

TRACTORS SERIE PUMA

POWER AND FLEXIBILITY GIVE A BIG STEP TOWARDS EFFICIENCY

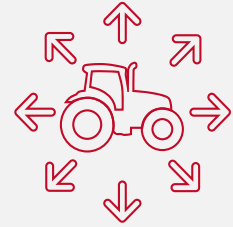
MODELS 200 – 215 – 230



CASE IH

THE FARMING WORLD IS CHANGING. ARE YOU READY?

It is a continuous challenge: a higher demand for food, fiber and fuel; less land available for agriculture; more legislations, regulations and restrictions. To be successful, you need a flexible, adaptable equipment that helps you to meet all these requirements. The new generation of Puma CASE IH tractors offers performance and comfort, as well as features and technology that make them very versatile.



VERSATILITY WITH EFFICIENCY AND AGILITY

ENGINE

- Case IH FPT 6.7L
- Power Boost of up to 35 hp
- Extra power when needed (except 230)

APM

- Up to 24% of fuel savings
- Automatically selects the best gear for work
- Keeps hydraulic speed and flow constant

TURNING RADIUS

- 6.1 meters - smallest in its category
- Class 4 front axle

CAB

- Larger glass area
- Suspension with shock absorbers
- Lower noise level

HIDRAULIC

- 4 remote valves
- 150 liters/minute
- 6,894 kg lifting capacity

TRANSMISSION

- Fully automatic
- Total convenience to the operator
- 18x6



GREAT POWER AND PERFORMANCE IN A VERSATILE TRACTOR OF MEDIUM SIZE.

The new generation of Puma Case IH tractors is flexible enough to handle the work of row crops, livestock, spraying and haymaking. They meet the new Tier III emission standards without compromise power and fuel efficiency. And they are comfortable and intuitive to keep you productive during long day and night hours.

POWER AND PERFORMANCE

It has more power when you need it for rough terrain and steep slopes, and better engine productivity and fuel economy, because it meets Tier III emissions standards. Add a transmission that gets constantly adjusted to provide the best possible balance of power and fuel efficiency - no programming required - and you'll understand what we mean by "improved performance".



MAXIMUM AVAILABILITY

Ground-level access for daily maintenance, clean combustion engines and extended oil and filter change intervals - everything is designed to keep you up and running and with a high availability in the field.

INTUITIVE INNOVATION

Producers work directly with our design engineers to develop, improve and innovate the product. Because no one understands the challenges you are facing better than yourself.

**DESIGNED
TO KEEP OPERATING**

YOU WORK HARD TO PROTECT THE ENVIRONMENT IN YOUR FARM.

HERE IS AN ENVIRONMENT DESIGNED TO PROTECT YOU.

The new generation of Puma Case IH tractors is flexible enough to handle the work of row crops, livestock, spraying and haymaking. They meet the new Tier III emission standards without compromise power and fuel efficiency. And they are comfortable and intuitive to keep you productive during long day and night hours.

WE ARE RAISING THE LEVEL OF CAB COMFORT.

Our suspended cab option is a continuously active and independent system that reduces shock loads by up to 25%. The air-suspended operator's seat provides a comfortable and smooth ride, allowing long working hours. These features are combined to offer a very smooth and comfortable ride during long working hours, resulting in a more precise tractor control.

OPERATOR'S ENVIRONMENT

You are spending more time in the field, and we are spending more time improving the cab comfort. We started with a large and quiet cab with a 360° view and added suspension to the cab and luxury seating options to make your driving more comfortable. Then, we put all the key controls on the tractor in a comfortable armrest. Case IH MultiControl armrest, an item increasingly recognized in Puma tractors, came from other tractors in the high-powered Case IH line and became the standard in the Puma, Magnum™ and Steiger® series of tractors.

+COMFORT
HIGHER PRODUCTIVITY



- MultiControl armrest
- Multifunction lever to control engine speed
- Shift, forward and backward, remote control and lift
- Cover includes additional hitch and hydraulic controls
- Monitor AFS Color Pro 700 (optional)
- Air suspension seat
- Folding seat for instruction
- Instrument panel in column A with tractor key performance data
- Standard foot throttle for easy speed variation

EASY FOR YOUR EYES AND EARS.

The wide visibility of the cab offers plenty of space and an unobstructed 360° view for a clear view of the implements mounted in front and behind the tractor. The instrument panel is located in the column A, in your sight line, so you don't need to be constantly looking down. And it is one of the quietest cabs on the market, ensuring operators comfort.

