

# STEIGER & QUADTRAC



MACHINE  
OF THE YEAR 2014



**CASE II**  
AGRICULTURE





# STEIGER QUADTRAC

## PUT A MASTER OF PRODUCTIVITY IN YOUR FIELD

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Your life is all about growing things: it's what you do. Crops, livestock, your business, your family. Steiger and Quadtrac tractors are designed to help with challenges that brings, so you're perfectly prepared to tackle every job, in complete comfort, whatever the conditions, enabling you to get more done with your day. Case IH is committed to helping you maximize the things that matter – your yield potential, your return on investment, the time you can spend at home rather than at work.

### BEING A STEP AHEAD

There may be imitators, but there's no equal to Steiger and Quadtrac tractors. The strength of Steiger wheeled machines and the exclusive and advanced design of the Quadtrac set Case IH apart in the high-horsepower sector. Our engineering advances behind each new generation of Steiger and Quadtrac tractors place ever greater emphasis on the unceasing challenges of soil compaction and damage, narrower working windows and unpredictable weather conditions, without losing sight of the need for power and productivity. And with Quadtrac in particular, features such as four independently-powered tracks, articulated steering and tri-point oscillation mean you can get into your fields sooner and stay longer than others.

### THE NEW GENERATION

The latest Quadtrac and Steiger series sets new standards of productivity, reliability and comfort, exceeding by far the expectations of the most demanding professional farmers. The new line-up reaches new heights of productivity by blending optimal technical characteristics with a superb operator interface in the form of the best cab and controls available. And with the Steiger and Quadtrac 620 Case IH offers the most powerful tractor currently on the market, producing a rated power of 628 hp, and delivering a massive maximum power output of 692 hp.

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# A POWERFUL HERITAGE A STORY OF SUCCESS

The Steiger story can be traced back more than half a century to 1963, when farming brothers Douglas and Maurice built their first articulated four-wheel drive tractor in a barn on the Steiger family farm in Minnesota, USA. The powerful 238hp tractor soon gained the attention of neighbours, and before long the Steiger brothers were building tractors to order. Six years later production was moved to a dedicated facility in Fargo, North Dakota, where Steigers are still made today. In 1996 came arguably the biggest revolution yet in the articulated tractor sector, when Case IH pioneered the four-tracked pivot-steer format with the launch of the Quadtrac. Since then the four-track system has been further developed and refined to create the tractor that continues to lead the high-hp tracked segment. Meanwhile, the same technology now benefits other Case IH products including the Axial-Flow combine and the Magnum Rowtrac rear-tracked tractor.

## 1958

John Steiger and sons Douglas and Maurice build the first Steiger tractor in a barn on their Minnesota farm. At 238hp, it's the first articulated four-wheel drive tractor with a power output of more than 200hp.

## 1963

Such is the demand from neighbours for similar machines that the Steiger family decides to begin commercial tractor production. Steiger brand tractors are painted in a distinctive light green.



## 1982

The Steiger Panther 1000 tractor is introduced. It is the first model to have a 12-speed full powershift transmission, electronic controls, a new deluxe cab and pressure flow compensating hydraulics.



## 1986

Following the worldwide recession of the early 1980s, the Steiger plant is operating at only 25 per cent capacity. Steiger Inc and its Fargo factory are purchased by Tenneco Inc, then the parent company of Case IH.



## 1988

The distinctive Steiger lime green livery is changed for the equally famous red of Case IH, with the launch of a new range of 9100 series tractors from Fargo.



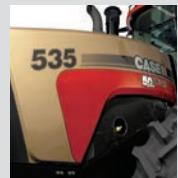
## 1996

The Steiger Quadtrac, the world's first articulated high-hp tractor with rubber tracks in place of wheels, is introduced, with a single 360 hp model.



## 2008

Case IH introduces Gold Signature Edition models to celebrate the 50th anniversary of Steiger tractors.



## 2010

The new Steiger / Quadtrac Efficient Power models are introduced. Fulfilling the Stage IIB emissions levels, it is a significant step to cleaner emissions and better fuel efficiency.



## 2014

The World's strongest serial tractor Quadtrac is the Machine of the year 2014.







# LEADING THE INDUSTRY **YOUR BENEFITS** AT A GLANCE

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## LESS SOIL DAMAGE.

ENHANCED TRACTION. REDUCED SLIPPAGE. GREATER FLOTATION. The Steiger Quadtrac incorporates numerous features designed to put immense power to work without minimal effects on the status and structure of your most valuable resource – your soil.

- Four independent tracks place the tractor's weight evenly over the ground whether the machine is at work or simply travelling.
- When the weather is against you and working windows are seemingly shrinking by the minute, you'll be reassured to have the power to hand to pull the biggest, most efficient implements without a problem.
- The articulated arrangement of a Quadtrac allows for full power turns without the soil ridging often caused when tightly turning with differential steering.



## REDUCED SOIL COMPACTION.

EVEN WEIGHT DISTRIBUTION. CONSTANT GROUND CONTACT. SOIL PRESERVATION. IMPROVED PLANT GROWTH. Compacted soil reduces the number of pore spaces in the soil, and as a consequence cuts its ability to hold water, limits the movement of oxygen and nutrients, and hinders root growth. Steiger and Quadtrac tractors are designed from the outset to allow power and weight to be fully exploited, but in such a way that they are used in the right manner – to care for the soil and not compact it.

- Weight is more evenly and efficiently distributed over the soil courtesy of the four-track system.
- The axle design puts the power to all four corners.
- The individually-driven, oscillating tracks result in excellent ground contact at all times.

### **GET ON THE GROUND EARLIER.**

CASE IH QUADTRAC DESIGN GETS YOU MOVING WHILE OTHERS ARE STILL BACK AT BASE. Unpredictable weather conditions and new farming techniques alike are changing the agricultural landscape and the working conditions farms have to deal with. But with a Case IH Quadtrac in your fleet, four independent tracks, articulated steering and three-point oscillation all help to distribute power evenly to all four corners, aiding traction in the sort of soft and slippery soil conditions which can leave other tracked tractors scrabbling for grip. And all while causing minimal soil damage, protecting the soil for next season and beyond. Get earlier into the field and work longer than all the others - that's a clear advantage.



