

# PUMA





# HIGHLY PRODUCTIVE AND VERSATILE THE PUMA GIVES YOU MORE

## AFTER MORE THAN 170 YEARS WE REMAIN TRUE TO OUR VISION OF PROVIDING THE FARMERS OF TOMORROW WITH AGRICULTURAL MACHINERY THAT IS ALWAYS AN INNOVATIVE, RELIABLE AND PROFITABLE INVESTMENT

For more than 170 years Case IH has played a major role in shaping agriculture, with legendary brand names that include Case, International Harvester and David Brown. As the inventor of the power take-off, Axial-Flow single rotor threshing and the hydraulic reversing gear, and as the pioneer of the continuously variable transmission, the Case IH heritage goes on. The pioneering vision of our forebears remains at the heart of every Case IH product to this day. It is with the same passion that we develop and produce agricultural machinery in Europe and across the world. More than forty thousand Case IH Puma and Puma CVX in operation are testament to our dedication to meeting and exceeding the expectations of farmers across the world.

This wealth of experience has given us the opportunity to listen to you and design products that deliver precisely what you need. Our drive for innovation has led us to devise advanced technological solutions to constantly drive up our machines' performance and productivity whilst making them easy to use and increasingly profitable. We strive tirelessly for perfection, achieving high quality in everything, down to the smallest detail. We demand of ourselves and our dealers the same high level of quality in the service we provide together to our customers. European network of 391 dealers, 679 dealer branches and sub-dealers and 1,377 Case IH service centres in Europe is your guarantee of personalised and professional service. That is how we work and earn the trust of our customers.

## PUMA - POWERFUL, COST-EFFECTIVE AND COMFORTABLE

Choose between the Puma with six-speed Semi-Powershift or Full Powershift transmission and the Puma CVX with a continuously variable transmission and double-clutch technology. Thanks to Efficient Power technology, all models offer impressive fuel economy and optimum power management. In addition, all Puma models over 170 horsepower (hp) are available as first series tractors with optional ABS, which is compatible with both hydraulic and pneumatic trailer brakes.

## ROBUST AND CUSTOM-MADE

Thanks to extensive special equipment options including a front hitch, front hydraulics and special tyres for industrial or agricultural use, the Puma models are perfectly equipped and ready for use on delivery. On request, the cab can be fitted with the latest performance monitors complete with an ISOBUS controller for data exchange between the tractor and the attachment.

MODELS	Rated power ECE R120 <sup>3)</sup> @ 2,200rpm (kW/hp(CV))	Maximum power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	Capacity (cm <sup>3</sup> )	Number of cylinders
Puma 130 / Puma 130 CVX	96 / 131	126 / 171 @ 1,800-1,900rpm	6,700	6
Puma 145 / Puma 145 CVX	107 / 146	138 / 188 @ 1,800-1,900rpm	6,700	6
Puma 160 / Puma 160 CVX	118 / 160	149 / 203 @ 1,800-1,900rpm	6,700	6
Puma 170 / Puma 170 CVX	123 / 167	160 / 218 @ 1,900-2,000rpm	6,700	6
Puma 185 / Puma 185 CVX	136 / 185	172 / 234 @ 1,900-2,000rpm	6,700	6
Puma 200 / Puma 200 CVX	147 / 200	184 / 250 @ 1,900-2,000rpm	6,700	6
Puma 215 / Puma 215 CVX	158 / 215	191 / 260 @ 1,900-2,000rpm	6,700	6
Puma 230 CVX	167 / 228	198 / 269 @ 1,800rpm	6,700	6

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

# TOP TECHNOLOGY FOR TOP PERFORMANCE

## TRACTORS FOR THOSE WHO EXPECT MORE – IN TERMS OF POWER, ERGONOMICS AND COMFORT

High-quality, cost-effective and environmentally friendly production: The requirements for agricultural production continue to increase on an ongoing basis – unfortunately, the number of hours in a day does not. To ensure that you can use your working days as effectively as possible, we have developed the Puma and the Puma CVX – highly productive, cost-effective and extremely comfortable, the models are also intuitive and easy to operate.



### NEW USER-FRIENDLY DELUXE CAB

The Puma and Puma CVX models boast an extremely comfortable and ergonomically designed cab. Thanks to the operating concept for the 110 to 700hp(CV) models, which is standardized across Case IH – with the same A-post element, the same armrest and the same Multicontroller™ –, tractors such as the Maxxum, Puma, Magnum and Quadtrac are very user-friendly and easy to handle. This operating concept is tailored to the needs and wishes of our clients in the most effective way possible, for minimum familiarization time and maximum work results!



### MULTICONTROLLER™ ARMREST WITH DRIVE LOGIC

The Multicontroller™ armrest with drive logic, ICP operator's panel and AFS Pro 700™ touchscreen monitor combines all the key tractor functions. From selecting the ground speed or Headland Management Control to operating the front and rear hitch – with the Multicontroller™ armrest, you have everything under complete control.





#### **POWER SOURCE FOR IMPRESSIVE PRODUCTIVITY**

Superior engine power as a trademark: up to 23% more productivity is available thanks to Engine Power Management, Efficient Power and SCR, allowing you to perform heavy towing operations in the field and on the road with the greatest of ease, to enjoy a more relaxed working environment, thanks to the lower engine revs, and to achieve optimum values in terms of specific fuel consumption.



#### **POWERSHIFT TRANSMISSION, FULL POWERSHIFT TRANSMISSION OR CVT TRANSMISSION**

The Puma 130-160 models are fitted with six-speed Semi-Powershift transmissions or optionally with Full Powershift transmissions, while the Puma 170-215 models are fitted with Full Powershift transmissions as standard and a continuously variable transmission is used in all Puma CVX models. The Active Stop control reliably prevents the tractor from rolling back on slopes and allows you to start it easily without activating the clutch or brake. The DKT™ double-clutch technology ensures smooth travel and a high level of fuel efficiency.



#### **BEST OF BREED: HEAVY-LIFTING HYDRAULICS AS STANDARD**

With an oil delivery rate of up to 150l/min. (Puma) and 170l/min. (Puma CVX), the hydraulics on these tractors are designed for heavy-duty work and a maximum hitch capacity of 10,460kg in the rear hydraulics. A maximum of 7 remote valves (models 130-160) or nine (from models 170) enable complex implements to be controlled with ease. The front hitch and front power take-off (PTO) (optional) will increase your productivity even further.



#### **AVAILABLE ON REQUEST: FRONT AXLE SUSPENSION AND ABS**

The suspended front axle (optional) ensures smooth travel and improved operating comfort. If you frequently travel on roads, the ABS system, which is also available as an option, provides a clear benefit when it comes to safety – a benefit only offered by one series tractor in this class: the Case IH Puma.



#### **AFS™ – ADVANCED FARMING SYSTEMS**

With the Case IH AFS systems, you can maximize your efficiency, operate ISOBUS-compatible devices from the cab and use track guiding systems with maximum precision. The AFS Pro 700™ monitor, which can be integrated as an option, allows you to maintain an overview at all times of, for example, the fuel consumption or the engine and PTO speed. This means that you can adapt the tractor settings to the respective attachments and work conditions quickly and easily.