YOU CANNOT CONTROL THE TIME, BUT YOU CAN CONTROL THE CLIMATE.

Case IH equips your Puma with a temperature control system (hot and cold) and a seat with its own suspension system. There is also a high-capacity lighting option, because your working day doesn't always end at dusk.

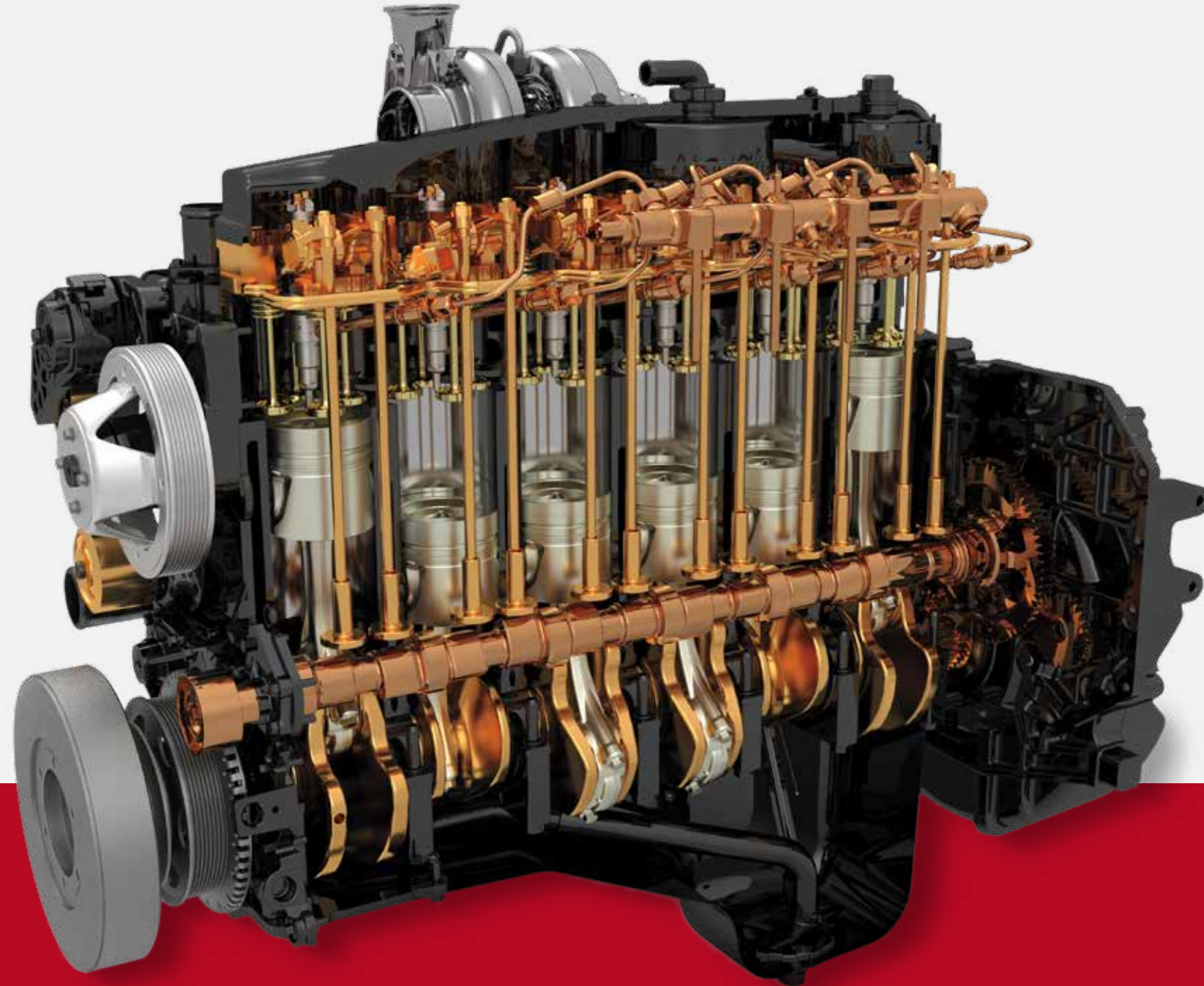
EVERYTHING YOU NEED, AT THE FINGER TIP.

Set and control your speed, change gears, change direction, control the hitch and hydraulics without ever lifting your elbow using the armrest and MultiControl lever. It is practical, comfortable and simple enough for even a newly hired beginner to use. This lever controls up to 85% of the tractor's functions.