### **INDUSTRY LEADING.**

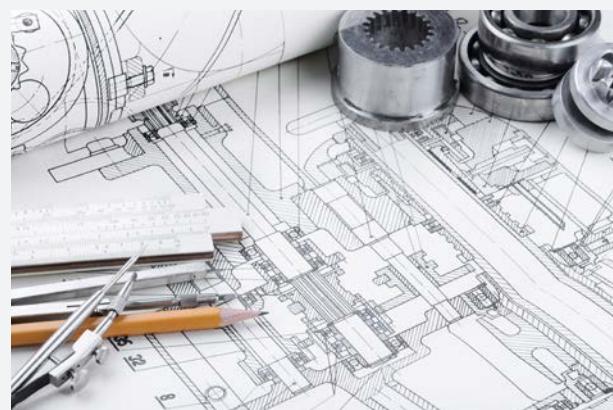
MEETING THE NEW DEMANDS OF FARMING WITH THE HIGHEST POWER AND COMFORT STANDARDS. With maximum power outputs of up to 692 hp, the Steiger and Quadtrac series sets new standards of productivity, offering the ability to cover large areas in peak season, and the ruggedness to operate every hour of every day. But Case IH has always recognised to need to support its machines' ability with an operator package to match.

- Steiger and Quadtrac cabs are engineered for superb comfort and intuitive operation.
- SCR technology not only keeps emissions levels within Stage IIIB rules, but also brings about a significant fuel use reduction.
- The latest FPT engines in the current Case IH Steiger/Quadtrac range continue our commitment to this success of this simple technology, with the latest Hi-eSCR system helping bring about impressive fuel consumption figures and equally impressive low running costs.



### **ROBUST AND DURABLE DESIGN.**

BUILT WITH THE STRENGTH TO MEET THE TOUGHEST TASKS AND THE GREATEST DEMANDS. Since their inception, Steiger and Quadtrac tractors have been recognised as some of the most rugged available. Robustness and durability continue to be the bedrock of the design to this day, and are the foundation upon which the latest line of models is built. These are tractors made for the hardest of hard work, pulling wide, deep-working, power-hungry implements with ease. When asked, they will do so every hour of every day without missing a beat. Features such as tri-point oscillation, a chassis re-engineered to match the greater power of the latest models and keep rubber to the ground, and track units with self-adjusting tensioning which are designed to minimize road wear ensure that every drop of fuel works to give you a return.



# LARGE SCALE PRODUCTION

The most powerful tractors currently on the market, the latest Case IH Quadtrac and Steiger models produce some of the market's most impressive power and fuel economy figures, aided by the latest HI-eSCR emissions technology. But power is nothing without precision, and Case IH ensures the operator is able to control these tractors with the ultimate precision, courtesy of cabs that set new standards in comfort and operation. The result is machines that are the masters of productivity where high-output farming is concerned, the sort every large farm needs in its fields.



## BIG ON COMFORT

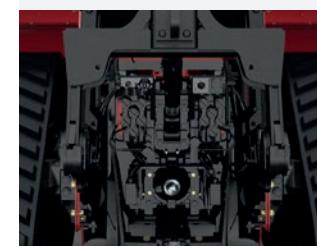
Quadtrac and Steiger tractors benefit from the biggest cab in the industry, with the best all-round visibility on the market. Cab and seat suspension systems combine to provide a luxuriously smooth ride, and comfort can be further enhanced with a new ventilated seat option. Noise levels are extremely low, making long operating periods a pleasure, while electronic climate control ensures the perfect working environment.



## EVERYTHING UNDER CONTROL

The Multicontroller armrest puts all the controls at your fingertips, with larger backlit buttons making operation easy and comfortable. The Integrated Control Panel provides at a glance all the information the operator requires, while the AFS Pro 700 screen integrates systems including AccuGuide auto-steering, ISOBUS implement operation and performance monitoring.





### HI-eSCR ONLY - NO COMPROMISE

Delivering the highest power output in their class, Case IH Steiger and Quadtrac tractors are powered by a high pressure common rail 12.9-litre FPT engine featuring a two-stage turbo and newly-developed cooling system. Stage IV emission standards are met by way of HI-eSCR technology, without the use of a particle filter, a proven technology that delivers high levels of power and fuel economy with no compromise.

### SMOOTH OPERATOR

The dependable Steiger/Quadtrac full powershift transmission's smooth shifting makes light work of a long day in the field, while on the road the 16 x 2 transmission is capable of a 37 kph. Automatic Productivity Management makes driving a Quadtrac or Steiger extremely easy, allowing the operator to alter target speed simply via the Multicontroller-integrated scroll wheel, just like on a CVX tractor. Everything on these tractors is designed to maximise your comfort and productivity.

### SIMPLY EFFICIENT

The parallel priority Pressure Flow Compensating (PFC) circuit delivers exactly the flow and pressure required by the application, without waste. The powerful hydraulics system, with up to eight remote valves, offers different options that deliver a maximum flow ranging from 159 lpm to 428 lpm. A centre-pull drawbar is connected to the main articulation joint to deliver full pulling power, while the PTO, which achieves 1000 rpm at an engine speed of 2000 rpm, is available for powered implement applications.

### NIMBLE IN YOUR FIELD

The independent four-track design delivers maximum traction with minimum soil compaction, using a proven design which eliminates slippage between drive wheel and track because the positive drive is continuous in all conditions. The four tracks work together, delivering more power to move the tractor forward. On the road, the advanced design of the tracks provides a smooth, quiet drive without vibrations. In spite of the tractors' size, turning radius is an amazingly tight 4.20 m, even with dual wheels.

