

# LUXXUM

TRACTORS FROM  
100 – 120HP



**CASE IH**



# CASE IH LUXXUM

Hard work has never been so easy

Some things make jobs so much easier that you will wonder how you ever managed without them before. The new Case IH Luxxum is just like that, with greater maneuverability, higher levels of comfort and better visibility than any tractor of its size we've ever made. It continues our commitment to meet the demands of the operator, ensuring greater productivity from both tractor and driver. With three new models from 101-117hp, the only thing there's less of is the need to compromise.



## COMPACT

Fast road transport, stability on any terrain, nimble and manoeuvrable on the headland or at your farm.



## LOADED AND READY

Pair your Luxxum with a matching Case IH L loader for a perfectly tuned total package.



## VERSATILE

No compromises, just practical power and versatility in this leading all-rounder.



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**CASE IH**

# LUXXUM RANGE

## The total package

Look around a Luxxum and you'll see immediately that this is a tractor made for those who demand more. These are mid-range models for those who may not need the highest horsepower, but in every other detail require the best

possible specification. We know that a successful day's work starts with a superior tractor that can meet the challenges of every day tasks with versatility, performance, power and reliability.

MODELS	Rated power ECE R120 <sup>1)</sup> @ 2,300 rpm (kW/hp(CV))	Number of cylinders / Capacity (cm <sup>3</sup> )	Max. Torque (Nm) @ 1,300 rpm	Max. rear lift capacity (kg)
Luxxum 100	101	4 / 3,600	450	5,560
Luxxum 110	110		490	
Luxxum 120	117		506	





1

### POWERFUL AND EFFICIENT

- 4-cylinder 3.6l FPT with intercooler and turbocharger
- All Luxxum models meet strict Euro Stage V emissions standards with maintenance free Compact HI-eSCR2 exhaust aftertreatment system
- 600-hour service interval
- Constant engine speed function
- Maximum torque 506Nm at low engine speed of 1,300 rpm

2

### AXLES WITH GREATER CAPACITY

- Suspended and braked front axle optional
- 100 % rear axle electrohydraulic differential locks
- Narrow turning radius of 4.3 m
- Maximum permitted total weight of 8,000 kg

3

### THE RIGHT TRANSMISSION TO MEET YOUR NEEDS

- 32x32 4-speed Powershift with electrohydraulic Powershuttle
- 13 gears in main working area between 4 kph and 12 kph
- Economical drive: 40 km/h at 1,730 rpm
- Speed matching function when changing groups

4

### BEST-IN-CLASS HYDRAULICS FOR DEMANDING OPERATIONS

- Closed center hydraulic pumps with 80 l/min or 100 l/min flowrate
- Electronic hitch control (EHR) with up to 5,560 kg rear lifting capacity
- Up to 3 mechanical rear remote valves
- Electrohydraulic rear remotes option
- Front coupler and 2 sets of electro-hydraulic mid mount valves option
- Front hitch with 1,985kg lifting capacity and optional front PTO





# MAKING EASY WORK OF HARD TASKS

The Luxxum advantage

With Luxxum, you get many of the features found on larger Case IH tractors, such as the Multicontroller, split throttle and joystick hydraulic control. But whether or not you're familiar with these, you'll find they soon become second nature to operate. Case IH doesn't do complexity for its own sake – our focus is on technology to make life easier.



## **PACKAGES TAILORED TO OUR FARMER'S NEEDS**

There's no wrong choice

**Your machine, your choice. We have introduced two new packages to simplify the process of specifying a Luxxum tractor according to our mid-size dairy farmer's requirements. Choose from our Selection and Advanced editions or tailor your Luxxum to your individual needs.**



## ADVANCED

Advanced productivity features for daily operation

- ActiveDrive 4 32x32 semi-Powershift transmission
- 40 km/h Eco with Active Clutch and automatic shifting for field and road work
- 4 speed PTO
- Suspended front axle with diff-lock and optional front axle brake
- Suspended cab with air conditioning, premium air-suspension seat and passenger seat
- Mechanical and electric remotes with electro proportional joystick and 100 lpm CCLS hydraulic pump option
- Optional leather steering wheel

The equipment packages can be changed by Case IH without prior notification. Please contact your local dealer for the latest configuration.

## SELECTION

Essential selection of options to cover farmer needs

- ActiveDrive 4 32x32 semi-Powershift transmission
- 40 km/h Eco
- Automatic shifting for field and road work
- 4 speed PTO
- Front axle with diff-lock and optional front axle suspension
- Cab with air conditioning, air-suspension seat, passenger seat and optional cab suspension
- Mechanical remotes with 80 lpm CCLS hydraulic pump



# FEEL RIGHT AT HOME

Experience exceptional comfort

**At Case IH we define comfort as a must. Our goal is to design the perfect cab for long working days. We know your working days don't always end when it gets dark, therefore the Luxxum has up to 10 LED work lights which will light up everything around the machine.**

## **MAXIMUM COMFORT**

A top-of-the-range air suspended operator seat with extendable/retractable lower seat cushion is standard. An optional heated and ventilated seat is also available.

## **PLEASANT AND SAFE DRIVING**

Comfort is further improved by cab suspension options for a smoother driving experience.

## **COMFORT FOR TWO OR MORE**

Fold away the armrest to provide the perfect spot for your four-legged friend, in addition to a passenger jump seat for another person.

## **QUIET AND FOCUSED**

A very low level of operating noise makes long working days less mentally tiring and protects your hearing long term.

## **UNRESTRICTED VIEW**

The slim pillars with a curved upper windscreen area plus sunroof provide excellent visibility and safety when operating with a front loader.

## **CLEAR SIGHT IN WET CONDITIONS**

The windscreen wiper cleans 200° around its pivot point to ensure excellent visibility in all weather conditions.





# CONTROL IS EVERYTHING

Stay on top of it all

**You'll find the Luxxum's logical control layout on the operator's right ensures intuitive operation every time. Everything at hand, everything in a logical location, and you'll find it easy to operate. That's the hallmark of Case IH cab design.**

## **ARMREST TO IMPROVE YOUR PRODUCTIVITY**

Luxxum's armrest is designed to make repetitive operations easier than before, prioritising safety and ergonomics. Controls for features such as the separate spool valve joystick, a split throttle for minimum/maximum engine speed settings, and rear linkage are all provided on the armrest.