MORE USEFUL POWER WHEN AND WHERE YOU NEED IT.

Time is money. So, if the operation requires to be careful when moving your tractor over difficult terrain and to be careful in the use of controls, this can be more expensive due to the longer time spent in these situations. The FullPowerShift transmission configuration (ONLY AVAILABLE IN THE SEGMENT) made available by Case IH for the Puma tractor provides abundant strength, in addition to features such as the Power Boost (power reserve). This extremely reliable package is designed to deliver more power when and where you need it most, keeping your operation constantly productive.



MAR-I FPT ENGINES

New electronic engines with Tier 3 emission level (MAR-I). The engines use the iEGR system (which does the internal gas recirculation). This system has less complexity and is easier and more simple to maintain.

CASE IH HAS YEARS OF EXPERIENCE WITH TRACTORS - TRY THIS ENGINE, WORTHY TO EQUIP YOUR PUMA.

With an efficient power delivery, all Puma Case IH tractors are equipped with a 6.7-liter, 6-cylinder, turbo engine with intercooler. This machine provides excellent fuel efficiency and lower operating costs, thanks in part to technologies developed by Case IH. The engine's Common Rail electronic fuel system provides rapid response on changing field situations. And the extended oil change intervals save time and reduce the maintenance costs.

CHOOSE YOUR POWER LEVEL AND PERFORMANCE.

Whether you need the agility of Puma 200, 215 and 230 tractor models for work or greater wheelbase and more power, the Puma tractor models are ideal for tackling a wide variety of crops and farming tasks. There is a Puma tractor ready for you.

POWER BOOST KEEPS DISPLACEMENT ON THE SPEED NEEDED.

Standard on all Puma tractors (except Puma 230), Power Boost provides additional engine power when you need it. It increases the power of your engine by up to 35 hp to drive at higher speeds or on steep slopes when traveling on roads, for PTO operations and to meet today's increasing hydraulic requirements for larger implements. Meanwhile, the high torque reserve reduces the need for gear shifts at difficult points in the field or at slopes.

EMISSION TECHNOLOGY THAT ALLOWS TO BREATHE BETTER AND SAVE MORE.

A Technology that meets the new Tier III emission standards improves fuel economy and engine performance. Emission controls do not affect engine performance, which in turn maximizes the working period in the field.



**PERFORMANCE
FOR YOUR OPERATION**

EFFICIENT AND DURABLE POWER.

LESS EFFORT. NO PROGRAMMING NEEDED.

Case IH's FullPowerShift Transmission (FPS) offers many benefits. Unique on the market and available on all Puma 200, 215 and 230 series tractors, it offers the best possible balance of power and fuel efficiency. There is no need to program or change your gears manually, as the APM system does it for you, making it easier to use. Combine that with a powerful engine, hydraulic and lifting capacity, and you're ready for an easy day at work.

FULLPOWERSHIFT TRANSMISSION BALANCE BETWEEN POWER AND EFFICIENCY

COMMAND YOUR PUMA WITH COMFORT.

The ergonomics of the SurroundVision cab allow you to get the job done and still feel comfortable enough to move on to the next task.

PROVEN PERFORMANCE OF AN ENGINE READY FOR EVERYTHING.

The proven 6.7L FPT NEF 6 engine provides Puma series tractors with agility and fuel efficiency, backed by Case IH technology.

AXLES MANUFACTURED TO BE BETTER.

The standard Class IV HD Auxiliary Front Traction (TDA) axle provides excellent field traction and comes with 4 planetariums to tackle any field activity.

SAVE TIME AND FUEL AND MAKE FEWER SHIFT CHANGES.

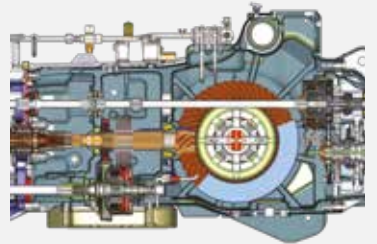
APM (automatic productivity management) technology automatically selects the best gear for the desired speed. Therefore, there is no need to change gears all the time. Just set the engine speed, and the tractor selects the ideal gear between power and fuel efficiency. It's simple, intuitive, easy to operate and most efficient when you really need it in the field.

FULLPOWERSHIFT TRANSMISSION (FPS) IMPROVING EFFICIENCY AT ANY SPEED.