### DESIGNED FOR PRECISION FARMING

You can depend on the factory-installed AFS AccuGuide™ auto guidance system to help you achieve unprecedented levels of productivity in your fields. Installing it in the factory means that it's fitted correctly and extensively tested. You can choose from a full range of guidance solutions offering accuracy levels of up to 2.5 cm. And to maximize your efficiency, the Xfill option keeps you on track if the signal drops for a short time.





# COMFORT & SIMPLICITY WORKING WITH THE BEST

## INDUSTRY LEADING - THE CASE IH SURVEYOR CAB

Case IH makes the comfort of the operator's environment a priority to ensure the highest productivity. The industry-leading Case IH Surveyor cab incorporates both cab and seat suspension systems for excellent ride comfort in all conditions. Meanwhile, the Case IH Multicontroller armrest puts all key controls at the operator's fingertips, maximising precision in tractor and implement control. Innovative technology such as Automatic Productivity Management (APM) are integrated seamlessly into the tractors, allowing settings to be optimised to the task in hand, while the Case IH Advanced Farming System (AFS) provides the architecture for fully automated precision farming. It's an operator environment that works with you to put tractor control at your fingertips in all field and road conditions.



### A SEAT FIT FOR A KING

The standard seat is among the best on the market, but the optional leather seat with active suspension and heating and ventilation provides even greater levels of luxury, for the sort of luxurious ride you might only expect from a premium car. Steiger/Quadtrac passengers also ride in comfort, with a fold-down seat also available in red leather that features a backrest and homologated safety belt.

### ADJUSTABLE TO YOUR DRIVING POSITION.

The steering wheel can be tilted and height adjusted for the ideal no-strain driving position, while the luxury swivel seat forms a single unit with the controls and monitor incorporated into the Multicontroller armrest, which moves up and down and rotates with the operator as the seat is swivelled. The exclusive, industry-leading 40-degree right-hand swivel seat provides a 180-degree full field of vision that keeps the operator from having to strain to see all that's behind the tractor. Meanwhile, the overall cab climate can be altered according to requirements via the controls in the upper right roof console.







# INTUITIVE OPERATION EVERYTHING UNDER CONTROL

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## 1 A-POST INSTRUMENT DISPLAY

Info displays are clear, concise and easy to read. The integrated performance monitor provides additional feedback on tractor systems status, wheelslip percentage, area worked and service reminders. The driver is also alerted of any engine issues, with the tractor shutting down automatically to protect your investment if necessary.

## 2 PRECISION COMPONENTS THAT MATCH THE WAY YOU FARM.

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

## 3 MULTICONTROLLER™ DRIVE LOGIC ARMREST

Three key armrest items put all of the tractor's functions at your fingertips: the Multicontroller, with its Drive Logic features, the Intuitive Control Panel (ICP) and the Advanced Farming System AFS Pro 700™ touch screen monitor. Here is everything 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 from day one.



### EVERY VITAL TRACTOR OPERATION. ONE SIMPLE CONTROLLER.

Adjust your speed, gears and direction, and much more, without even raising your elbow. The Case IH Multicontroller puts 85% of the controls operators use most at your fingertips. Guided by customer input, Case IH engineers upgraded the Multicontroller with new larger, raised, backlit buttons with a distinct touch and different sizes. You can tell them apart by touch alone, to make switching between functions even simpler.

# STAY ALERT ALL DAY



## SEE ALL AROUND YOU.

Take your pick of lighting packages, including standard halogen and optional High-Intensity-Discharge (HID) lighting technology. For maximum illumination, opt for the 360° work lamp package with four HID trapezoidal lights mounted on the cab roof. Additional rear lighting is also available to improve versatility during work, as are helpful lights for exiting the tractor in the dark.



## CRUISE THROUGH LONG DAYS: THE INDUSTRY'S FIRST SUSPENDED CAB.

Case IH four-point cab suspension stabilizes front-to-back, side-to-side and up-and-down motions and gives the operator a smooth ride regardless of terrain, via shock-absorbing components at each corner of the cab. A combination of springs, dampers and mounts fully isolates the cab from chassis-created vibrations. Standard on Quadtrac and optional on wheeled models.,





# ENGINE AND TRANSMISSION **WORKING IN HARMONY** TO KEEP YOUR COSTS DOWN

We know that investment in a Steiger or Quadtrac isn't a decision taken lightly. That's why every feature we engineer into these tractors is designed to help keep your costs to a minimum. It begins with engine and transmission technology that ensures these two key elements interact with a precision that guarantees efficient operation whatever the job. All Case IH high-horsepower engines use common rail fuel injection systems for quieter, more efficient operation, and are built heavier than competitive engines with higher displacement. At the top of the line, the built-in 10 per cent power growth capability gives the Steiger 620 a peak power output of 682 hp in difficult conditions – like when the tractor needs a little extra muscle to get through a tough spot.

## **SCR. THE RIGHT SOLUTION, RIGHT FROM THE START**

Since 2006, the largest Steiger and Quadtrac tractors have been powered by Case IH 12.9-litre engines built by our engine partner FPT Industrial. Proven to power these machines through the toughest field conditions, these no-nonsense engines are now Stage IV compliant, thanks to fuel-saving, easy-to-maintain Case IH SCR-only emissions technology. The Stage IV HI-eSCR system is fundamentally similar to FPT's existing, well-established and proven technology, with a small number of new components added to meet these latest emission standards. These improve system monitoring, NOx conversion and control of exhaust temperatures in cold applications.

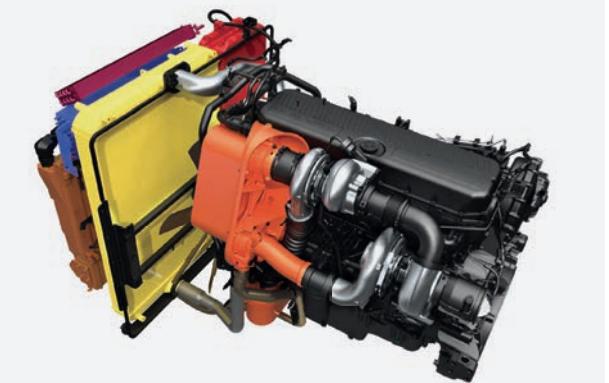


## **DEPENDABLE, DURABLE: TRANSMISSIONS DO MORE THAN SHIFT GEARS**

The 16-speed, full powershift Steiger transmission shifts smoothly for high efficiency, low wear and reduced fatigue at the end of a long day in the field. Pulse-width modulation provides the smoothest possible shifts under load. The Case IH Diesel Saver™ Automatic Productivity Management (APM) system also helps the tractor save fuel and make easier, more positive shifts by maintaining constant clutch pressure. The Case IH transmission also features larger, helical-cut gears and clutch packs that deliver years of service while transmitting up to 682 peak hp to the ground to cut large-scale farming operations down to size.