# A COMFORTABLE ENVIRONMENT GREATER PRODUCTIVITY WITH NO STRESS

Productivity, precision and efficiency are the cornerstones of field and transport operations – and are therefore crucial to the economic viability of your company. In the redesigned, comfortable and quiet Puma and Puma CVX cab, experience a sophisticated combination of superior productivity and attractive design. You stay relaxed and fit so that you remain productive, even during long days at work.

## **A WORKPLACE WITH A FEEL-GOOD ATMOSPHERE**

When you purchase a new tractor, you expect a work environment in which it is easy and comfortable from which to complete your tasks – just like in the new Puma and Puma CVX cab. You will feel familiar with and at home in this quiet and comfortable workplace with its ergonomically arranged operating elements. We maintained a constant dialogue with our customers so that we could ensure that the design of the cab offers maximum operating comfort – for long, productive days at work that won't leave you feeling drained. Thanks to the unrestricted panoramic view through the curved glass with a window area of 5.87m<sup>2</sup>, the standard top view window, the air-conditioning system (automatic air conditioning on request), the cab suspension (optional), the high-quality, individually adjustable operator's seat with lumbar support, and the height-adjustable and tilt-adjustable steering wheel, you can adapt your workplace to your requirements in as effective a way as possible. A comfort seat with low-frequency suspension and seat heating is also available on request.

At only 69dB(A), the noise level in the cab is lower than for any other tractor in this class. Together with the optional front axle suspension (also available as active suspension from models 170), you can experience operating and travel comfort of the highest order.

## **WORK DAY AND NIGHT**

Turn night to day with more than 10 lights available. A Xenon High-Intensity Discharge (HID) lighting package is available for even greater night visibility.





A-post instrument displays are clear, concise and easy to read.



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



Central light panel, climate controls and radio neatly integrated in the roof.





# INTUITIVE OPERATION PUTS YOU IN CONTROL

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

## **CONTROL STATION**

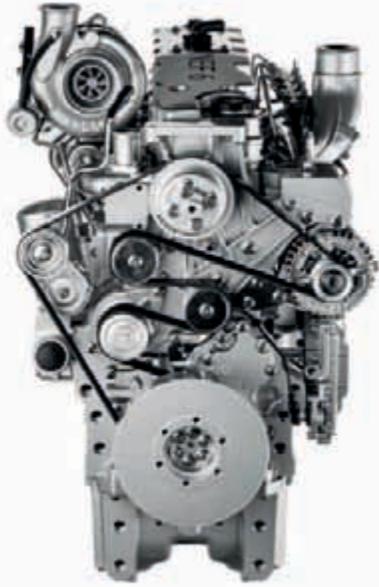
Multicontroller™ featuring drive logic, the intuitive control panel (ICP) and the AFS Pro 700™ touch screen monitor integrate all the tractor's functions into the armrest, putting all the controls at your fingertips: speed selection, direction changes, throttle, Headland Management Control, electronic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

## **OPTIMISE YOUR PERFORMANCE**

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

## **EVERYTHING UNDER CONTROL**

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



# “POWER STATION” KEY PLAYER IN COMPANY

The spectrum of high-performance diesel engines with electronically regulated common rail injection ranges from 131 to 260hp(CV) (96–191kW) for the Puma and from 131 to 269hp(CV) (96–198kW) for the Puma CVX. All Puma models are equipped with proven Case IH SCR technology from FPT, which is used to lower emissions while increasing performance and efficiency. The 600-hour maintenance intervals – the longest in the industry – save both time and money.

## BOOST POWER AND LARGE CONSTANT OUTPUT RANGE

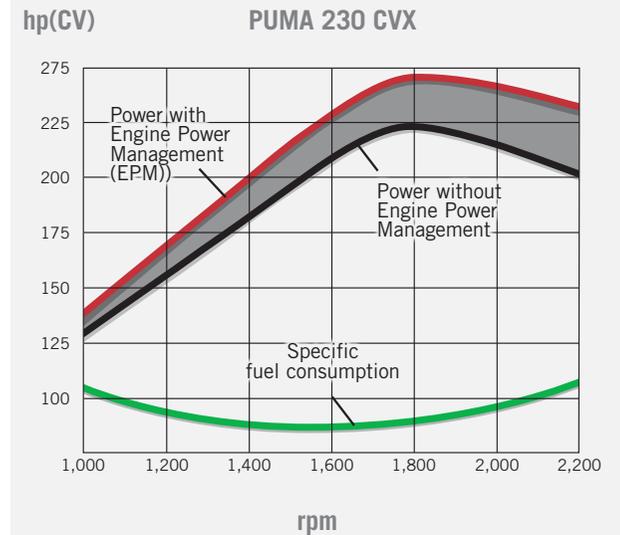
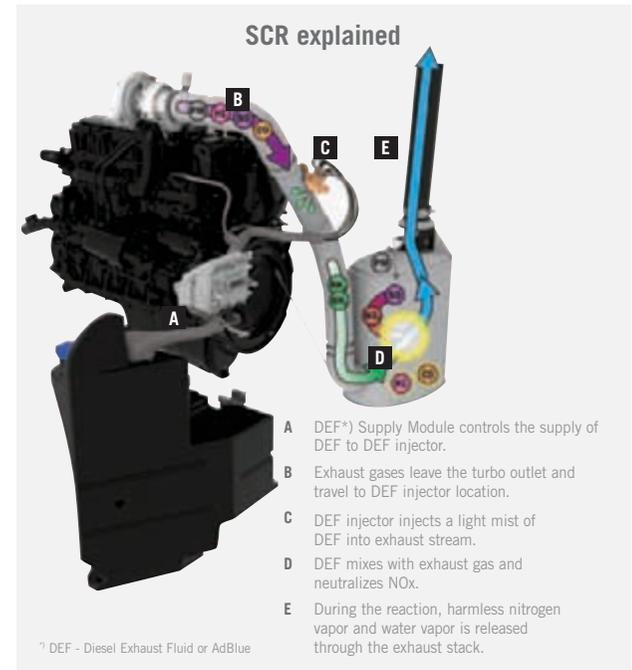
Thanks to the Engine Power Management system, you have up to 49 additional hp (model 185) where required – this is equivalent to an increase in productivity of up to 26%, which is then available for towing or PTO work. The large constant output range ensures that the same power is available at 1500rpm as at the rated speed. This means that the same power is maintained at a lower speed, resulting in reduced fuel consumption.

## CLEAR HEAD START IN TERMS OF PRODUCTIVITY

Towing operations can be completed with ease at a maximum torque of 1120Nm (Puma) and 1160Nm (Puma CVX). In addition, the maximum road speed is achieved at a lower engine rpm, resulting in considerable fuel savings for transport operations. Thanks to power management and impressive fuel economy, the Puma and Puma CVX are clearly the “best of breed.”

