quality, built in the USA: Case IH has been developing reliable agricultural machinery for more than 160 years and took the lead in pioneering Automatic Productivity Management well ahead of the rest of the field.



### DAY-TO-DAY SERVICE THAT'S AS EASY AS STANDING UP.

Checking your tractor's transmission, oil or hydraulic fluid can be done while standing on the ground. No steps to climb or hard-to-reach places. Because your tractor needs to keep running, and the Magnum makes it easy for you to keep on top of its maintenance as quickly and effortlessly as possible. And Case IH dealers and technicians are ready to handle any engine service that requires a little more work. We also have a 600-hour service interval, because giving you maximum uptime is an aim of every tractor Case IH makes.



### IMPROPER WEIGHTING COSTS YOU MORE THAN JUST YOUR BALANCE.

A properly weighted tractor will preserve your fields and save you money by providing improved fuel economy. Magnum tractors can be designed for optimal balance and weight distribution. That means you spend less time setting up the tractor the way you need it. And it frees you from worrying about a loss of traction and increased compaction in tough field conditions. A tractor has to do more than just work. Magnum tractors work as efficiently as possible.



## PARTS & SERVICE.

### Maintain the productivity of your investment.

Case IH and its dedicated dealer network provide excellent support when you take delivery of your new machine and whilst it remains in your ownership. On the farm, you can rely on trained service professionals to maintain the productivity of your investment.



## DEALER.

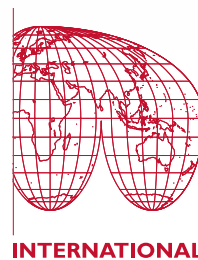
### Skilled business advisor at your dealership.

### Demand more from your Case ih dealership.

Purchasing a standalone piece of new equipment? Keeping a whole fleet up-to-date? Whatever your size of operation, contact your local Case IH dealership for professional advice on your business needs. Case IH knows your farming needs best.

# DO NOT RISK YOUR MACHINE'S LIFE. BUY CNH ORIGINAL PARTS!

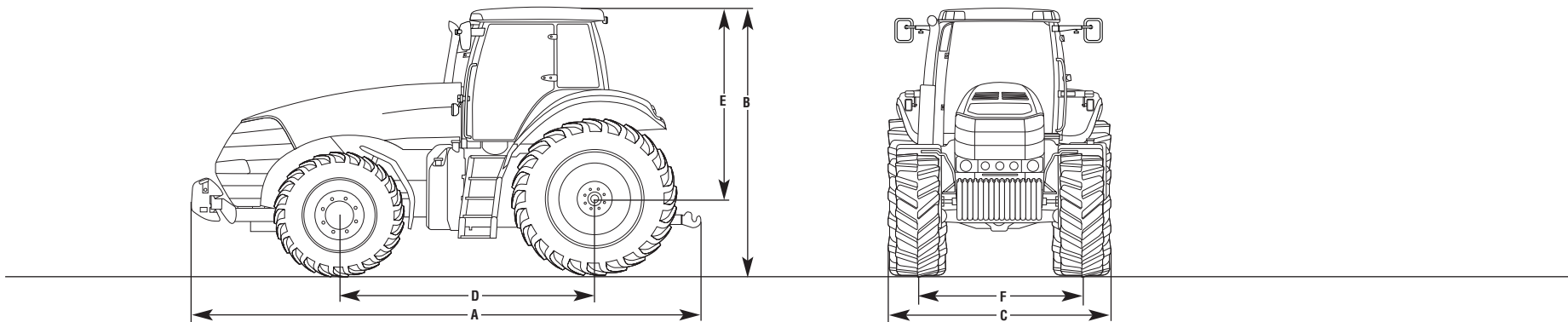
**Protect the value of your investment.** Behind every Case IH product stands an extensive parts logistics organisation, stocking parts for products both old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.