**YOUR  
ADVANTAGE:**  
optional engine brake  
simple and proven SCR  
only system



The Steiger 540, 580 and 620 models feature a low-pressure, cooling circuit system that provides increased power along with fuel efficiency. The two-stage turbocharger system includes a small turbocharger that delivers low-RPM responsiveness and a second, larger one for maximum boost at high RPMs. Each turbocharger has its own cooling system to provide 30 percent faster response under load. Front fold down coolers are designed for easy cleaning.



Electronically controlled engines ensure peak power growth at low fuel consumption. If engine rpm drops under load, Engine Power Management unleashes up to 62 more horsepower.



# PRECISION POWER PLACEMENT

Steiger and Quadtrac series tractors are designed to operate the widest implements with ease. Even weight and pressure distribution limits the impact of heavy equipment. To meet today's demanding farming, Case IH has invested heavily in designing Steiger and Quadtrac tractors that tread your soil as delicately as possible.

## **EXCLUSIVE QUADTRAC AXLE DESIGN PROTECTS YOUR VALUABLE LAND**

Axle loads of less than 10 tonnes/axle can keep compaction within the top few cm of the soil. Poorly-designed heavy equipment can cause deep compaction, resulting over time in permanent yield reduction, but even weight distribution helps to minimize ground pressure, while adding more axles reduces the effect of soil compaction.

Each Quadtrac track uses five independent axles (two idler and three roller wheels) helping to better distribute the axle loads of increasingly larger equipment. This results in even distribution of the load placed upon the tractor, and helps create a complete footprint of 5.6 m<sup>2</sup>.

All models can be equipped with a differential lock which disengages automatically according to steering angle, or at speeds exceeding 18.5 kph. Re-engagement is automatic once the tractor steering has been straightened. The result? The best blend of articulated steering and outstanding pulling power.

## **TYRE AND BALLASTING OPTIONS CUT COMPACTION AND SLIP**

Steiger tractors can be specified with a wide range of tyre options. These range from conventional types for maximum traction to IF tyres with flexing sidewalls that can be used at lower inflation pressures to reduce footprint and ground pressure. Proper weighting and ballasting is essential to maximize grip while minimize soil compaction, and a wide range of ballast and weights is available to suit the needs of your operation.

## **AXLES BUILT FOR COVERING BIG AREAS**

Steiger tractors feature massive axles that can carry up to 30,000kg of gross vehicle-operating weight. That's the most weight any tractor out there can handle. And it means your Steiger tractor can work with the largest implements available and cover more land in a day. Quadtrac configurations employ an immense, flange-type axle that generates the torque needed for unbeatable traction capabilities.



The operation of the control valves are easily handled through the Joystick and is standard on tractors ordered with 8 valves.



# HANDLE YOUR BIGGEST EQUIPMENT

## IMPLEMENT POWER TO HELP MAXIMISE PRODUCTIVITY

Up to 428 litres per minute flowing into up to eight hydraulic remote valves, and up to 9071 kg of hitch lift capacity. That's the power provided by a Steiger or Quadtrac tractor: enough hydraulic flow for even the biggest planters and air seeders in the industry. Steiger tractors use a second hydraulic pump to provide exactly the required oil flow to each of eight remote valves. Electronic precision-controlled quick-connect valves make operation even more efficient by maintaining precise flow and pressure, even in the most severe conditions. Set the system how you want, and it adjusts for changing temperature conditions through the day.

## DELIVERING EXACTLY WHAT YOU NEED: THAT'S EFFICIENCY

Steiger/Quadtrac series hydraulics use the latest technology to provide operation that's efficient, user friendly and efficient. That efficiency starts with the parallel priority Pressure Flow Compensating (PFC) circuit, which delivers only the flow and pressure required by the application. These tractors can be specified with four to eight remote valves according to model, while the optional PTO, which achieves 1000 rpm at an engine speed of 2000 rpm, delivers full power where you need it.

# TOP-SPEC CHASSIS

Big-build Steiger and Quadtrac series tractors have a hard-won, long-held reputation as the toughest in the business. They are designed to power across the land leaving barely a footprint, yet pulling the widest of implements for the fewest passes and the minimum of time in the field. A large footprint and a long wheelbase help to maximize output and minimize soil smearing and compaction.

## HEAVY-DUTY FRAME FOR THE HIGHEST DEMANDS

Steiger tractors have long featured a frame built of 13mm-thick steel and a long wheelbase with built-in weight for better traction to fulfil any task's demands. But we don't stop there. Every element of Steiger and Quadtrac tractors is built with extra strength in mind, right down to details such as steel rather than plastic fuel tanks.

## THREE BASIC CHASSIS SIZES FOR THE CONFIGURATION TO SUIT YOUR OPERATION

Two chassis sizes: 2.55 m wide with 710 tyres or 2.70 m wide with 800 tyres

Quadtrac chassis: under 3 m overall width

MODEL	FRAME WIDTH (mm)	WHEELBASE (mm)
Quadtrac	1,116	3,912
Steiger 500 to 620	1,116	3,911
Steiger 370 to 470	929	3,759



2 chassis sizes: Small chassis below 2,55 m with 710 or below 2,70 m with 800



One chassis for the Quadtrac models - below 3 m total width

# TRI-POINT OSCILLATION A STEP AHEAD

## THE STEIGER CHASSIS: PATENTED DESIGN WITH TRI-POINT OSCILLATION

The centre section of the Steiger chassis features a large top link that extends from the front frame to the very back of the rear frame to transfer dynamic loads more efficiently. On tractors equipped with three point hitches the top link attaches directly in front of the hitch to handle high dynamic loads. This type of tri-point oscillation chassis design provides greater pulling power when compared with pulling a load through a gudgeon bearing.