## APM AND ECO DRIVE™ - THE INTUITIVE WAY TO SAVE FUEL

APM - Automatic Productivity Management-works behind the scenes to reduce fuel consumption. By coordinating the engine, CVX transmission and PTO with the Multicontroller™ and travel pedal, you get the ideal balance of fuel efficiency and power. Using the Eco Drive lever the driver can fix a certain minimum and maximum engine speed to match the engine performance and efficiency to each job. Then the Puma CVX watches for optimum fuel efficiency.



41hp(CV) in addition with Engine Power Management.

# PUMA ECONOMIC VIABILITY AS A SUCCESS FACTOR

The Puma offers you a selection of different transmission versions. For the Puma 130, 145 and 160 models, the six-speed Semi-Powershift transmission is standard. The Full Powershift version is optional on those models. For the larger Puma models 170, 185, 200 and 215 the Full Powershift version is standard. Both transmission versions are available with speeds of 40, 40 ECO and 50kph.

## **SIMPLICITY IS KEY**

The six-speed Semi-Powershift transmission is both simple and reliable. It offers clutch-free gear changing within each group and is the ideal choice for farmers looking for a cost-effective, tried-and-tested transmission.

## **HIGH SWITCHING QUALITY FOR OPTIMUM PERFORMANCE**

With the Full Powershift transmission, you change gear without activating the clutch. A creeper transmission with 29x6 gears and a minimum speed of 200m/h is available on request.

## **ECO DRIVE™ – FUEL ECONOMY MADE EASY**

Automatic functions for use in the field and on the road help to optimize productivity and reduce fuel consumption thanks to the automatic load-dependent switching processes. Load-dependent switching ensures a smooth gear change, which is slow when the load is light but speeds up if there is a heavy load. As the maximum speed for transport is achieved at a reduced engine rpm thanks to Eco Drive™, fuel consumption is reduced by approximately 10%.

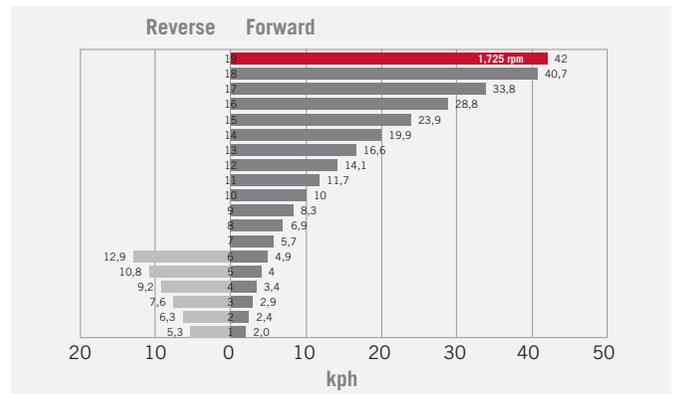




Six-speed Semi-Powershift and Full Powershift transmission maximize efficiency and increase productivity in the field and on the road.



Multicontroller™ allows gear change without activating the clutch.



19x6 Full Powershift transmission 40kph ECO.



# THE PUMA CVX TRANSMISSION SAVE TIME AND FUEL

The Puma 130-230 CVX models feature a CVX transmission with DKT Double Clutch Technology to deliver a smooth ride and the best fuel and power efficiency. The APM Automatic Productivity Management works behind the scenes to keep fuel consumption down to a minimum. By coordinating the engine, transmission and PTO with the Multicontroller™ or the travel pedal you achieve the ideal balance of fuel efficiency and power.

## STEPLESS PRODUCTIVITY

CVX technology is backed by Case IH's engineering expertise, developed over the years at the home of the Puma CVX - our European manufacturing headquarters in St. Valentin, Austria. The drive train delivers power efficiently from creep speeds all the way up to 50kph at a smooth and quiet 1,750 engine rpm. In economy mode the models 170-230 CVX achieve a 40kph cruising speed at a fuel-saving 1,450rpm and 50kph at 1,550rpm.

## SMOOTH RIDE

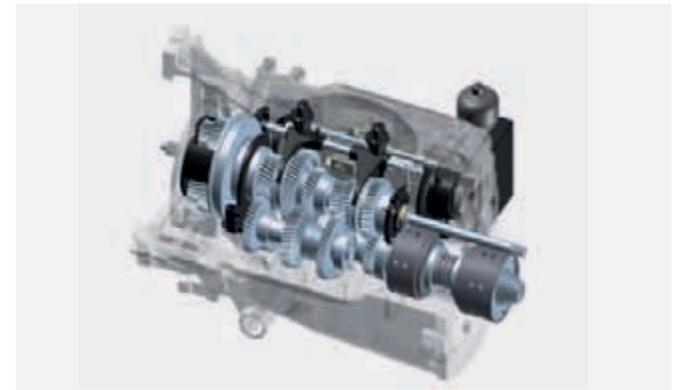
The DKT Double Clutch Technology enables smooth gear changes with no interruption in the flow of power. This results in better acceleration and better fuel efficiency.

## OPTIMUM EFFICIENCY

All CVX models feature APM Automatic Productivity Management, a system that has proven its efficiency in the bigger Case IH tractor models. APM reduces the engine speed automatically as soon as the full power of the engine is no longer needed.

## ACTIVE STOP

The CVX transmission remains in control when the tractor is at a standstill. Its Active Stop feature holds the tractor and its load stationary, even on a steep incline, and enables you to pull away effortlessly without using the clutch and brakes.



CVX transmission - stepless drive between 0-50kph.



Active Stop holds the tractor stationary without applying brakes.



Double clutch technology DKT™ (Doppel Kupplungs Technologie).

# PTO: MAKING SURE THAT EVERYTHING RUNS SMOOTHLY

A Puma is suitable for a wide variety of tasks in the field and on the road. The available PTO speeds allow you to adapt your tractor to all attachments with a high degree of precision. Puma and Puma CVX models are equipped with pto systems that deliver full power or can be operated in Economy mode in light duty tasks. The Soft Start slowly increases the torque, thereby protecting the drive shafts of the attachments. You can increase your productivity still further with the front hitch and front PTO options. The front PTO runs with 1000rpm at an engine rpm of 1895rpm. In order to ensure optimum work comfort, the PTO management is available for both the rear PTO and front PTO.

## **HIGH LEVEL OF EFFICIENCY THANKS TO DIRECT POWER TAKE-OFF**

When the PTO is operated, no transmission losses occur in the transmission, as the power take-off occurs directly at the flywheel of the engine. The 540E PTO that is operated at the low engine rpm of 1,546rpm increases the fuel efficiency again.

## **SOFT START**

As soon as the sensors record a higher starting resistance when the PTO is switched on, the Soft Start increases the torque in a slow and gentle manner only. A hydraulic brake prevents towed devices from coasting after the PTO is switched off.

## **EVERYDAY OPERATION MADE EASY**

The automatic PTO controller uses the position of the towed devices to ensure that the PTO is switched off when the hitch is raised and switched on again when the hitch is lowered. The lifting height at which the PTO is switched on and switched off is flexibly adjustable.