Available on all Puma 200, 215 and 230 models, the FPS transmission operates from 0 to 40 km/h, with 18 speeds in front and 6 in reverse.

SAVE UP TO 24% FUEL WITH FPS AND DIESEL SAVER™

The FPS transmission provides the best balance of power and fuel efficiency. At the same time, automatic diesel economy productivity management (APM) automatically works to select the gear for the engine speed in use and, thus, ensures an adequate fuel usage for any power requirement. Even in field or transportation operation, the APM Diesel Saver system works to maximize productivity and fuel economy.



INNOVATIONS BORN IN THE FIELD.

BECAUSE NO ONE UNDERSTANDS THE CHALLENGES YOU ARE FACING BETTER THAN YOURSELF.

Our customers are the driving force behind the best innovations of Puma tractors. That's because Case IH engineers work with producers in the field, then use their feedback to build even better tractors, tools and technologies. We call this process Customer-Driven Product Development (CDPD). That's how we meet your demands for power, performance and comfort in the field for any type of operation, in grains, sugarcane and others.

APM DIESEL SAVER ALLOWS YOU TO FORGET THE ASSUMPTIONS.

You no longer need to guess which gear and rpm combination works best for fuel efficiency. The automatic diesel economy productivity management system (APM) manages the engine, transmission, PTO and coupling to the

MultiControl and foot throttle. You choose your working rotation, and the Diesel Saver keeps the speed of travel and operation of the PTO constant - regardless of bad field conditions or steep slopes. Diesel Saver operates by automatically finding the best gear and the best balance to reduce consumption and improve productivity.



STANDARDS WITH LOW OPERATIONAL COST AND BETTER FUEL EFFICIENCY.

The Case IH technology present on all Puma 200, 215 and 230 tractor models reduces emissions, improving power and responsiveness, fuel economy and engine reliability. Emission controls do not affect engine performance. In fact, Case IH's technology offers around 2% improvement in operational consumption if compared to the previous version. It is an innovative approach created based on farmers request to have a way to meet the most demanding government standards without sacrificing production. And that makes Case IH the best solution for engines with more than 100 hp.

DO NOT WAIT ANYMORE ACCURACY FARMING: PLUG AND PLAY DIRECT FROM FACTORY

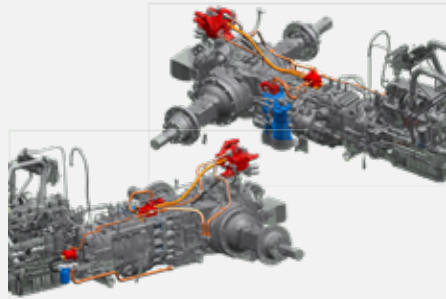
It is the fastest growing feature of farming tractors for one reason: the AFS Case IH precision farming system increases productivity and reduces costs. With the option of complete installation of automatic factory guidance on Puma tractors, there is no waiting for installation and preparation. You choose your level of accuracy, and your Puma comes ready to plug and play.



PUMA SERIES NEWS

1 HIGHER HYDRAULIC FLOW

- New system composed by a hydraulic pump with higher flow, adding 30 l/min if compared to what the previous model delivered.
 - Remote valve now has a flow rate from 96 to 110 l/min.
 - New hydraulic suction filter with higher capacity.
- This new flow will provide faster hydraulic operations for different types of attachments and variable rate compatibility for Easy Riser 3200 planters.



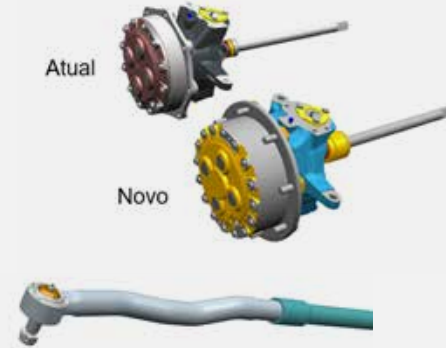
2 NEW LED ROOF AND HEADLIGHTS

- There will be a total of 12 LED working lights, as follows:
- 6 LED headlights at the rear;
 - 6 LED headlights at the front.



3 NEW FRONT AXLE AND TIE ROD

- New Hub in Nodular Cast Iron material, bringing even more robustness.
- New fixation of the hub-sleeve assembly by flange with screws.
- New planetary gears.
- Bearings with higher load capacity.
- Tie rod with forged terminal, similar to Magnum.