## **SIMPLICITY AT YOUR FINGERTIPS**

With the ergonomic Multicontroller lever, you can handle multiple operating controls intuitively. Forward/reverse shuttling, transmission and hydraulic outlet operation are all in the palm of your hand and at your fingertips.

## **CONTROL MEANS COMFORT**

All other key controls for tractor and implement operations are grouped logically on the console adjacent to the armrest, within easy reach. Above them, on the cab B-pillar, you'll find ventilation/climate controls, wiper switches, a touchpad lighting panel and a radio.



- A** MULTICONTROLLER
- B** ELECTROHYDRAULIC LOADER JOYSTICK
- C** FRONT/REAR HYDRAULIC REMOTE CONTROL
- D** LINKAGE POSITION CONTROL
- E** LINKAGE DRAFT CONTROL
- F** HYDRAULIC REMOTE TIME/FLOW SETTING
- G** SPLIT THROTTLE
- H** TRANSMISSION PROGRAMMING
- I** SHUTTLE AGGRESSIVENESS SETTING





# THE PINNACLE OF PERFORMANCE

Excellence in operation

At the heart of every Case IH Luxxum tractor lies a powertrain in which each and every component has been designed from the beginning to work seamlessly and efficiently with the next. From the engine, through the transmission, and all the way to the axles – the core elements of Luxxum tractors have been crafted to perform in harmony with each other.

The result is a system that ensures the most efficient transfer of power to tyres to the ground, and the most effective transmission of power to the implement.



# HEART OF THE MACHINE

Unrivaled balance between power and torque generation

**Luxum engines come from the only source you'd expect - FPT Industrial, a proven provider of power. Every model uses a new Stage V, 3.6-litre, four-cylinder FPT engine with four valves per cylinder for thorough combustion.**

## **NEW FPT F5 SERIES 3.6 L ENGINE**

FPT Industrial's solutions increase engine displacement with no change in external dimensions. Updated turbocharger and piston designs bring more power and outstanding torque density.

## **HIGHER OUTPUT**

To ensure higher productivity, engine displacement has increased to 3.6 l, generating 5% more torque. Moreover, maximum torque is achieved at just at 1,300 rpm which improves load response and startability.

## **COMPACT DESIGN**

Integrated component design and low cooling requirements ensure an overall compact engine. As a result, visibility from the operator's seat is unimpeded, while manoeuvrability and ground clearance are uncompromised.

## **LESS REFUELING**

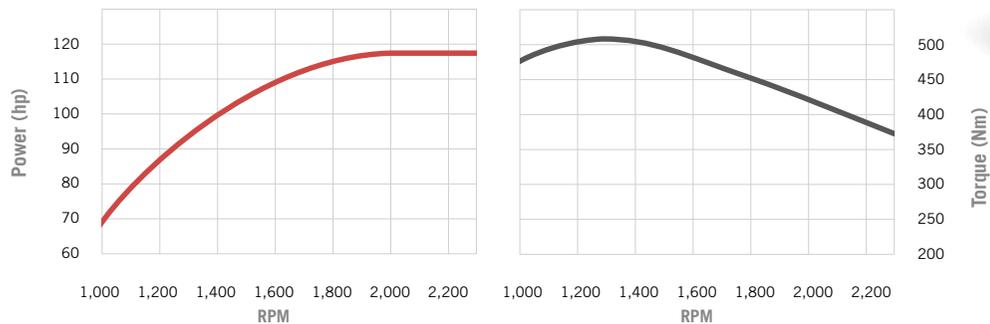
Fuel tank capacities of 140 litres plus DEF/AdBlue tanks that hold 10 litres mean long stints between refuelling.

**AFTERTREATMENT SYSTEM “FOR LIFE”**

The new FPT compact HI-eSCR2 solution has adopted an aftertreatment system “for life”. This represents the end of replacing components or mechanical cleaning during its entire lifecycle.

**ADVANTAGES**

- Extra power and torque due to increased displacement and 4 valve configuration
- Easy to maintain, as all service points are on one side of the engine and the Compact HI-eSCR2 after treatment system is maintenance free
- Compact HI-eSCR2 under bonnet solution enables Case IH Engineers to keep the dimensions of the Luxxum compact and increase viability thanks to the redesigned exhaust system.

**Luxxum 120**

**FPT**  
POWERTRAIN TECHNOLOGIES  
Compact HI-eSCR2



# UNIQUE ACTIVE DRIVE 4 TRANSMISSION

Precise speed and power delivery

Case IH Luxxum tractors are fitted with the ActiveDrive 4 transmission designed to deliver high levels of power and torque.

## SMOOTH GEAR SHIFTS

ActiveDrive 4 provides easy, clutchless, button-operated shifting between gears and ranges to maximize operator comfort.

## ELECTROHYDRAULIC POWER SHUTTLE

Located ergonomically under the steering wheel and on the Multicontroller, the Powershuttle allows directional changes without releasing the steering wheel. This enhances comfort while generating time and fuel savings.

## MORE GEARS IN THE MAIN WORKING RANGE

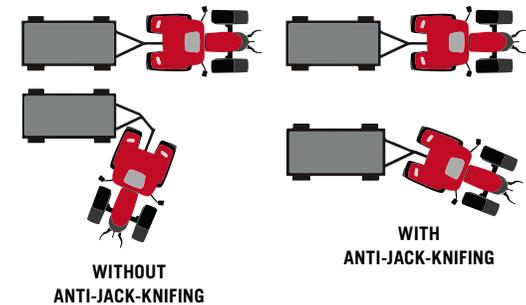
With a total of 32 forward and 32 reverse gear options, the ActiveDrive 4 transmission is a smooth-shifting semi-automatic transmission, covering a wide range of speeds, from 0.28 km/h to 40 km/h. Offering 11 gears up to 8 km/h in field mode, Luxxum allows much more precise speed selection for different applications.

## COMFORTABLE LOADER WORK

With Active Clutch, you can stop your Luxxum just with the brake pedals. There's no need to press the clutch pedal, providing more comfort.

## ANTI JACK-KNIFE SYSTEM

Downhill driving with a heavy load behind the tractor is made much safer by an anti jack-knife transmission feature. When driving on a downhill slope or bend, this feature allows the operator to push the shuttle FWD button to inhibit gearshifts and prevent the risk of jack-knifing when the transmission is between shifts and the weight of the trailer is pushing the tractor.