That brings with it a number of benefits:

- Load stress is distributed through to the front frame
- Durability, strength and stability are greater than alternative designs
- Traction is increased traction, and slip reduced
- Ground contact is retained at all times
- Oscillation of 26° is provided both upwards and downwards



The Steiger chassis is a patented design which uses Tri Point Oscillation – load stress is distributed evenly for more durability, strength and stability. Center Pull drawbar: the drawbar is directly connected to the main articulation joint – this provides superior traction



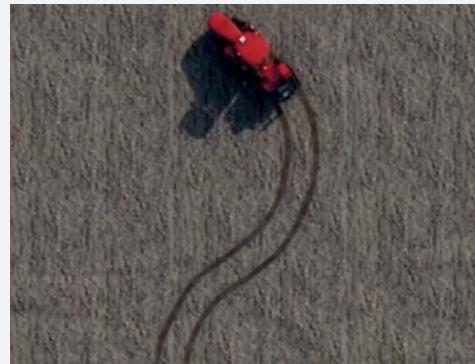
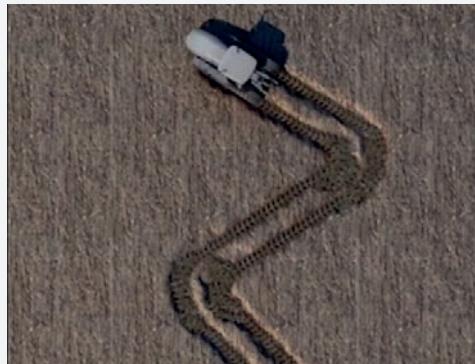
26° up and down oscillation

# NO SMEARING **NO RIDGING** BENEFIT FROM ARTICULATED STEERING

## THE MOST POWERFUL TRACTORS AVAILABLE ARE ALSO EASY TO STEER.

Whether tracked or wheeled, these tractors steer in exactly the same way. True articulated pivot steering means no skid turns, and all four corners of the tractor remain on the ground, with equal torque transferred during turning. They manoeuvre under load with no loss of traction, unlike twin-track systems that disrupt power transfer during turning. Plus, Quadtrac steering remains easy and positive under all conditions.

- Quadtrac can steer under full load and maintain pulling power.
- Hydraulically activated differential lock automatic is standard.
- With the diff lock engaged, the wheels or tracks are locked together, eliminating slippage between the left and right hand side of the tractor in wet or slippery conditions.
- Full articulation angle of 42° even with duals mounted.



The articulated steering and the Tri-Point Oscillation delivers good power and torque to all 4 corners of the tractor. In comparison to a 2-track-system, the 4-track-system steers under full loads minimizing soil disturbance when turning.



Swinging ladder provides full maneuverability



Turning circle of 5,7m



# THE EXCLUSIVE QUADTRAC DESIGN

Case IH Quadtrac models have set the industry standard for tracked-tractor performance in every category, ranging from superior ride comfort to efficient steering performance under load. The Quadtrac's four individually driven oscillating tracks, articulated steering and other innovative designs are the backing behind that claim. Optimal ground pressure, superior flotation and better traction – all this and reduced compaction too. It's an engineering advancement that offers versatility and maximum productivity. Quadtrac stands above anything else you could use to work your land..

## FOLLOWING THE CONTOURS

Each track pivots independently up and down by 10°, allowing it to follow the ground contours. Each track has five wheels – two idlers and three rollers – which distribute the axle weight across the area of track in contact with the ground.

## POSITIVE DRIVE MEANS DURABILITY AND RELIABILITY

These tractors deliver more usable power you can depend on because of the exclusive Quadtrac positive-drive design. Lugs that interlock with bars on the wheel eliminate slippage between the drive wheel and the track – a positive drive is continuous at all times, even in a wet or slippery spot. Tension adjusts automatically under transport or light loads, which reduces wear, friction and heat, and increases durability.



## BALANCE THAT'S SUPERIOR TO ANY TWIN-TRACK SYSTEM

The four tracks of a Quadtrac distribute weight more evenly and efficiently than two-track systems, limiting compaction. This leads to numerous other benefits, including better flotation, traction and easier transport. That's because in each track unit the load is distributed evenly across the length of each track, even when the tractor is at work and additional load is being placed on the rear tracks. On tractors with twin-track systems weight is transferred abruptly from the front to the back of the tractor when the implement is put into work and the tractor begins to pull it, lifting the front off the ground and creating problems with weight distribution and traction. Quadtrac eliminates this with a more efficient, productive design.









AFS™

# ADVANCED FARMING SYSTEMS

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 2.5 cm, reduce overlaps and cut input costs – and maximize your yield potential.

#### **ADVANCED VEHICLE CONTROL.**

If it's interactive vehicle set-up and control you need then look no further than the AFS Pro touch screens: monitor yield, fuel usage and work rates, connect external cameras, keep job records and manage ISOBUS implements. The AFS Pro touch screens are interactive, fully customizable and portable between your Case IH fleet.

#### **VEHICLE GUIDANCE SOLUTIONS.**

If it's a guidance system you are looking for, we have simple 'plug and play' lightbar steering kits through to fully automated and integrated AccuGuide solutions. The accuracy you need depends on your requirements. With range topping RTK systems you can be pass-perfect down to 2.5 cm. The xFill option can bridge RTK signal gaps of up to 20 minutes.