4 NEW DRAWBAR

- New drawbar category 3 for grains and cane.
- Reinforcement in the bar support, attachment point and PTO housing.
- Higher load capacity.



5 NEW TRANSMISSION SOFTWARE

APM - Automatic Puma Productivity Management with Full Powershift transmission even better. The option to adjust the APM sensitivity configuration, a configuration already available in Puma SPS, has now been extended to Puma FPS. This new software allows to configure the sensitivity in the gear change according to the variation in the engine speed.

Examples of use:

- PTO-connected implements: 5 to 10% change in sensitivity;
 - Low variation at engine speed already changes gears to keep the PTO speed.
- Transportation: 20%;
 - Software seeks maximum engine power.
- Soil preparation: 15 a 30%.
 - Allows the engine to use torque reserve before changing gears.

6 OPTIONAL FACTORY FRONT HYDRAULIC LIFT

- Factory original front lift.
- Optional in the product configuration.
- PTO 1000 rpm @ 2036rpm, counterclockwise viewed from the front.
- Foldable lower arms.
- Lift capacity 3,950 kg at the locking eye.
- Lift capacity 3,620 kg at 610 mm from the locking eye to the Magnum.



SERIE PUMA

MANY NEWS, A NEW LEVEL

HYDRAULIC SYSTEM

HYDRAULIC SYSTEM

A system that aims to meet the highest demand for hydraulic flow is available for the entire line of Puma tractors.

See below some important features:

- Closed center pressure and flow compensated PFC pump;
- High flow for the standard 180 liter/minute category;
- Four hydraulic valves;
- Hydraulic return valve with drain.

The tractor offers 4 remote control valves with technology that allows better responses to commands and more precise flow control.

HYDRAULIC LIFT SYSTEM

- Steel drive shaft for cast arms.
- Provides more space for auxiliary valves.
- Larger cylinders to keep the lifting capacity with a diameter of 110 mm.
- Lower couplings equal to the current ones.
- Lift capacity of 6,894 kg.



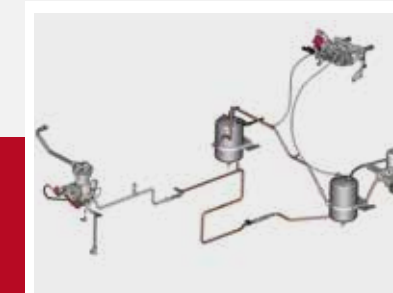
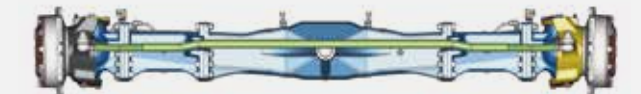
SPECIAL CONFIGURATIONS TO USE IN SUGAR CANE.

- Pneumatic brake kit.
- Drawbar with ball pin coupling.
- All Puma tractors already leave the factory with a predisposition for AFS Guide autopilot, including all electrical and hydraulic parts, being necessary to use the autopilot in the field: mounting of monitor, antenna and navigation control module.
- Specific tire configuration for the sugar cane market, providing better traction capacity and high performance:
- Reinforced front axle of Class IV HD category: ideal for heavy services and high durability.
- Full version with monitor, browser and also RTK/RTX antenna.
- High capacity 3-point hydraulic lift. Configured with category III lift with a capacity of up to 6,894 kg.
- Kit Cana, composed by a front axle to work with gauges of 3 meters width, pneumatic brakes to use with overflows and ball pin coupling.
- Shaft assembled with extension to meet gauges of 3 meters.

Cane version tires

Front 600/65R28 A8 R1W

Rear 710/70R38 A8 R1W



Pneumatic brake kit



AFS Guide



Drawbar with ball pin coupling.

GREAT POWER AND PERFORMANCE IN A VERSATILE TRACTOR OF MEDIUM SIZE.

THEY ARE READY FOR EVERYTHING, FROM LIVESTOCK, SOIL PREPARATION, PLANTING AND CANEY OPERATIONS. MULTI-USE TRACTORS FOR ANY FARMING USAGE.

Puma tractors provide the ideal size and power for a wide variety of livestock operations, soil preparation, planting, pulling overflows in sugar cane, balers and any other usage type. From working with harrows, planters, balers or with cane and grain overflows, Puma tractors provide the exact power you need for maximum efficiency and fuel economy.