## **ONE RUN – DOUBLE THE PERFORMANCE**

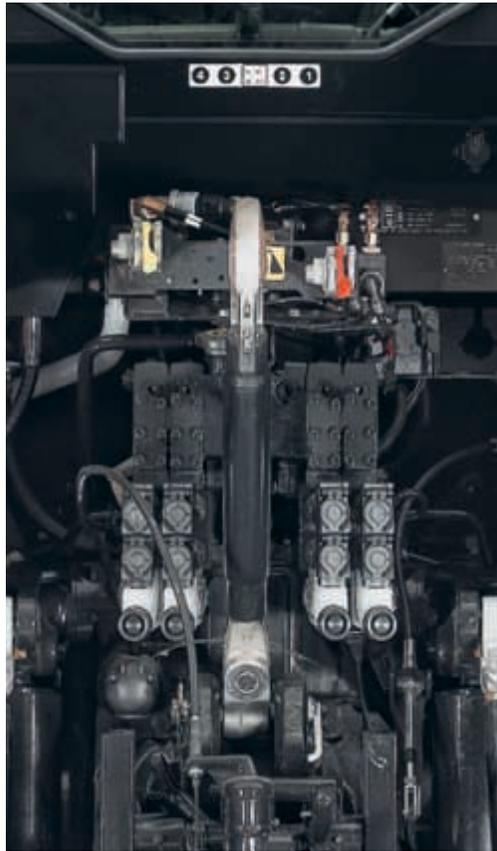
Double your productivity with front and rear attachments. The perfectly integrated front PTO and front linkage are mounted close to the front axle for better contour following and reduced forward projection of implements.







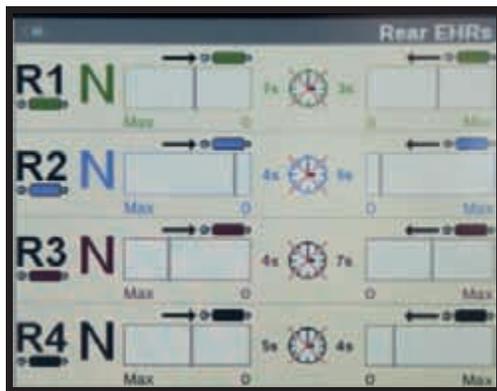
Seamlessly integrated Front Linkage with a lifting power of up to 3,800kg.



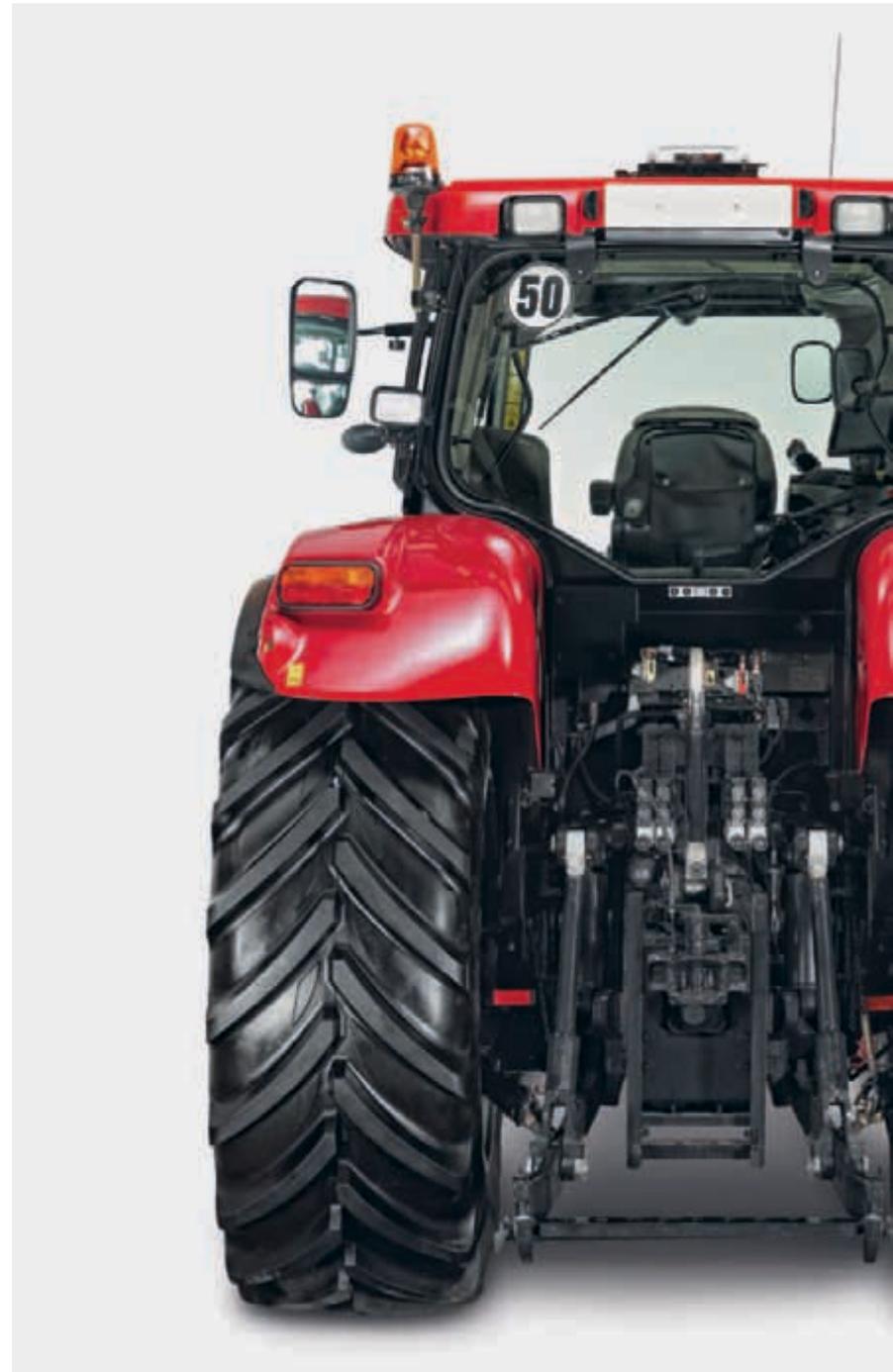
No limits of operation with 5 electronic-hydraulic rear remotes.



Up to four mechanical remote valves available as alternative to electronic remotes.



Control your electronic remote valves by the AFS Pro 700™ monitor.





# FRONT AND REAR HYDRAULICS VERSATILITY FOR THE HIGHEST REQUIREMENTS

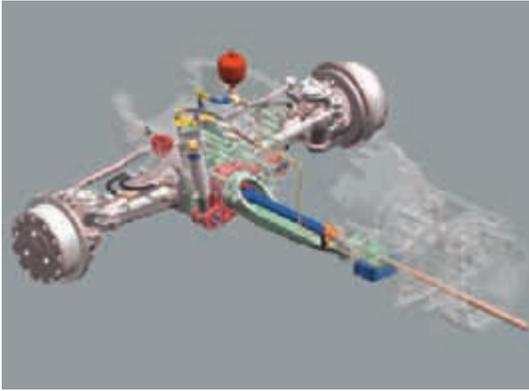
With a maximum hitch lift capacity of more than 10 tons in the rear hydraulics – 10,460kg for all models from 170 upward to be precise – these models deliver the best performance in this class. The hydraulic system has an axial piston variable displacement pump with a delivery rate of up to 150l/min (Puma) and even up to 170l/min (Puma CVX), thereby ensuring extremely good response characteristics and precise control of the entire working hydraulics – including all control valves.