MODELS	MAGNUM 260	MAGNUM 290	MAGNUM 315	MAGNUM 340
<b>ENGINE</b>				
Number of cylinders / type / emission level	6 / Common Rail Diesel engine with 24 valves, turbocharged and intercooled / Tier 2			
Capacity (cm <sup>3</sup> )	8700	8700	8700	8700
Rated power ECE R120 <sup>31</sup> [kW/hp(CV)]	189 / 257	209 / 284	229 / 311	250 / 340
Rated power ECE R120 <sup>31</sup> Power Management [kW/hp(CV)]	216 / 294	235 / 320	255 / 347	276 / 375
Rated engine speed (rpm)	2000	2000	2000	2000
Maximum power ECE R120 <sup>31</sup> [kW/hp(CV)]	213 / 290	233 / 317	255 / 347	275 / 374
Maximum power ECE R120 <sup>31</sup> Power Management [kW/hp(CV)]	219 / 298	241 / 328	263 / 358	286 / 389
... at engine speed (rpm)	1800	1800	1800	1800
Maximum torque (Nm/rpm)	1267/1400	1397/1400-1600	1531/1400-1600	1671/1400-1600
Torque rise Standard / Power Management (%)	42 / 27	37 / 28	47 / 28	42 / 27
Fuel tank, diesel (litres)	710	710	710	710
Additional Fuel Filtration	water separator (SEPAR Filter)			
<b>TRANSMISSION</b>				
Type	Full Powershift with Powershuttle			
Number of standard speeds Creeper 40 kph	23 x 6	23 x 6	23 x 6	23 x 6
number of standard speeds 40 kph	18 x 4	18 x 4	18 x 4	18 x 4
Differential lock rear axle	Multi-plate with automatic functions			
<b>FOUR-WHEEL DRIVE AND STEERING</b>				
Type	Differential lock as standard, front axle suspension optional			
Front axle suspension	o	o	o	o
Steering angle (°)	55	55	56	56
Min. turning radius <sup>1)</sup> track setting 1829 mm (m)	5.3	5.3	5.3	5.3
<b>POWER TAKE OFF</b>				
Type	Electro-hydraulic with Auto PTO control available			
Speeds Standard / Option	1000 / 540/1000	1000 / 540/1000	1000 / 540/1000	1000 / 540/1000
Engine speeds Standard / Option (rpm)	1800 / 1400/1800	1800 / 1400/1800	1800 / 1400/1800	1800 / 1400/1800
Shaft type Standard PTO	1 3/4" 20 splines	1 3/4" 20 splines	1 3/4" 20 splines	1 3/4" 20 splines
Shaft type Optional PTO	1 3/4" 20 splines (1000 rpm) or 1 3/8" 21 splines (1000 rpm) or 1 3/8" 6 splines (540 rpm)			
Front PTO with 1000 rpm	o	o	o	o
<b>HYDRAULIC SYSTEM</b>				
System type	Variable displacement, pressure flow compensated pump			
Max. pump flow rate Standard / High Flow / Twin Flow (l/min)	161 / 218 / 161+113	161 / 218 / 161+113	161 / 218 / 161+113	161 / 218 / 161+113
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)	9130	9130	10200	10200
OECD lift capacity through range @ 610 mm (kg)	6706	6706	7416	7416
Max. number of remote valves	4 standard up to 6 optional			
Remote valve timer control	0 - 30 seconds on all models			
Category type	Cat III / IIIN	Cat III / IIIN	Cat III / IVN	Cat III / IVN
Slip control	●	●	●	●
Front hitch with 5000 kg lift capacity	o	o	o	o

MODELS	MAGNUM 260	MAGNUM 290	MAGNUM 315	MAGNUM 340
<b>WEIGHT</b>				
Minimum shipping weight (kg)	9136	9377	9377	9568
Permissible total weight Standard / Class V front axle (kg) (kg)	17500 / -	17500 / 18000	17500 / 18000	- / 18000
Max. permissible weight front Standard (kg)	6030	6030	6030	6750
Max. permissible weight rear Standard (kg)	11500	11500	11500	11500
<b>DIMENSIONS <sup>1)</sup></b>				
A: Total length (mm)	6428	6428	6428	6428
B: Total height (mm)	3378	3378	3378	3378
C: Total width (across rear fenders with 150 mm extension) (mm)*	2515	2515	2515	2515
D: Wheel base (mm)	3055	3055	3055	3055
E: Height at centre of rear axle, highest point (mm)	2488	2488	2488	2488
F: Track setting front (mm)	1560-2256	1560-2256	1560-2256	1560-2256
rear (mm)	1470-2294	1470-2294	1470-2294	1470-2294

● Standard Equipment    ○ Optional Equipment    - Not available    <sup>1)</sup> With standard tyres    <sup>2)</sup> Other tyres on request    <sup>3)</sup> ECE R120 correspond to ISO 14396 and 97/68/EC    \*) rear tyre width 710






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**INTERNATIONAL**

 **SAFETY NEVER HURTS!**<sup>TM</sup> Always read the Operator's 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.

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**<sup>TM</sup> lubricants

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