MEET THE TRACTOR THAT SHORTENS THE WORK IN A LONG TASK LIST

There is no power shortage on the Puma 200, 215 and 230 tractors, with increased power and Power Boost (except for the Puma 230) to help you overcome difficult conditions or steep slopes. These Puma tractors have also many innovations, such as the multifunction armrest, multifunctional lever, high capacity electronic hydraulic lift

and high flow piston pump of 150 liters/minute. Now, add the FullPowerShift transmission and the FPT NEF 6 engine with Tier III emission levels to them and you will have an agile, easy to operate, fuel efficient tractor that can meet your demands.

Built for flexibility and stability, the Puma 200, 215 and 230 models are designed to handle a variety of applications in farming operations. They come with plenty of power, as well as innovations like FullPowerShift transmission, AFS precision and Case IH technology to meet farmers' high standards. These multipurpose machines are efficient and easy to operate, with plenty of features to keep the operator comfortable, even when their workday extends into the night.

**PUMA SERIES, MODELS
200 - 215 - 230**



ROBUST COMPONENTS AND EASY MAINTENANCE. BECAUSE THERE CANNOT HAVE A DOWNTIME.

It is the nature of today's farming: producers need to prepare more land in less time. You cannot afford to be left out because of expensive service and extended maintenance. That's why we designed Puma tractors with robust Case IH components that provide years of reliable service. That is why features such as the easy-to-open hood, convenient service steps to the cab and easy access to any system have been added, making the cleaning and periodic maintenance easier. Daily maintenance checks are quick, easy and at eye level.



SPECIFICATIONS

MODELS	Puma 200	Puma 215	Puma 230
ENGINE			
Number of cylinders / type	6 / Turbo with intercooler		
Capacity	6.7 L		
Inner diameter x stroke	104 x 132 mm		
Rated power ECE R120 (1)	197 hp	213 hp	234 hp
Maximum power ECE R120 (1)	212 hp	223 hp	241 hp
Maximum power with boost ECE R120 (1)	234 hp	238 hp	-
Rated engine speed	2,200 rpm		
Maximum torque (Nm / rpm)	860/1.400	866/1.400	965/1.600
torque reserve	37%	27%	30%
Fuel tank	410 liters		
TRANSMISSION			
FullPowerShift 18x6 with Autoshift TM	Standard		
Powershuttle	Standard		
Rear axle differential lock type	Electro-hydraulic drive		
Service brake	Self-adjusting oil-bath disc brake		
FOUR-WHEEL DRIVE AND STEERING			
Type	Electro-hydraulic drive		
Steering angle (°)	55		
Minimum turning radius, gauge setting 1,829 mm	6.1 m		
POWER TAKE-OFF			
Type	Electro-hydraulic		
Standard / speed options	540E/1,000		
Engine speed standard / options	1,569/1,893 rpm		
Shaft type	1 3/8" 21 grooves 1 3/8" 6 grooves		
HYDRAULIC SYSTEM			
Main hydraulic system flow	180 L/min		
System pressure	215 bar		
Pump type	PFC		

MODELS	Puma 200	Puma 215	Puma 230
Maximum lifting capacity	6,894 kg		
Number of remote control valves	4 mechanical valves		
Category Type	Cat. III		
FRONT HYDRAULIC SYSTEM			
Front lift	Optional		
PTO	1.000 rpm @ 2.036rpm, counterclockwise viewed from the front.		
Foldable	Lower arms		
Lift capacity	3,950 kg at the locking eye		
Lift capacity	3,620 kg at 610 mm in the locking eye		
WEIGHT			
Maximum additional weight for traction operations allowed	13,000 kg		
TIRE OPTIONS			
Available	600/65R28 A8 R1W front and 710/70R38 A8 R1W rear		
Available	600/65R28 A8 R1W MICHELIN front and 710/70R38 A8 R1W MICHELIN rear		
Available	600/65R28 A8 R1W front and 20.8R42 A8 R1W DUAL rear		
Available	16.9R30 A8 R1W front and 20.8R42 A8 R1W DUAL rear		
Available	16.9R30 R2 front and 20.8R42 R2 DUAL rear		
DIMENSIONS			
Total length	4,916 mm		
Total height	3,100 mm		
Overall width (between rear bumpers of 150 mm long)	2,682 mm		
Wheel base	2,884 mm		
Height at center of rear shaft / highest point	2,240 mm		
Front gauge adjustment	1,552 - 2,269 mm		
Rear gauge adjustment	1,524 - 2,438 mm		
(1) ECE R120 corresponds to ISO14396			

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Contact for Customer Service.
 24 hours per 7 days a week.

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