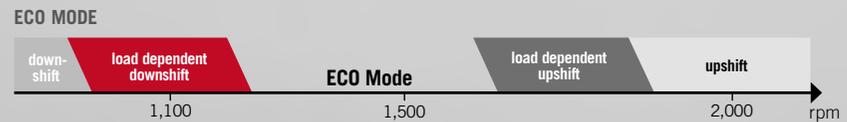
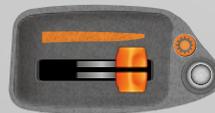
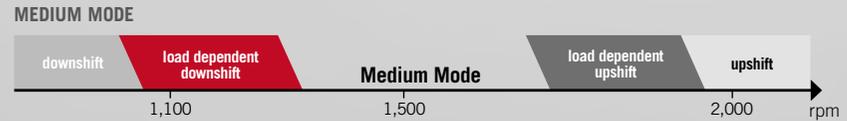
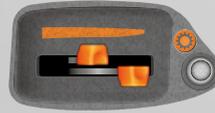
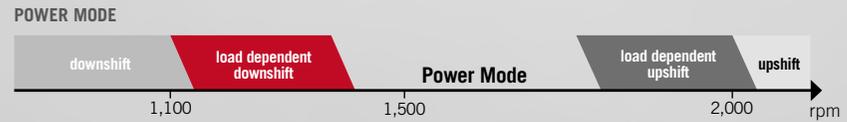
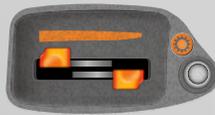


- fast 1 FRONT LOADER
- medium 2 TRANSPORT
- soft 3 FIELD WORK

**SHUTTLE AGGRESSIVENESS**

Adjust the forward-backward shuttle response speed (slow or fast) as controlled by an electrohydraulic Powershuttle, depending on working conditions and the type of attachment used. Ideal during front loader work or on boundaries.

**ACTIVEDRIVE 4 - ECODRIVE STRATEGY**



Multifunctional driving lever for better operator comfort

**AUTO MODE ENGAGEMENT**

Ergonomically located on the Multicontroller armrest, the auto mode button allows a progressive shift through both gear and range changes.



NEUTRAL ENGAGEMENT

CONSTANT ENGINE REVS MEMORY ENGAGEMENT

SHUTTLE

GEAR/RANGE SHIFT



RANGE SHIFT



# POWER WHERE YOU NEED IT

## A full PTO package

Whether you need a Luxxum to perform tough powered cultivation or manure spreading duties, or lighter yet no less demanding raking or tedding tasks, you'll find Luxxum tractors tailor-made for the full breadth of PTO work.

### SPEED UP YOUR WORK

Case IH engineers have ensured Luxxum models are equipped with a comprehensive package which includes 540, 540E, 1,000 and 1,000E rpm PTO speeds, changeable easily in-cab once the shafts have been swapped.

### AUTO PTO

An auto PTO feature, which disengages PTO drive automatically when the rear linkage is raised at the end of the row and re-engages it when the linkage is lowered, is standard on Luxxum tractors. Additionally, soft-start PTO engagement eases headland operation while preventing damage to the PTO shaft.

### GROUND SPEED PTO

A ground speed PTO is also available on all models, so whatever the task, whatever the implement, there will be a speed to suit the job at hand. Or choose your tractor with a front PTO - capable of 1,000 rpm - with or without the optional front linkage.

- 540, 540E, 1,000 and 1,000E rpm PTO speeds
- In-cab speed changing
- Ground speed PTO option
- Auto PTO headland function
- 1000 rpm front PTO option







# HIGH-SPEC HYDRAULICS

The power to perform

**Lift, lower, pull and power – Luxxum tractors are engineered to work with demanding implements on highly demanding operations. We help you get the work done every time.**

## **UP TO 100 L/MIN HYDRAULIC OUTPUT**

A standard 80 l/min and (for those who require even more output) 100 l/min CCLS pump options are available on Luxxum. Configure your Luxxum with mechanical and electronic rear remote valves to maximize the efficiency of the hydraulic flow delivered to implements attached.

## **NEW MID-MOUNTED REMOTE VALVES**

The mid-mounted remote valve options allow up to 2 additional electrohydraulic valves. You can control electrohydraulic mid-mounted valves via a dedicated joystick on the armrest while operating with the new Case IH L series front loaders. Additionally, Luxxum offers front couplers to deliver the required hydraulic power even to demanding front implements.

## **INTUITIVE CONTROLS**

Luxxum's electronic linkage controls are easy and quick to operate, with a raise/lower button on the Multicontroller joystick, while the rear remotes can be operated with buttons nearby.

## **IMPRESSIVE LIFT CAPACITY**

Mounted implements are handled with ease regardless of their size and weight. A winning combination of CAT III N rear linkage and rear lifts with maximum lift capacity of 5,560 kg makes it possible.

## **REAR FENDER CONTROLS**

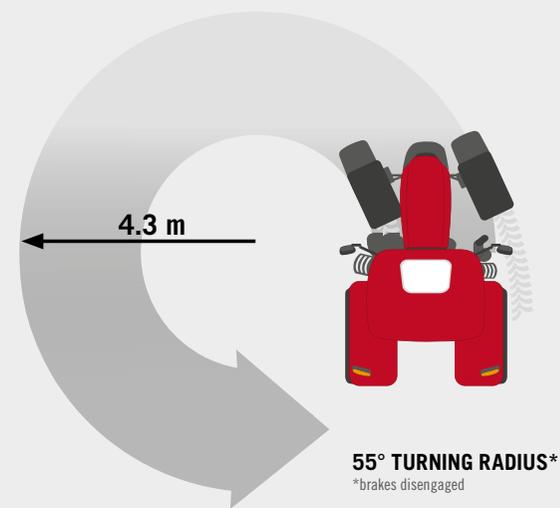
Conveniently located on both rear fenders, the fender controls let you control rear linkage, PTO and rear remotes directly when standing next to your machine.