## POWERFUL HYDRAULICS

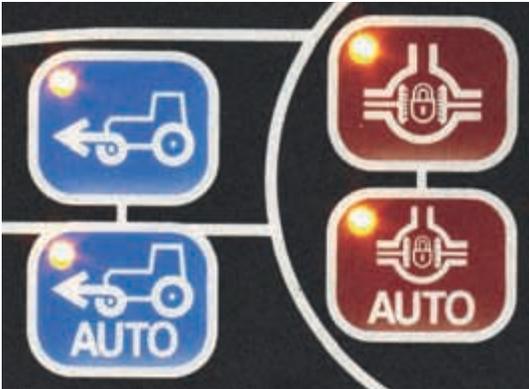
- The rear hydraulics of models 130 to 160 already boast a maximum hitch capacity of 8,257kg, while for all larger models, this value can be as much as 10,460kg. This means that even the heaviest attachments can be used without any problems.
- Thanks to the controls for the PTO, hydraulics and a remote valve being positioned on the outside of the mudguards, devices can be easily attached and removed by a single operator.
- On the Puma 130-160 models, a maximum of four mechanical or electrical remote valves are available at the rear of each model. All 130-160 models also offer up to three electrical mid-mount valves.
- Models from the Puma 170/170 CVX upward can be fitted with five electrical control units at the rear and four electrical mid-mount valves. In total, therefore, you have up to nine hydraulic control devices at your disposal.
- The front hitch, which is available as an option, lifts up to 3,568kg (models 130-160) or as much as 3,785kg on all larger models.



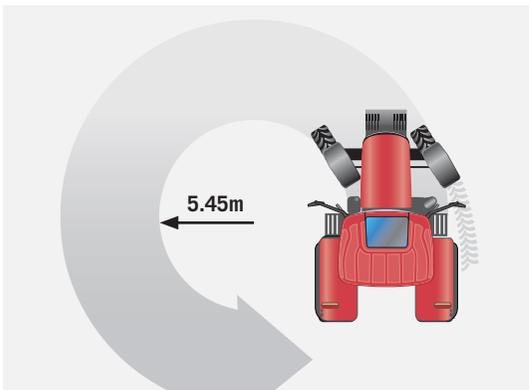
Easy and safe operation with the external controls.



Active suspended front axle.



4WD and differential lock management.



Turning radius of 5.45m.

# DRIVE LINE POWER TO THE GROUND

All models offer an excellent power-to-weight ratio of up to 29kg/hp(CV), delivering an outstanding performance and reduced soil compaction. What's more, the Puma is the only series tractor in its class to offer an optional ABS for both hydraulic and pneumatic trailer brake options – a clear benefit when it comes to your safety and the safety of other drivers on the road.

## DRIVE LINE FOR EFFICIENT PROPULSION

The automatic 4WD and the differential lock can be switched on and off automatically where necessary, providing maximum traction and reduced damage to soil or crop. The Ride Control system, which is supplied as standard, reduces pitching movements when transporting heavy attachments.

## SUSPENDED FRONT AXLE

The optionally available front axle suspension increases travel comfort, enables improved tractor control and also counteracts pitching movements when transporting attachments. A sophisticated damping system ensures a high level of driving stability and also offers automatic, load-dependent self-levelling. If the front axle suspension option is selected, an “Active” suspension system is used in models from 170 upward. In this instance, the system is controlled via sensors, which monitor various parameters such as acceleration, gear change, brake actuation, terrain conditions, travel direction change and hitch load. The result is optimum driving stability and perfect comfort.

## ABS FOR SAFETY AND DRIVING STABILITY

High-sensitivity sensors monitor the wheel speeds on models from Puma and Puma CVX 170 upward. The ABS controls the braking actions such that the direct transmission of braking and cornering forces to the road is maintained, thereby preserving full manoeuvrability. Optimum braking efficiency is achieved in any situation thanks to unique additional functions:

- Steer-by-ABS prevents the braked wheel from locking when a steering brake is applied.
- Auto-steer-by-brake significantly reduces the turning radius.







# ABS ANTI-LOCK BRAKING SYSTEM SAFETY AND STABILITY IN TRANSPORT



If you do a lot of transport work on the road or in the field, ABS (Anti-lock Braking System) is for you. This excellent feature, available on all Puma and Puma CVX models 170 and above, means that you can brake safely on all surfaces and keep control of the steering. Furthermore, with Case IH ABS you get extra advanced features that are unique to Case IH, making driving even safer and easier, and braking even more efficient.

## ABS: THE INTELLIGENT BRAKE

The ABS feature prevents the wheels from locking up when you step on the brake, even with maximum force. The wheels maintain traction and respond to steering so you avoid skidding, pitching and jack-knifing if you are pulling a trailer – and your cornering ability is improved. If you are driving faster than 12kph, the single wheel braking option is automatically disabled, further improving safety.

## HILL HOLDER FOR PUMA FULLPOWERSHIFT TRANSMISSION

This unique advanced feature takes the stress away from stopping as you drive up a hill. It holds the brakes when the tractor stops on an incline and releases them gradually when you drive away, so you won't roll back or stall.

## STEER-BY-ABS

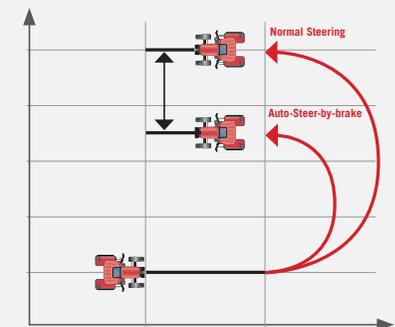
Steering with ABS - another unique advanced feature - significantly reduces the turning radius at the headland as the ABS prevents the inner wheel from locking when you apply the single wheel brake pedal.

## AUTO-STEER-BY-BRAKE

The third unique advanced feature automatically integrates single wheel brake into the steering process in the field. When activated, the inside wheel brakes automatically when the steering wheel turns, reducing the turning radius. The ABS prevents the wheel from blocking, protecting the soil in your field.

## TRAILER SAFETY

The ABS feature is compatible with pneumatic and hydraulic trailer brakes, increasing your safety in trailer operations.