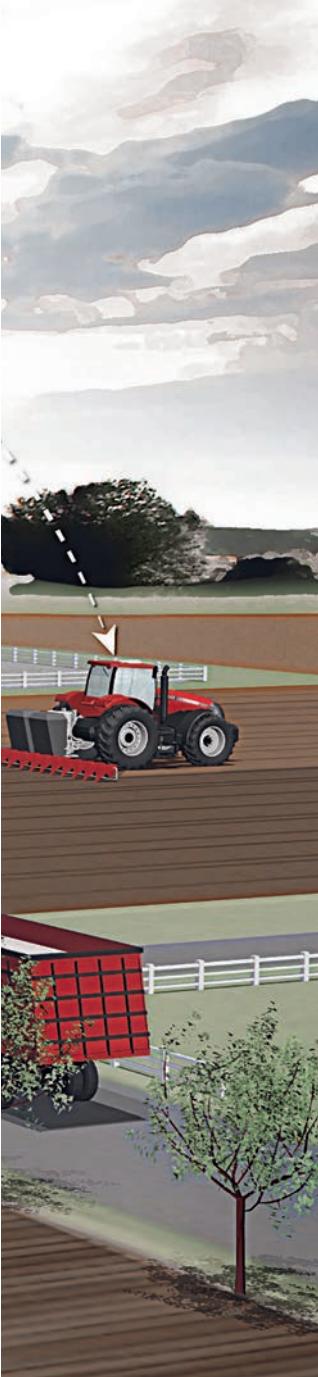
#### **AFS FARM MANAGEMENT SOFTWARE**

Many variables apply in farming; the key is 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, field by field, the tasks performed, 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 farm owners and managers to monitor and manage their machinery from the farm office, tracking machines in real time on the farm computer to observe how they are performing, through the use of precision guidance GPS signals and wireless data networks. Analysing the data it provides helps to improve logistics, minimise fuel consumption and maximise performance.





# MONITOR PERFORMANCE, MAXIMIZE UPTIME **INCREASE INCOME**

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Case IH AFS Connect™ telematics uses global positioning systems and mobile communication technology to send and receive machine, agronomic and job-site information. Telematics technology allows you to know more – on the whereabouts, status and settings of your machines – even from your office desk, thus helping to improve the productivity of your business with up-to-the-minute information. Case IH AFS Connect™ telematics is the clever way to maximise your return on investment.

## BE MASTER OF YOUR FLEET

Fleet management allows you to track all of your machines and, by extension, your team, from a single web page. You can:

- Accurately pinpoint the exact location of a given machine.
- Coordinate machine logistics
- Efficiently support your staff
- Manage maintenance
- Fill and empty machines on time
- Keep your people productive and your machines running smoothly



## SECURITY AND ASSET TRACKING

Protect your investment and streamline maintenance by using the AFS Connect Basic™ alerts and anti-theft system (where available). Geo-fencing ensures that your machine stays within certain coordinates preset by you, and curfew management sends an alert if a machine is started after working hours.

## COMPATIBILITY

Case IH AFS Connect Basic™ is compatible with your existing precision farming systems, so your local Case IH dealer can retrofit it on fleets of both Case IH and competitive equipment. Deploy it with:

- Any equipment using the standard ISOBUS protocol
- Case IH AFS Pro displays
- A Case IH DCM-300 modem that you may already own for mobile communication-based differential correction.

## DIAGNOSIS AND DEALER SERVICE VIA MOBILE COMMUNICATION

There is no need to take your Case IH AFS Connect Basic™ to your dealer for diagnosis or support as the system can be serviced via mobile communications units based on Android and iOS systems software.

# AFS CONNECT™ ANALYSE PERFORMANCE IN REAL-TIME

Telematics data provided by AFS Connect™ are transferred to your farm computer in real-time, enabling you to provide instant advice and directions whenever you see the need to make immediate operating adjustments. For different demands and personal preferences, Case IH AFS Connect™ is available in two specification levels:

The AFS Connect Basic offers fleet management capabilities, machine location tracking and a working status overview. Knowing exactly where your tractor or combine is – in which field and in which part of that field – allows you to guide trailers or fuel supplies exactly to the right spot. No time is wasted whilst the efficiency of man and machine is kept at their maximum. With the AFS Connect™ Manager, you can be alerted when your machine leaves a designated area. In addition to security benefits, this also allows you to guide operators to preferred routes and instructed areas – particularly helpful for inexperienced staff or contract services.

The AFS Connect Advanced package includes all features and abilities of the AFS Connect Basic plus various other helpful management and analysis possibilities:

- Compare data from different machines and identify areas of possible improvement where one machine is performing better than the other.
- Having operating data instantly at hand, as well as access to performance and set-up figures from previous working periods for the same or similar machines, provides aid for new or inexperienced operators and enables them to quickly increase their efficiency.
- AFS Connect messaging allows farm owners and managers, as well as Case IH dealer technicians, to send advice directly to the machine's display – so operators can improve their performance on the move.

## ACCURATE MEASUREMENT, ASTUTE MANAGEMENT

If you can't measure, you can't manage. With Case IH AFS Connect™, all operating figures from your key machines are at your fingertips, enabling you to make your management decisions on the basis of accurate data. AFS Connect™ allows for the analysis and reduction of machine idle operating hours or unloading times, thus enabling you to minimise fuel consumption and maximise performance for optimum productivity. Data on engine power, fuel use, productivity and output are also recorded and transferred in report format directly to the computer on your farm desk. These reports can be exported in Microsoft Excel format, and the information can be filtered by field, operator or task. Statistic work reports for all relevant machines and their operators allow for comparisons of performance and efficiency, thus providing clear starting points for potential improvements.