- Unique, clean rear design provides easy access for maintenance
- Colour codes on all remote valves for easy and safe operation
- Optional hydraulic top linkage controlled in-cab
- Safe and easy connection of hydraulic or pneumatic trailer brakes



#### ADVANTAGES

- 100 litres/min CCLS hydraulics option
- Up to 3 mechanical and up to 2 electrohydraulic rear remotes
- Up to 5,560 kg rear linkage capacity
- Easy operation with the Multicontroller
- Optional fully integrated front linkage connected to electrohydraulic mid-mount valves and front couplers



## DESIGNED WITH SUPERIOR DRIVING COMFORT IN MIND

Ready to tackle any terrain

**Whether your workload involves road travel, heavyweight field tasks, lighter work, or loader work, Luxxum models can be specified to suit your needs.**

### COMFORT THAT MATCHES YOUR EXPECTATIONS

Providing 80 mm of movement, the front axle suspension system is the same well-proven arrangement that features on Case IH bigger tractors. A button on the control panel allows adjustment of suspension setting to three different levels: soft, normal or hard.

### SMOOTHER LOADER ACTIVITY

The suspension adjusts to tractor loading and automatically remains in the optimal position. This feature is very useful for front loader operations to stabilize the tractor and implement. The system also reacts to changes due braking to ensure a safer drive.

### COMPACT AND STRONG

Luxxum may be compact but it delivers more than you may expect. It's strong front and rear axles work together to carry up to 8 tons.

### ELECTROHYDRAULIC DIFFERENTIAL LOCK AND 4WD

Slippery conditions demand precise power application. Electrohydraulic four-wheel drive keeps you moving while a fully-locking electrohydraulic diff lock on both front and rear axles, lets you manage each wheel separately to maximise grip. Or choose the Luxxum's automatic differential lock for stress free turns and headlands.

### SAFE DRIVE AND SAFE STOP

Optional front axle brakes are activated together with the rear brakes when braking in auto 4WD mode to improve braking performance. Other options include a parking brake and trailer brakes (hydraulic or pneumatic) to maximise safety during transport.







# MADE TO BE TOGETHER

Luxxum + L loaders = the perfect match

## **STRONG HYDRAULICS FOR FAST RESPONSE**

A variable displacement pump (CCLS) reaches an outstanding output of 100l/min.

## **HIGH FRONT AXLE CAPACITY**

Luxxum tractors come with a strong 1.5HD front axle to handle medium loader work.

## **KEEP AN EYE ON YOUR WORK**

Work smarter and safer with your loader thanks to Luxxum's generous curved glass windows and roof window for 360° visibility.

## **ALL-IN-ONE SOLUTION**

A newly designed joystick on the armrest combines the control of the front loader with the control of the transmission. This means there is no need to switch between the Multicontroller and joystick while working with the loader. The joystick also comes factory ready for the integration of the third and fourth loader functions.

# EXPAND YOUR CAPABILITIES

The new Case IH L loaders

The new L loader line-up by Case IH opens up new horizons: three ranges (A, U and T) and 12 models in total have been developed to expand the capabilities of our Luxxum tractors.

Each loader is perfectly designed for use with our various tractor models and convinces from a lot of different perspectives. Benefit from maximum precision, rapid response and next level capacities – for remarkable ease of handling.

SERIES	A	U	T
SHOCK ELIMINATOR System®		Standard	
MACH System®		Standard	
FITLOCK 2+ System®	–		Standard
FITLOCK 2M System®	Standard		–
MACH 2 System®	Option		Standard
FAST-LOCK System®		Option	Option
AUTO-UNLOAD System®			Option



## PREMIUM DESIGN – MAXIMUM OUTPUT

### THE T SERIES

The flagship T series is a premium specification range including hydraulic self-levelling as standard to increase the lifting power by 35%. Its unique PCH system automatically maintains the implement's angle by using two perfectly integrated compensation rams, constantly connected to the dumping rams.

- 4 models available
- Maximum lift heights from 3.78m up to 3.92m
- Maximum lift capacities from 1,446kg up to 2,081kg



### VERSATILE AND DURABLE

#### THE U SERIES

The robust U front loader series with mechanical self-levelling is ideal for everyday handling tasks. They are easy to operate and are offered with the FITLOCK 2+ System® for automatic locking and unlocking.

- 6 models available
- Maximum lift heights from 3.78m up to 3.92m
- Maximum lift capacities from 1.832kg up to 2,259kg

### THE BASIS OF SUCCESS

#### THE A SERIES

Suiting tractors from the Farmall C up to the Maxxum, these efficient entry-level loaders are equipped with mechanical self-levelling as standard, and the FITLOCK 2M System® for fast loader hitching/unhitching. To handle a wide range of attachments, A series loaders offer a third hydraulic function.

- 2 models available
- Maximum lift heights from 3.79m up to 3.94m
- Maximum lift capacities from 1,872kg up to 2,196kg