**AFS AccuGuide: GPS and GLONASS based guidance for ultimate precision independent of crop conditions. With RTK accuracy levels down to 2.5cm available.**



**xFill bridges RTK signal gaps up to 20 minutes.**



**Accurately pinpoint all machines with AFS-Connect™.**

# INTEGRATED PRECISION FOR MAXIMUM PRODUCTION

Case IH Advanced Farming Systems (AFS™) have been at the forefront of precision farming for more than a decade, giving farmers the ability to control the entire crop production cycle. Case IH AFS™ tools include everything you need to achieve repeatable accuracy down to 2.5cm, reduce overlaps and cut input costs – and 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 700™ 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

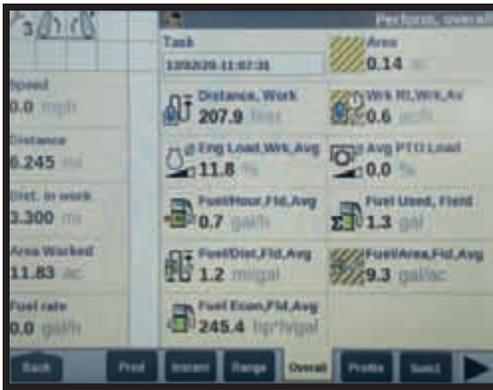
If it's a guidance system you are looking for, we have simple 'plug and play' lightbar steering kits through to fully automated and integrated solutions. The accuracy you need depends on your requirements. With the range topping RTK systems we can make you pass perfect down to 2.5cm. The xFill option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

## AFS FARM MANAGEMENT SOFTWARE

Many variables apply in farming; it is key 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 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.



Performance monitoring.



Tractor settings.



ISOBUS compatibility.





# INTERACTIVE INTEGRATED INTUITIVE

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

#### KEY FEATURES INCLUDE:

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



#### AFS PRO 700™ MONITOR TOUCHSCREEN MONITOR

Enhanced vehicle control and additional productivity with programmable functions and settings, as well as notebook and ISOBUS compatibility.





# DAILY MAINTENANCE COMPLETED WITH EASE – **FAST AND SIMPLE**

## **MAKE A PRODUCTIVE START – AND STAY PRODUCTIVE THROUGHOUT THE DAY!**

When you have a busy working day ahead of you, time-consuming maintenance tasks are the last thing you want to do. Even without important field and transport work to complete, you will certainly have better things to spend your time on than machine maintenance. For this reason we have designed the Puma and the Puma CVX to be maintenance-friendly across the board and the daily checks are quick to complete. Do your checks and you're ready to go!

## **OPTIMUM OPERATING TIME, MINIMAL MAINTENANCE COSTS**

With the Puma and Puma CVX models, maintenance times and costly downtime are minimized, allowing you to work productively. Productivity is also increased by the unrivaled 600-hour maintenance intervals; these maintenance intervals are just one example of a number of characteristics of the Puma and Puma CVX that allow you to keep your operational readiness at a high level and your servicing and repair costs low.



### **CLEANING COMPLETE IN NEXT TO NO TIME**

The radiators can be swung out to enable easy cleaning.



### **EASY ACCESS**

The single-piece engine hood is raised using a gas strut and can be locked at an angle of 45° and 90°, even with front attachments fitted.



### **REFUELING FROM THE GROUND**

The fuel and AdBlue tanks can be easily reached and filled from the ground.





# SYSTEM SOLUTIONS

When you buy a Case IH machine, you can be sure not only that you're buying the best product, but also that you've got the best dealer back-up behind you. Case IH dealers can offer advice on selecting and financing the right machine, will ensure they deliver what you need when you need it, and will then continue to back you and your equipment with the service and spare parts supply you'd expect from a name as trusted as Case IH.



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

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



#### AROUND THE CLOCK. AROUND THE COUNTRY. A SERVICE YOU CAN RELY ON

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



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

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



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**WWW.CASEIH.COM**

MODELS	PUMA 130	PUMA 145	PUMA 160	PUMA 170	PUMA 185	PUMA 200	PUMA 215
<b>ENGINE</b>	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Number of cylinders	6	6	6	6	6	6	6
Type	Common Rail Diesel engine with 24 valves, turbocharged and intercooled			Common Rail Diesel engine with 24 valves, turbocharged and intercooled			
Emission level	EURO IIIB			EURO IIIB			
Capacity (cm <sup>3</sup> )	6,700	6,700	6,700	6,700	6,700	6,700	6,700
Maximum power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	126 / 171	138 / 188	149 / 203	160 / 218	172 / 234	184 / 250	191 / 260
Maximum power ECE R120 <sup>3)</sup> (kW/hp(CV))	109 / 148	120 / 163	130 / 177	138 / 188	149 / 203	160 / 218	172 / 234
... at engine speed (rpm)	1,800 - 1,900	1,800 - 1,900	1,800 - 1,900	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000
Rated power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	118 / 160	129 / 175	140 / 190	151 / 205	162 / 220	173 / 235	181 / 246
Rated power ECE R120 <sup>3)</sup> (kW/hp(CV))	96 / 131	107 / 146	118 / 160	123 / 167	136 / 185	147 / 200	158 / 215
... at engine speed (rpm)	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Maximum torque Power Management (Nm @ 1,500rpm)	741	810	866	906	1,019	1,082	1,120
Maximum torque (Nm @ 1,500rpm)	631	698	767	825	862	927	995
Torque rise Standard / Power Management (%)	51 / 45	50 / 45	50 / 42	54 / 47	46 / 45	45 / 44	45 / 43
Fuel tank, diesel Standard / diesel optional / urea (litres)	270 / 330 / 48	270 / 330 / 48	330 / - / 48	395 / - / 48	395 / - / 48	395 / - / 48	395 / - / 48
<b>TRANSMISSION</b>							
18x6 Semi- / Full Powershift 40kph	○ / ●	○ / ●	○ / ●	- / ●	- / ●	- / ●	- / ●
19x6 Semi- / Full Powershift Economy 40kph @ reduced rpm	○ / ○	○ / ○	○ / ○	- / ○	- / ○	- / ○	- / ○
19x6 Semi- / Full Powershift 50kph	○ / ○	○ / ○	○ / ○	- / ○	- / ○	- / ○	- / ○
Powershuttle	●	●	●	●	●	●	●
Creeper	○	○	○	○	○	○	○
Rear axle diff-lock type	Multi disc wet plate with management system			Multi disc wet plate with management system			
Service brake	Hydraulically operated multiple wet disc brake, self adjusting			Hydraulically operated multiple wet disc brake, self adjusting			
<b>POWER TAKE OFF</b>							
Type	Electro-hydraulic with Auto PTO control available			Electro-hydraulic with Auto PTO control available			
Speeds Standard (Option)	540 / 540E / 1,000 (540E / 1,000 / 1,000E) (both with optional ground drive)			540 / 540E / 1,000 / 1,000E (540E / 1,000 or 1,000 / 1,000E)			
Engine speeds Standard (Option) (rpm)	1,969 / 1,546 / 1,893 (1,592 / 1,893 / 1,621)			1,931 / 1,598 / 1,912 / 1,583 (1,569 / 1,893 or 1,893 / 1,700)			
Shaft type Standard (Option)	1 3/8" 21 splines (1 3/8" 6 splines)			1 3/8" 21 splines (1 3/8" 6 splines or 1 3/4" 20 splines)			
<b>FRONT PTO AND HITCH</b>							
Front PTO 1,000 Speed @ 1,895rpm	○	○	○	○	○	○	○
Front hitch lift capacity (kg)	3,568	3,568	3,568	3,785	3,785	3,785	3,785
<b>FOUR-WHEEL DRIVE AND STEERING (DRIVELINE)</b>							
Type	Electro-hydraulic with management system, differential lock as standard, front axle suspension optional			Electro-hydraulic with management system, differential lock as standard, front axle suspension optional			
ABS Anti-lock braking system	-	-	-	○	○	○	○
Front axle suspension	○	○	○	● / Active	● / Active	● / Active	● / Active
Steering angle (°)	55	55	55	55	55	55	55
Min. turning radius <sup>1)</sup> track setting 1,829mm (m)	5.45	5.45	5.45	6.1	6.1	6.1	6.1
<b>HYDRAULIC SYSTEM</b>							
System type	Variable displacement, pressure flow compensated pump			Variable displacement, pressure flow compensated pump			
Max. pump flow rate Standard / Optional (l/min)	113 / -	113 / -	113 / -	120 / 150	120 / 150	120 / 150	120 / 150
System pressure (bar)	210	210	210	215	215	215	215
Control type	Electronic Hitch Control (EHC) with cushion ride control			Electronic Hitch Control (EHC) with cushion ride control			
Max. lift capacity (kg)	8,257	8,257	8,257	10,460	10,460	10,460	10,460
OECD lift capacity through range @ 610mm (kg)	6,616	6,616	6,616	8,094	8,094	8,094	8,094
Max. number of rear remote valves	4 mechanical or 4 electronic			4 mechanical or 5 electronic			
Max. number of mid mount valves with electronic joystick	3 electr.	3 electr.	3 electr.	4 electr.	4 electr.	4 electr.	4 electr.
Remote valve timer control	0 - 60 seconds on all models			0 - 60 seconds on all models			
Category type	Cat II / III	Cat II / III	Cat II / III	Cat III	Cat III	Cat III	Cat III
Slip control	○	○	○	○	○	○	○