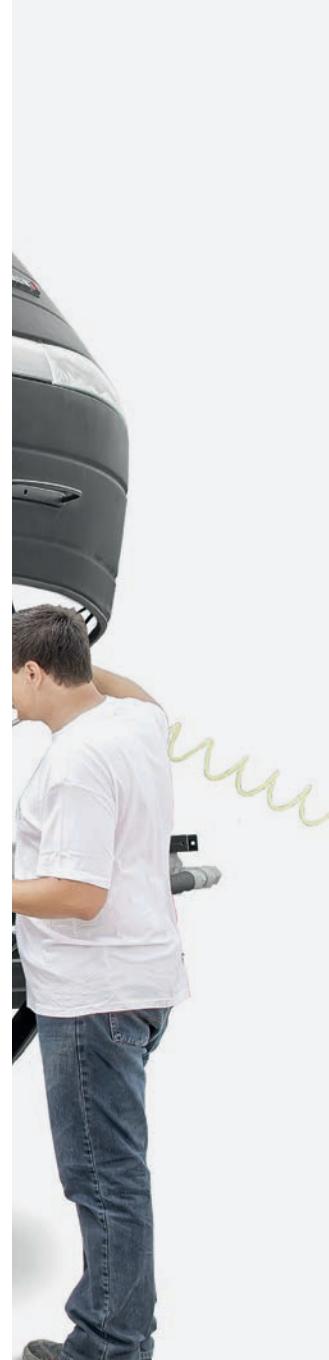
#### AFS CONNECT BASIC FEATURES

- **Fleet Management**, including vehicle mapping, historic breadcrumbing
- **Machine Monitoring**, including geofence/curfew settings, motion detection for the last five days after last key-off
- **Maintenance**, including maintenance-due alerts
- **One-Minute Update Rate**, or when status change occurs including reporting of key on/off, idle time and workload.
- **Machine Status**, including reporting of traveling, engine hours, moving, working and moving, moving and unloading, unloading and working, unloading and moving, unloading
- **Dashboard Graphic Interface** of key vehicle parameters on supported platforms, such as engine speed and oil temperature, coolant temperature and level, hydraulic oil temperature and pressure, fuel level, DEF level, battery voltage
- **Live Time** provides 30 minutes on the dashboard

#### AFS CONNECT ADVANCED FEATURES

- **CAN Viewer** lets you watch machine parameters remotely in real time.
- **2-Way Messaging** from the web portal to the vehicle, with a predefined set of potential operator responses
- **Graphic Reports** showing area worked, yield average, flow average, moisture average, weight, fuel level
- **Live Time** provides 30 additional minutes through the CAN Viewer which gives you a deeper dive into machine performance data – per modem, per day, not pooled in any way
- **Cellular Network Coverage**, with multiple providers per country for best coverage. Roaming SIM Card and data plan included in AFS Connect subscription works global.





# LESS TIME IN THE YARD MORE TIME ON THE FIELD

## KEEP DRIVING!

When there's a busy day ahead of you, the last thing you want is to waste time on service tasks. When you run a Steiger or Quadtrac 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. You'll be out of the yard and onto the land in no time.

## MAXIMUM UPTIME, MINIMUM SERVICE COSTS

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.



### CONVENIENT ACCESS

New steps and handrails on right hand side for stability when accessing windows, mirrors and AFS receiver.



### QUICK AND EASY CLEANING

Radiators can be folded out for cleaning purposes.



### EASY ACCESS TO SERVICE POINTS

The one-piece engine bonnet is lifted by two gas-filled struts 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 ground level and the fuel-cap is lockable.





# 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.



00800 227344 00 • 00800 CASE IH 00

## AROUND THE CLOCK. 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.



## AN OPTIMAL FINANCING SOLUTION FOR EVERY INVESTMENT

CNH Industrial Capital is the financing company for Case IH. Our employees are financial experts and have many years of experience in agriculture. We do not only know about Case IH products and the market, we also understand the individual requirements of your operations. Therefore we are always able to offer you a financial solution for your new investments that is tailored specifically to your operational requirements and respective machine usage in the form of loans, rent or leasing. Our most important goal is improving the profitability of your investments! Therefore you can combine every CNH Industrial Capital Financing with Capital accident and breakdown cover, as machine breakdown or repair insurance, in order to exclude risks to your investment and ensure greater planning reliability.



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**WWW.CASEIH.COM**

MODELS	STEIGER 370	STEIGER 420	STEIGER 470	STEIGER 500	STEIGER 540	STEIGER 580	STEIGER 620
<b>ENGINE</b>							
Type	FPT Cursor 9				FPT Cursor 13		
Number of cylinder / number of turbochargers		6 / Single Stage Turbo				6 / Two Stage Turbo	
Emission level				Stage IV			
Capacity (l)	8.7			12.9			
After treatment			Hi-eSCR - high efficiency SCR system				
Rated power ECE R120 2) [kW/hp(CV)]	276 / 375	313 / 425	350 / 476	373 / 507	399 / 543	433 / 589	462 / 628
Rated power ECE R120 2) Power Management [kW/hp(CV)]	304 / 413	343 / 466	380 / 517	403 / 548	440 / 598	463 / 630	492 / 669
Rated engine speed (rpm)	2,000			2,100			
Maximum power ECE R120 2) [kW/hp(CV)]	302 / 410	345 / 469	386 / 525	410 / 558	451 / 613	476 / 647	509 / 692
Maximum power ECE R120 2) Power Management [kW/hp(CV)]	320 / 435	345 / 469	386 / 525	410 / 558	451 / 613	476 / 647	509 / 692
... at engine speed (rpm)	1,800			1,900			
Maximum torque (Nm @ 1400rpm)	1,845	1,992	2,229	2,374	2,540	2,757	2,941
Torque rise (%)	40	40	40	40	40	40	40
Fuel tank, diesel/urea (litres)	870 / 159	1,230 / 159	1,230 / 159	1,230 / 250	1,230 / 250	1,816 / 250	1,816 / 250
<b>CHASSIS</b>							
Type		standard Chassis				high horsepower Chassis	
<b>TRANSMISSION</b>							
Type			16F/2R Powershift				
Powershuttle			Std.				
<b>AXLES</b>							
Axle drive and gear arrangement		4 planet			Compound, 3 planet		
Axle diameter	5"		4,5"			5,5"	
Axle diff-lock type			Multi disc wet plate with independant front/rear control				
<b>POWER TAKE OFF</b>							
Type			Live independent system integral with transmission				
Speed Option			1,000				
Engine speed (rpm)			1,800				
Shaft type			1 3/4" shaft - 20 spline				
<b>HYDRAULIC SYSTEM</b>							
System type			Variable displacement, pressure and flow compensating (PFC)				
Max. pump flow (l/min)	151	159	159	159	159	159	159
Optional pumps max.pump flow High Flow/Twin Flow (l/min)	208 / 408	216 / 428	216 / 428	216 / 428	216 / 428	216 / 428	216 / 428
System pressure (bar)	210	210	210	210	210	210	210
No. of remote valves	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8
No. of remote valves with 3 point hitch	4 / 5	4 / 5	4 / 5	4 / 6	4 / 6	4 / 6	4 / 6
<b>THREE POINT HITCH</b>							
Lift Capacity (kg), through full range, 610mm behind ball ends		9071			8900		
Category type	Cat IV-N	Cat IV-N	Cat IV-N	Cat IV-N	Cat IV-N	Cat IV-N	Cat IV-N
<b>HEAVY DUTY DRAWBAR</b>							
Diameter of drawbar pin-high capacity (mm)	51	51	51	51	51	51	51
Max. permissible vertical load (kg)	4,983	4,983	4,983	4,983	4,983	4,983	4,983
<b>CLASS 5 DRAWBAR</b>							
Diameter of drawbar pin-high capacity (mm)	n/a	n/a	n/a	n/a	70	70	70
Max. permissible vertical load (kg)	n/a	n/a	n/a	n/a	6,804	6,804	6,804
<b>CLASS 5 DRAWBAR</b>							
Diameter of drawbar pin-high capacity (mm)	17,495	18,600	18,600	20,090	21,012	22,828	22,828
Max. permissible vertical load (kg)	22,450	22,450	22,450	25,401	25,401	29,940	29,940
<b>DIMENSIONS 1)</b>							
Total length (mm)	7,493	7,493	7,493	7,615	7,615	7,615	7,615
Total height (mm)	3,937	3,937	3,937	4,089	4,089	4,089	4,089
Total width (mm)2)	2,549	2,549	2,549	2,990	2,990	2,990	2,990
<b>TRACKS</b>							
Drive				-	-	-	-
Track width Standard / Option (cm)				-	-	-	-