## HIGH-SPECS FOR HIGHEST DEMANDS

Simply accomplish more – in less time

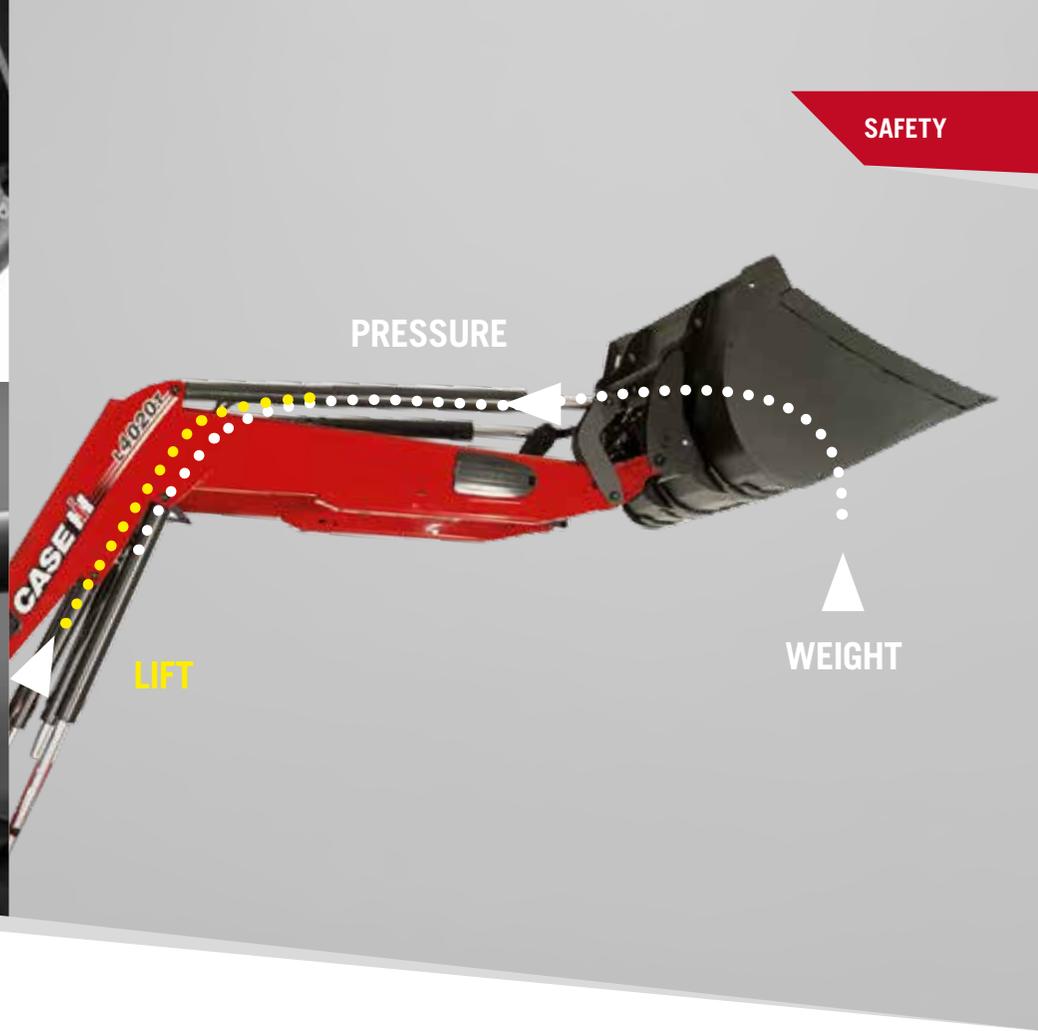
### **STRONG CONCEPTS. BIG IMPACT.**

The loader bracket is optimally positioned near the tractor's center of gravity, reducing stress on the front axle and distributing the weight of the load for greater stability. Perfect lifting capacity is ensured by a vertical lifting curve which provides a constant lifting force from the bottom upwards.

- Bracket position close to center of gravity
- Exceptional forward reach for discharge and a convenient position to load a trailer or mixer
- The design ensures a vertical lifting curve which provides a constant lifting force from the bottom upwards

### **ANYTIME. MORE THAN READY.**

A series loaders are equipped with the basic FITLOCK 2M system with manual locking, while U and T series loaders are fitted with the FITLOCK 2+ premium system, allowing automatic locking of the loader. The MACH multicoupler allows quick coupling and uncoupling of all hydraulic and electric loader functions with ease, even under pressure.



### LOADERS FULL OF ENDLESS POSSIBILITIES

The Case IH L loader series are designed with a modular implement carrier (MX or EURO implement carrier) which can handle more than 35 types of attachments. Depending on the model chosen, you can electrohydraulically hitch and unhitch implements without leaving your seat – a new dimension of convenience with the FASTLOCK System®. In addition to hydraulic locking, the MACH 2 system allows the connection of the third and fourth function with a single movement, even under pressure. Mixed up connections have become a thing of the past.

### PCH (ONLY ON T SERIES)

#### NUMBERS SPEAK LOUDER THAN WORDS: 35% MORE POWER

The T series is equipped with the PCH hydraulic self-levelling linkage. This unique feature automatically maintains the implement angle by using two perfectly integrated compensation rams, constantly connected to the dumping rams. The PCH system also increases lifting power by up to 35%. The weight of the loaded attachment generates pressure in the tilt rams which is transferred to the PCH rams and supports the lifting process.





# PRECISION FARMING

## Case IH Advanced Farming Systems (AFS™) for top efficiency

Case IH was among the innovators in precision farming and we have more than two decades of experience in helping farmers maximise the potential of their land and the efficiency of its inputs through the use of our Advanced Farming System technology. Whether your primary work is in grassland farming, arable production or a mix of the two, there are a multitude of ways in which AFS precision farming technology can quickly repay the investment made in it. Precision application of inputs not only reduces the amount applied, but also reduces the number of passes, fuel used and time worked.



**AFSSUPPORTCENTER**

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# OPTIMISE YOUR OPERATION WITH AFS

## Best-in-class steering system with EZ-Pilot Pro

**The EZ-Pilot® Pro guidance system relying on the EZ-Pilot engine offering high accuracy guidance. With hands-free guidance, the EZ-Pilot system allows you to operate with ease and improve safety on your farm.**

- Provides hands-free guidance for farm vehicles
- Integrates directly into the steering column for clear access to cab control
- Easy and fast switch to manual guidance
- Ideal for both low-accuracy broadacre and high-accuracy row-crop farming applications
- Vehicles can be engaged in reverse up to 15 seconds
- Stay engaged while stopped

### **UP TO 2% SAVINGS ON YOUR OPERATION WITH SECTION CONTROL**

The technology will automatically switch sections on/off in areas that have already been covered to avoid overlap on passes in field, at headland turns and irregular fields shapes. This lowers your operation's input costs by eliminating double applications of seed and fertilizer.



**Requirements:** AFS Pro 700 monitor + AFS 392 GNSS receiver



# WORKING IN SYNERGY

## Operation via ISOBUS II technology

**All Luxxum tractors can be ordered monitor-ready from the factory and ISO 11783 connector, allowing them to not only work with GPS systems, but also to operate any compatible ISOBUS controlled implement.**

### **BRING GREATER FLEXIBILITY TO YOUR WORK**

ISOBUS standardizes control settings, reduces downtime and minimizes installation and interface issues. Just plug the implement's connecting cable into the connector of the Luxxum tractor, and you'll be able to monitor and control tractor functions at a glance on the AFS touchscreen monitor.