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

MODELS	PUMA 130 CVX	PUMA 145 CVX	PUMA 160 CVX	PUMA 170 CVX	PUMA 185 CVX	PUMA 200 CVX	PUMA 215 CVX	PUMA 230 CVX
<b>ENGINE</b>	FPT	FPT	FPT	FPT	FPT	FPT	FPT	FPT
Number of cylinders	6	6	6	6	6	6	6	6
Type	Common Rail Diesel engine with 24 valves, turbocharged and intercooled			Common Rail Diesel engine with 24 valves, turbocharged and intercooled				
Emission level	EURO IIIB			EURO IIIB				
Capacity (cm <sup>3</sup> )	6,700	6,700	6,700	6,700	6,700	6,700	6,700	6,700
Maximum power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	126 / 171	138 / 188	149 / 203	160 / 218	172 / 234	184 / 250	191 / 260	198 / 269
Maximum power ECE R120 <sup>3)</sup> (kW/hp(CV))	109 / 148	120 / 163	130 / 177	138 / 188	149 / 203	160 / 218	172 / 234	183 / 249
... at engine speed (rpm)	1,800 - 1,900	1,800 - 1,900	1,800 - 1,900	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000	1,900 - 2,000	1,800
Rated power ECE R120 <sup>3)</sup> Power Management (kW/hp(CV))	118 / 160	129 / 175	140 / 190	151 / 205	162 / 220	173 / 235	181 / 246	191 / 261
Rated power ECE R120 <sup>3)</sup> (kW/hp(CV))	96 / 131	107 / 146	118 / 160	123 / 167	136 / 185	147 / 200	158 / 215	167 / 228
... at engine speed (rpm)	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Maximum torque Power Management (Nm @ 1,500rpm)	741	810	866	906	1,019	1,082	1,120	1,160
Maximum torque (Nm @ 1,500rpm)	631	698	767	825	862	927	995	1,089
Torque rise Standard / Power Management (%)	51 / 45	50 / 45	50 / 42	54 / 47	46 / 45	45 / 44	45 / 43	45 / 39
Fuel tank, diesel / urea (litres)	330 / 48	330 / 48	330 / 48	395 / 48	395 / 48	395 / 48	395 / 48	395 / 48
<b>TRANSMISSION</b>								
Continuously variable transmission 50kph or 40kph ECO	●	●	●	●	●	●	●	●
Powershuttle	●	●	●	●	●	●	●	●
Rear axle diff-lock type	Multi disc wet plate with management system			Multi disc wet plate with management system				
Service brake	Hydraulically operated multiple wet disc brake, self adjusting			Hydraulically operated multiple wet disc brake, self adjusting				
<b>POWER TAKE OFF</b>								
Type	Electro-hydraulic with Auto PTO control available			Electro-hydraulic with Auto PTO control available				
Speeds Standard (Option)	540 / 540E / 1,000 (540E / 1,000 / 1,000E) (both with optional ground drive)			540 / 540E / 1,000 / 1,000E (540E / 1,000 or 1,000 / 1,000E)				
Engine speeds Standard (Option) (rpm)	1,969 / 1,546 / 1,893 (1,592 / 1,893 / 1,621)			1,931 / 1,598 / 1,912 / 1,583 (1,569 / 1,893 or 1,893 / 1,700)				
Shaft type Standard (Option)	1 3/8" 21 splines (1 3/8" 6 splines)			1 3/8" 21 splines (1 3/8" 6 splines or 1 3/4" 20 splines)				
<b>FRONT PTO AND HITCH</b>								
Front PTO 1,000 Speed @ 1,895rpm	○	○	○	○	○	○	○	○
Front hitch lift capacity (kg)	3,568	3,568	3,568	3,785	3,785	3,785	3,785	3,785
<b>FOUR-WHEEL DRIVE AND STEERING (DRIVELINE)</b>								
Type	Electro-hydraulic with management system, differential lock as standard, front axle suspension optional			Electro-hydraulic with management system, differential lock as standard, front axle suspension optional				
ABS Anti-lock braking system	-	-	-	○	○	○	○	○
Front axle suspension	○	○	○	● / Active	● / Active	● / Active	● / Active	● / Active
Steering angle (°)	55	55	55	55	55	55	55	55
Min. turning radius <sup>1)</sup> track setting 1,829mm (m)	5.45	5.45	5.45	6.1	6.1	6.1	6.1	6.1
<b>HYDRAULIC SYSTEM</b>								
System type	Variable displacement, pressure flow compensated pump			Variable displacement, pressure flow compensated pump				
Max. pump flow rate Standard / Optional (l/min)	125 / 140	125 / 140	125 / 140	150 / 170	150 / 170	150 / 170	150 / 170	150 / 170
System pressure (bar)	210	210	210	215	215	215	215	215
Control type	Electronic Hitch Control (EHC) with cushion ride control			Electronic Hitch Control (EHC) with cushion ride control				
Max. lift capacity (kg)	8,257	8,257	8,257	10,460	10,460	10,460	10,460	10,460
OECD lift capacity through range @ 610mm (kg)	6,616	6,616	6,616	8,094	8,094	8,094	8,094	8,094
Max. number of rear remote valves	4 mechanical or 5 electronic			5 electronic				
Max. number of mid mount valves with electronic joystick	3 electr.	3 electr.	3 electr.	4 electr.	4 electr.	4 electr.	4 electr.	4 electr.
Remote valve timer control	0 - 60 seconds on all models			0 - 60 seconds on all models				
Category type	Cat II / III	Cat II / III	Cat II / III	Cat III	Cat III	Cat III	Cat III	Cat III
Slip control	○	○	○	○	○	○	○	○