MODELS	QUADTRAC 470	QUADTRAC 500	QUADTRAC 540	QUADTRAC 580	QUADTRAC 620
<b>ENGINE</b>					
Type			FPT Cursor 13		
Number of cylinder / number of turbochargers		6 / Single Stage Turbo		6 / Two Stage turbo	
Emission level			Stage IV		
Capacity (l)			12.9		
After treatment			Hi-eSCR - high efficiency SCR system		
Rated power ECE R120 2) [kW/hp(CV)]	350 / 476	373 / 507	399 / 543	433 / 589	462 / 628
Rated power ECE R120 2) Power Management [kW/hp(CV)]	380 / 517	403 / 548	440 / 598	463 / 630	492 / 669
Rated engine speed (rpm)			2,100		
Maximum power ECE R120 2) [kW/hp(CV)]	386 / 525	410 / 558	451 / 613	476 / 647	509 / 692
Maximum power ECE R120 2) Power Management [kW/hp(CV)]	386 / 525	410 / 558	451 / 613	476 / 647	509 / 692
... at engine speed (rpm)			1,900		
Maximum torque (Nm @ 1400rpm)	1,845	1,992	2,229	2,374	2,540
Torque rise (%)	40	40	40	40	40
Fuel tank, diesel/urea (litres)	870 / 159	1,230 / 159	1,230 / 159	1,230 / 250	1,230 / 250
<b>CHASSIS</b>					
Type			Quadtrac Chassis		
<b>TRANSMISSION</b>					
Type			16F/2R Powershift		
Powershuttle			Std.		
<b>AXLES</b>					
Axle drive and gear arrangement			Planetary & drop gear, 3 planet		
Axle diameter			Flanged		
Axle diff-lock type			Multi disc wet plate with independant front/rear control		
<b>POWER TAKE OFF</b>					
Type			Live independent system integral with transmission		
Speed Option			1,000		
Engine speed (rpm)			1,800		
Shaft type			1 3/4" shaft - 20 spline		
<b>HYDRAULIC SYSTEM</b>					
System type			Variable displacement, pressure and flow compensating (PFC)		
Max. pump flow (l/min)	159	159	159	159	159
Optional pumps max.pump flow High Flow/Twin Flow (l/min)	216 / 428	216 / 428	216 / 428	216 / 428	216 / 428
System pressure (bar)	210	210	210	210	210
No. of remote valves	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8
No. of remote valves with 3 point hitch	4 / 6	4 / 6	4 / 6	4 / 6	4 / 6
<b>THREE POINT HITCH</b>					
Lift Capacity (kg), through full range, 610mm behind ball ends			8,949		
Category type	Cat IV-N	Cat IV-N	Cat IV-N	Cat IV-N	Cat IV-N
<b>HEAVY DUTY DRAWBAR</b>					
Diameter of drawbar pin-high capacity (mm)	51	51	51	51	51
Max. permissible vertical load (kg)	4,983	4,983	4,983	4,983	4,983
<b>CLASS 5 DRAWBAR</b>					
Diameter of drawbar pin-high capacity (mm)	70	70	70	70	70
Max. permissible vertical load (kg)	6,804	6,804	6,804	6,804	6,804
<b>CLASS 5 DRAWBAR</b>					
Diameter of drawbar pin-high capacity (mm)	23,415	23,415	23,870	24,270	24,270
Max. permissible vertical load (kg)	27,215	27,215	27,215	29,029	29,029
<b>DIMENSIONS <sup>1)</sup></b>					
Total length (mm)	7,613	7,613	7,613	7,613	7,613
Total height (mm)	3,835	3,835	3,835	3,835	3,835
Total width (mm) <sup>2)</sup>	2,997	2,997	2,997	2,997	2,997
<b>TRACKS</b>					
Drive			4 independent tracks, positive drive		
Track width Standard / Option (cm)	76 / 91	76 / 91	76 / 91	76 / 91	76 / 91



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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