### **ENJOY SAVINGS**

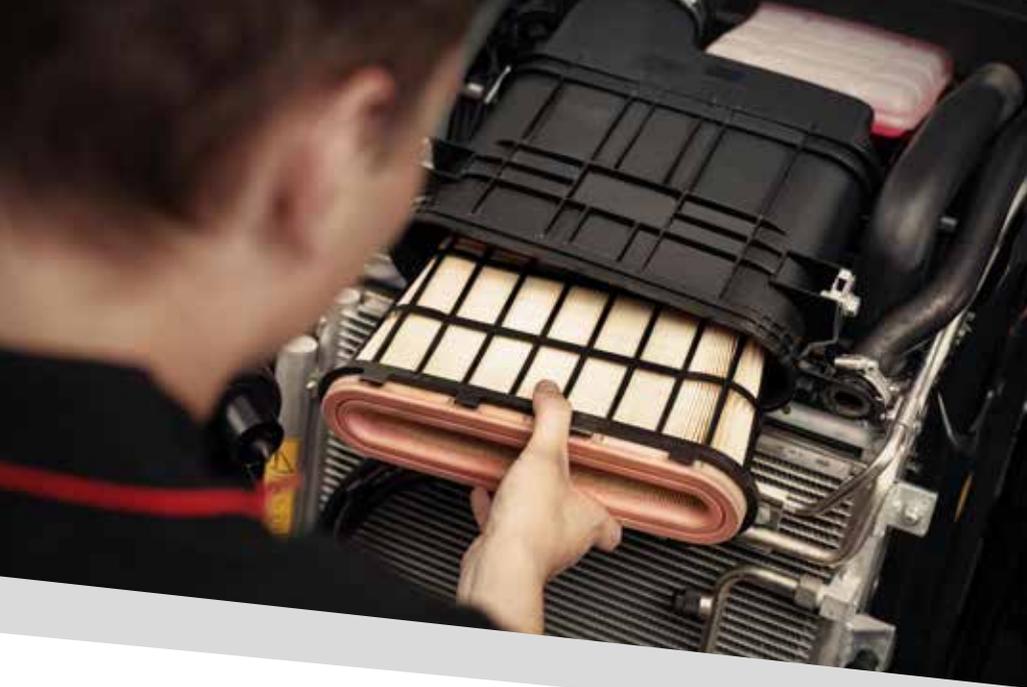
By collecting data in real-time, ISOBUS rationalises the use of fertilisers and chemicals, ensuring targeted distribution. The result is smoother, more precise operation, easier implement fine-tuning and maximising of tractor/implement output.

### **DISCOVER NEW PERSPECTIVES**

Depending on whether you choose Basic, Section or Geo-Based Task Controller, you can create documentation, operate sprayer/spreader section control and regulate variable application equipment reducing the need for multiple operating terminals.

### **ADVANCED FUNCTIONALITY WITH ISOBUS TASK CONTROLLER**

Task controller technology provides possibilities such as field mapping, variable rate application of fertiliser and other inputs, sprayer section control, prescription map creation for later application of variable inputs, and the ability to export ISOXML files back to the farm computer.



# MAINTENANCE REDUCED TO A MINIMUM

Save time. Save money.

**Case IH knows that time is money in this business. The less time you need to spend on servicing your equipment, the better. Luxxum's extended 600-hour service interval keeps your maintenance costs down and lets you stay in the field longer.**

## **QUICK AND EASY**

Case IH's engineers have relocated and improved the engine's hydraulic and electrical systems, grouping fuel and oil filters together on the left side of the engine. As a result, you can check both filters at once and get back to work much more quickly.

## **MAINTENANCE FREE FOR A LIFETIME**

FPT's innovative compact HI-eSCR2 technology is maintenance-free: no need to replace filters or clean SCR components over the system's entire lifecycle.

## **CLEVER DETAILS FOR MORE UPTIME**

Industry-leading oil change intervals (600h) help keep you in the field longer. Luxxum's cab air filters are safely housed under the rear fenders where they are easily accessible.

## **MORE POWER WITH FRESH AIR**

A generously-sized engine air filter with pre-cleaner and dust ejector is standard and designed for a long service life.





# SERVICE TEAM

Be a farmer, we take care of the rest

The Case IH SERVICE TEAM, a strong dealer network backed up by local Case IH market teams, industry-leading Case IH support tools, modern training methods, best-in-class spare parts support and logistics performance: These provide Case IH customers with excellent all-encompassing after-sales service, keeping you farming!

## GENUINE PARTS WE KEEP YOUR EQUIPMENT RUNNING.

Your local Case IH dealer and our dedicated 24/7 parts call centre technicians and their logistics colleagues are all part of the Case IH ServiceTeam network. They're highly trained to give you expert advice and solve problems, ensuring the correct, genuine Case IH parts are located and dispatched right away, reaching you next day or sooner to keep your machine in top condition.

## MAXSERVICE AROUND THE CLOCK. AROUND THE COUNTRY.

When you're working around the clock, MaxService ensures you're never alone. It's a dedicated helpline that connects you to the Case IH ServiceTeam 24/7. Call technicians at your local dealer are ready to assist with technical advice, software solutions and genuine parts ordering. At peak season, we can keep you farming with breakdown assistance.

## SAFEGUARD WARRANTY SAFEGUARD THREE-YEAR WARRANTY

The best things come in threes: Our extremely high quality standards and continual improvements to our products have allowed us to offer a 3-year factory warranty. The warranty covers all necessary repairs in years 2 and 3 to the extent of the base warranty. Labour and Case IH original parts are covered for every warranty repair without any unexpected cost to you. Terms and conditions apply, call your local Case IH dealer for details!



### OPTIMAL FINANCING SOLUTION FOR EVERY INVESTMENT

CNH Industrial Capital is the financial services brand of Case IH.

Each Case IH customer can rely on CNH Industrial Capital to offer a tailored financing option when choosing your Case IH equipment. Your Case IH dealer is here to assist you on your agricultural equipment choice and we can advise you on the right financing, leasing or rental solution that best matches your business and cash-flow needs.

CNH Industrial Capital agricultural financing experts alongside your Case IH dealer are fully dedicated to offering you the most adaptable finance solutions.

We support your business development and success with a wide array of machines and attachments with customised finance options, whether new or used.

- Go for a loan or hire purchase option to have full ownership from day one and manage your cash-flow over the medium and long term.
- Select finance leasing to lower your instalment and keep end of contract options whilst optimising your accounting.
- Adopt any of our Case IH Intelligent Rental Solutions powered by CNH Industrial Capital to maximise your machines' life cycle and benefit from competitive instalments with a regular renewal of your equipment to the newest technology

Extended warranty, maintenance and repair services, and various types of insurance, can be included in the package\*.

# SUSTAINABILITY

Case IH is part of CNH Industrial, one of the world's largest capital goods companies. It has a firm focus on its environmental responsibilities, and has been a eleven-time leader in the Dow Jones Sustainability Index.