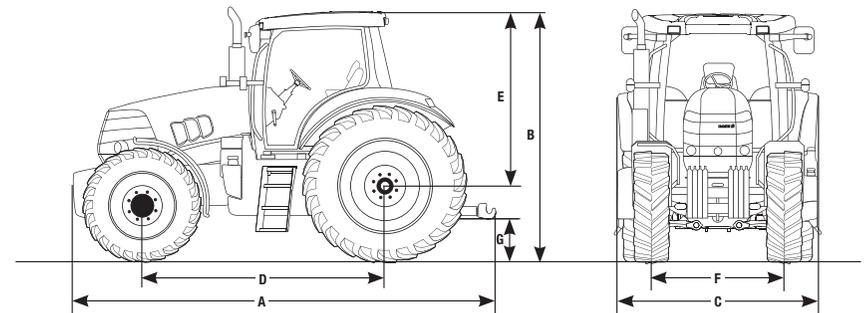
● Standard Equipment ○ Optional Equipment - Not available <sup>1)</sup> With standard tyres <sup>2)</sup> Other tyres on request <sup>3)</sup> ECE R120 correspond to ISO 14396 and 97 / 68 / EC

MODELS	PUMA 130	PUMA 145	PUMA 160	PUMA 170	PUMA 185	PUMA 200	PUMA 215
<b>WEIGHT</b>							
Approximate shipping weight std. / suspended front axle (kg)	6,480 / 6,782	6,480 / 6,782	6,480 / 6,782	6,950 / 7,300	6,950 / 7,300	6,950 / 7,300	6,950 / 7,300
Permissible total weight Class 3 / Class 4 (kg)	10,000 / 10,500	10,000 / 10,500	- / 10,500	- / 13,000	- / 13,000	- / 13,000	- / 13,000
Max. permissible weight front Class 3 / Class 4 (kg)	4,100 / 4,900	4,100 / 4,900	- / 4,900	- / 6,000	- / 6,000	- / 6,000	- / 6,000
Max. permissible weight rear Class 3 / Class 4 (kg)	7,300 / 7,300	7,300 / 7,300	- / 7,800	- / 9,500	- / 9,500	- / 9,500	- / 9,500
<b>DIMENSIONS <sup>1)</sup></b>							
A: Total length (mm)	4,719	4,719	4,719	5,017	5,017	5,017	5,017
B: Total height (mm)	3,070	3,070	3,070	3,090	3,090	3,090	3,090
C: Total width (across rear fenders with 150mm extension) (mm)	2,470	2,470	2,470	2,682	2,682	2,682	2,682
D: Wheel base standard axle / front axle suspension (mm)	2,734 / 2,789	2,734 / 2,789	2,734 / 2,789	2,884 / 2,884	2,884 / 2,884	2,884 / 2,884	2,884 / 2,884
E: Height at centre of rear axle, highest point (susp.cab) (mm)	2,215	2,215	2,215	2,239	2,239	2,239	2,239
F: Track setting front (mm)	1,325-2,285	1,325-2,285	1,325-2,285	1,538-2,260	1,538-2,260	1,538-2,260	1,538-2,260
rear (mm)	1,430-2,230	1,430-2,230	1,430-2,230	1,530-2,230	1,530-2,230	1,530-2,230	1,530-2,230
G: Max. ground clearance under drawbar (mm)	554	554	554	392	392	392	392
<b>STANDARD TYRES <sup>2)</sup></b>							
Front	480 / 70 R28	480 / 70 R28	480 / 70 R28	600 / 65 R28			
Rear	580 / 80 R38	580 / 80 R38	580 / 80 R38	650 / 65 R42			

MODELS	PUMA 130 CVX	PUMA 145 CVX	PUMA 160 CVX	PUMA 170 CVX	PUMA 185 CVX	PUMA 200 CVX	PUMA 215 CVX	PUMA 230 CVX
<b>WEIGHT</b>								
Approximate shipping weight std. / suspended front axle (kg)	6,480 / 6,782	6,480 / 6,782	6,480 / 6,782	6,950 / 7,300	6,950 / 7,300	6,950 / 7,300	6,950 / 7,300	6,950 / 7,300
Permissible total weight Class 3 / Class 4 (kg)	10,000 / 11,000	10,000 / 11,000	- / 11,500	- / 13,000	- / 13,000	- / 13,000	- / 13,000	- / 13,000
Max. permissible weight front Class 3 / Class 4 (kg)	4,100 / 4,900	4,100 / 4,900	- / 4,900	- / 6,000	- / 6,000	- / 6,000	- / 6,000	- / 6,000
Max. permissible weight rear Class 3 / Class 4 (kg)	7,300 / 7,300	7,300 / 7,300	- / 8,500	- / 9,500	- / 9,500	- / 9,500	- / 9,500	- / 9,500
<b>DIMENSIONS <sup>1)</sup></b>								
A: Total length (mm)	4,719	4,719	4,719	5,017	5,017	5,017	5,017	5,017
B: Total height (mm)	3,070	3,070	3,070	3,090	3,090	3,090	3,090	3,090
C: Total width (across rear fenders with 150mm extension) (mm)	2,470	2,470	2,470	2,682	2,682	2,682	2,682	2,682
D: Wheel base standard axle / front axle suspension (mm)	2,734 / 2,789	2,734 / 2,789	2,734 / 2,789	2,884 / 2,884	2,884 / 2,884	2,884 / 2,884	2,884 / 2,884	2,884 / 2,884
E: Height at centre of rear axle, highest point (susp.cab) (mm)	2,215	2,215	2,215	2,239	2,239	2,239	2,239	2,239
F: Track setting front (mm)	1,325-2,285	1,325-2,285	1,325-2,285	1,538-2,260	1,538-2,260	1,538-2,260	1,538-2,260	1,538-2,260
rear (mm)	1,430-2,230	1,430-2,230	1,430-2,230	1,530-2,230	1,530-2,230	1,530-2,230	1,530-2,230	1,530-2,230
G: Max. ground clearance under drawbar (mm)	554	554	554	392	392	392	392	392
<b>STANDARD TYRES <sup>2)</sup></b>								
Front	480 / 70 R28	480 / 70 R28	480 / 70 R28	600 / 65 R28				
Rear	580 / 80 R38	580 / 80 R38	580 / 80 R38	650 / 65 R42				

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

**!** 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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# MADE IN AUSTRIA BUILT WITH PASSION

Every Case IH Puma and Puma CVX 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 its engineers and production workers, as well as its state-of-the-art assembly lines to produce 28 different tractor models ranging from 86 to 228hp(CV) with the highest quality and precision. Ninety percent of tractors produced in St Valentin are exported, carrying its culture of excellence around the world.

## AWARD-WINNING ST. VALENTIN

The CNH Industrial tractor plant in St. Valentin, Austria, performs impressively in the annual World Class Manufacturing (WCM) audit. A success 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 controls follow strict regulations which go far beyond common standards. The clear focus is to deliver machines which are ideal for the individual farmer.