Within the CNH Industrial group:

- 93.3% of waste is recovered
- 50% of water used is recycled and
- 72% of electricity used is from renewable sources.

Being a global leader in capital goods carries great responsibilities, which means that we must be accountable for every global activity we perform. Our responsibility does not stop at the factory gate, and we have made great efforts to be proactive when it comes to the broader global issues surrounding sustainability. Over the years, our work in research and development has been geared towards ensuring that our products continue to achieve increasingly high standards in terms of safety and eco-compatibility. Rather than limiting customers to a choice between low operating costs and eco-efficiency, our strategy is to offer products that deliver both.

At Case IH, our engineers are focused on producing machines that not only work on the land, but work with it too.



REDUCE THE CONSUMPTION  
OF RESOURCES BY MOVING FROM FOSSIL  
FUELS TO A RENEWABLE ENERGY SYSTEM



INCREASE AGRICULTURAL PRODUCTIVITY  
TO IMPROVE FOOD AVAILABILITY



REDUCE ENVIRONMENTAL IMPACT  
AND OPTIMISE ENERGY CONSUMPTION  
IN ALL COMPANY PROCESSES



INCREASE OPPORTUNITIES FOR  
EXCHANGING IDEAS AND GOOD PRACTICES  
WITH ALL STAKEHOLDERS

# ST. VALENTIN – HOME TO THE LUXSUM SERIES

Every Case IH Luxsum tractor carries the flag for Austrian engineering and manufacturing excellence. Home to the Case IH European headquarters, the St. Valentin plant relies on the passion and expertise of our engineers and production workers, as well as state-of-the-art assembly lines to produce tractors ranging from 101 to 117 hp with the highest quality and precision.

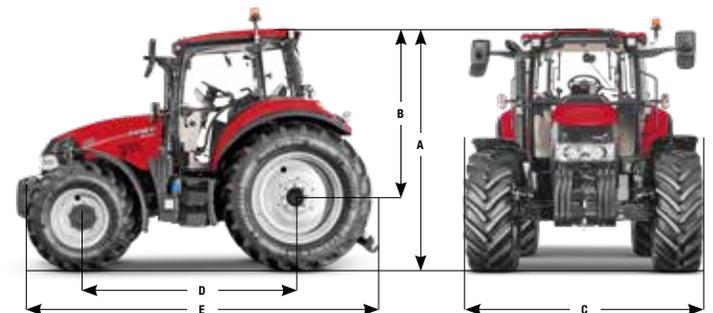
Ninety percent of tractors produced here are exported, carrying our culture of excellence around the world. The CNH Industrial tractor plant in St. Valentin, Austria, performs impressively in the annual World Class Manufacturing (WCM) audit, a success that is attributed to world-class production and highly-qualified employees. WCM stands for competence, quality and performance of enthusiastic staff.

Processes are optimised and testing, as well as quality controls, follow strict regulations that go far beyond recognised industry standards. Our clear focus is to deliver machines that are ideal for leading farming businesses and contractors.

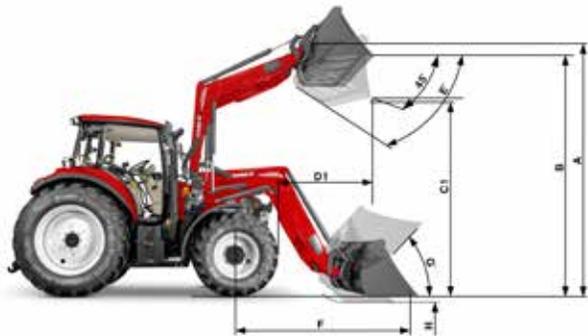


MODELS	LUXXUM 100	LUXXUM 110	LUXXUM 120
<b>ENGINE</b>	FPT F5		
Number of cylinders / Capacity [cm³]	4 / 3,600		
Type / Emission level	Common Rail Diesel engine with 16 valves, turbocharger and compact HI-eSCR2 exhaust aftertreatment system / Stage V		
Rated power ECE R120 <sup>1)</sup> [kW/hp(CV)]	74 / 101	81 / 110	86 / 117
... at engine speed [rpm]	2,300		
Maximum torque [Nm @ 1,300 rpm]	450	490	506
Torque rise standard (in %)	47	46	42
Fuel tank, diesel Standard (option) / urea [litres]	140 / 10		
<b>TRANSMISSION</b>			
ActiveDrive 4 - 32 x 32 4-speed automatized transmission [40 kph @ 1730 rpm]	●	●	●
Powershuttle	●	●	●
<b>AXLES AND STEERING</b>			
Auto 4WD engagement	○	○	○
Auto EH differential lock engagement	○	○	○
Front axle suspension	○	○	○
Front brakes	○	○	○
Turning radius (brakes disengaged) [m]	4.30	4.30	4.30
Rear axle differential lock EH actuation	●	●	●
Turning radius 4WD [m]	4.30	4.30	4.30
<b>POWER TAKE OFF</b>			
Engagement type	electro-hydraulic engagement with Auto PTO control		
Rear PTO speeds standard [rpm]	540/540E/1,000/1,000E @ 1,805 / 1,542 / 1,880 / 1,606		
Front PTO [rpm]	1,000 @ 1,920		
<b>HYDRAULIC SYSTEM</b>			
Max. pump flow – standard / optional	80 l/min CCLS / 100 l/min CCLS		
Control type	EDC (Electronic Draft Control)		
Max. lift capacity @ 610mm (OECD)	4,701	4,701	4,701
Max. lift capacity	5,560	5,560	5,560
Remote valve	up to 3 mechanical rear mounts / max. 4 remote valves (2 mechanical & 2 electrical)		
Mid mounts optional	2 electrical mid mounts		
Front hitch lift capacity [kg]	1,985	1,985	1,985
<b>WEIGHT AND DIMENSIONS<sup>2)</sup></b>			
Minimum unballasted shipping weight* [kg]	4,450	4,450	4,450
Permissible total weight [kg]	8,000	8,000	8,000
A: Overall height with 540/65 R38 rear tyres to top of the roof [mm]	2,720	2,720	2,720
B: Centre of rear axle to top of roof [mm]	1,905	1,905	1,905
C: Minimum width over rear fenders [mm]	2,100	2,100	2,100
D: Wheelbase [mm] without / with front axle suspension	2,420 / 2,430	2,420 / 2,430	2,420 / 2,430
E: Total length standard [mm]	4,197	4,197	4,197

\* Depends on market specification <sup>1)</sup> ECE R120 correspond to ISO 14396 and 97 / 68 / EC <sup>2)</sup> With standard tyres  
● Standard equipment ○ Optional equipment



	A RANGE		U RANGE						T RANGE			
	L3815A	L4017A	L3816U	L3915U	L3916U	L3920U	L4015U	L4018U	L3814T	L3917T	L3920T	L4020T
Self-levelling type	Mechanical self-levelling	Mechanical self-levelling	Mechanical self-levelling	Non-self-levelling	Mechanical self-levelling	Mechanical self-levelling	Non-self-levelling	Mechanical self-levelling	Hydraulic self-levelling	Hydraulic self-levelling	Hydraulic self-levelling	Hydraulic self-levelling
Loader Working Pressure [bar]	200	200	200	200	200	200	200	200	200	200	200	200
<b>LIFT HEIGHTS</b>												
A: Maximum lift height at implement pivot pin <sup>1)</sup> [mm]	3,791	3,945	3,786	3,829	3,829	3,829	3,927	3,927	3,786	3,829	3,829	3,927
B: Maximum lift height under horizontal bucket <sup>1)</sup> [mm]	3,509	3,663	3,504	3,547	3,547	3,547	3,645	3,645	3,504	3,547	3,547	3,645
C1: Clearance under dumped bucket at Max dumped angle [mm]	2,899	3,053	2,894	2,937	2,937	2,937	3,035	3,035	2,894	2,937	2,937	3,035
D1: Maximum reach at lift height / tires (bucket at 45° dumped position) [mm]	990	908	1,035	1,049	1,049	1,049	991	991	1,036	1,049	1,049	991
<b>WORKING ANGLES</b>												
E: Maximum dumped angle <sup>1)</sup> [°]	57	57	57	57	57	57	57	57	57	57	57	57
F: Reach with bucket on ground <sup>1)</sup> [mm]	2,305	2,634	2,370	2,508	2,508	2,508	2,654	2,654	2,370	2,508	2,508	2,654
G: Maximum rollback angle <sup>1)</sup> at ground level [°]	43	44	44	45	45	45	46	46	44	45	45	46
<b>DIGGING DEPTH</b>												
H: Digging depth <sup>1)</sup> [°]	151	217	212	262	262	262	302	302	212	262	262	302
<b>LIFTING CAPACITY</b>												
Lift capacity to maximum height - at implement pivot <sup>1)</sup> [kg]	1,872	2,196	1,832	2,332	1,975	2,319	2,272	2,259	1,446	1,807	2,138	2,081
Lift capacity to 1,5 m height - at pivot point <sup>1)</sup> [kg]	1,983	2,190	2,051	2,489	2,103	2,475	2,377	2,363	1,734	2,046	2,404	2,311
Breakout force at pivot pin <sup>1)</sup> [kg]	2,166	2,313	2,389	2,770	2,340	2,754	2,613	2,597	2,007	2,267	2,665	2,535
Bucket rollback force at maximum height <sup>1)</sup> [kg]	1,347	1,958	2,041	1,782	1,848	2,279	1,882	1,949	1,350	1,894	1,894	1,882
Bucket rollback force at ground level <sup>1)</sup> [kg]	1,502	2,222	1,320	1,904	1,778	2,194	2,068	1,962	1,274	2,023	2,023	2,068
<b>CYCLE TIME</b>												
Raising time [sec.]	4,3	5,0	4,5	5,4	4,7	5,4	5,4	5,4	3,8	4,7	5,4	5,4
Lowering time [sec.]	2,9	3,4	2,8	3,2	2,9	3,2	3,2	3,2	2,5	2,9	3,2	3,2
Bucket dumped time from crowded position at max height [sec.]	1,5	1,7	0,6	1,3	0,8	0,9	1,3	0,8	1,9	1,9	2,7	2,7
Bucket Rollback time at ground level [sec.]	2,0	2,3	0,9	2,0	1,1	1,3	2,0	1,1	1,1	1,9	1,9	1,9
<b>FEATURES</b>												
Loader ready frame <sup>2)</sup>	●	●	●	●	●	●	●	●	●	●	●	●
3 <sup>rd</sup> hydraulic function	●	●	●	●	●	●	●	●	●	●	●	●
MACH 2 <sup>®</sup> (for 3 <sup>rd</sup> function implement coupling)	○	○	●	●	●	●	●	●	●	●	●	●
4 <sup>th</sup> hydraulic function	-	-	○	○	○	○	○	○	○	○	○	○
MACH 2 <sup>®</sup> (for 4 <sup>th</sup> function implement coupling)	-	-	○	○	○	○	○	○	○	○	○	○
SHOCK ELIMINATOR <sup>®</sup> System	●	●	●	●	●	●	●	●	●	●	●	●
Electrical On / Off switch SHOCK ELIMINATOR <sup>®</sup>	○	○	○	○	○	○	○	○	○	○	○	○
MACH System <sup>®</sup>	●	●	●	●	●	●	●	●	●	●	●	●
FITLOCK 2+ System <sup>®</sup>	●	●	●	●	●	●	●	●	●	●	●	●
EURO QUICK ATTACH IMPLEMENT CARRIER	●	●	●	●	●	●	●	●	●	●	●	●
MX QUICK ATTACH IMPLEMENT CARRIER	○	○	○	○	○	○	○	○	○	○	○	○
OTHER QUICK OPTIONS: MX – EURO, EURO – SMS, MX – FAUCHEUX WHITE, EURO – TENIAS, EURO – SIGMA 4	-	-	○	○	○	○	○	○	○	○	○	○
FAST-LOCK System <sup>®</sup> (for EURO or MX QUICK ATTACH)	-	-	○	○	○	○	○	○	○	○	○	○
AUTO-UNLOAD System <sup>®</sup>	-	-	○	○	○	○	○	○	○	○	○	○
PCH SYSTEM <sup>®</sup> - Hydraulic self-levelling system	-	-	○	○	○	○	○	○	●	●	●	●
Mechanic self-levelling (MSL)	●	●	-	-	-	-	-	-	-	-	-	-



<sup>1)</sup> According to ASABE S301.5

<sup>2)</sup> Factory installed or with front loader option for dealer installation

● Standard ○ Optional - Not available



     
caseih.com

 Free phone: 00 800 22 73 44 00

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.

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