

# PUMA® SERIES TRACTORS

**CASE IH**  
AGRICULTURE



## THE WORLD OF FARMING IS CHANGING. WILL YOU BE READY?

It's a constant challenge: more demand for food, fiber and fuel; less available land to grow it on; more mandates, regulations and restrictions. To succeed, you need flexible, adaptable equipment that helps you deliver on all these demands. The new generation of Case IH Puma tractors delivers, with big iron power, performance and comfort – plus features and technology almost as versatile as you are.

**BE READY.**





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## **BIG IRON POWER AND PERFORMANCE IN A VERSATILE, MID-SIZE TRACTOR.**

The new generation of Case IH Puma tractors is flexible enough to handle row crop work, livestock chores, spraying and haying. They meet tough new EPA emissions regulations, without sacrificing power or fuel efficiency. And they're comfortable and intuitive, to keep you productive during long days and nights.



## OPERATOR ENVIRONMENT

You're spending more time in the field, and we're spending more time improving cab comfort. We started with a big, quiet cab and a 360° view, and added cab suspension and luxury seat options to make your ride even smoother. Then we placed all the key tractor controls on a comfortable armrest. The Case IH MultiControl armrest, first introduced in Puma tractors, has been integrated into the other high horsepower Case IH tractor lines and has become the standard platform in the Puma, Magnum™ and Steiger® tractor series. (For more, see pages 3-4.)

## POWER AND PERFORMANCE

There's more horsepower when you need it for tough spots and steep hills, and better engine productivity and fuel economy while meeting Tier 4 emissions standards. Add a transmission that constantly adjusts to provide the best possible balance of power and fuel efficiency – with no programming required – and you'll see what we mean by “improved performance.” (For more, see pages 8-9.)

## INTUITIVE INNOVATION

Producers work directly with our design engineers to develop, improve and innovate red iron. Because no one understands the challenges you're facing better than you do. (For more, see pages 12-13.)

## MAXIMUM UPTIME

Ground level access for daily maintenance, clean combustion engines and 600-hour oil and filter change intervals – it's all designed to keep you up and running. (Fore more, see pages 20-21.)



## YOU WORK HARD TO PROTECT THE ENVIRONMENT ON YOUR FARM. HERE'S AN ENVIRONMENT DESIGNED TO PROTECT YOU.

This operator environment may seem familiar – the outstanding visibility in all directions, the suspended cab and smooth ride, the MultiControl Armrest that puts all the major tractor controls at your fingertips. It should. It's the same comfortable set-up you'll find in all Case IH Steiger®, Magnum™ and Puma Series tractors.



### WE'RE TAKING "CAB COMFORT" TO A WHOLE NEW LEVEL.

Our suspended cab option is a continuously active, stand-alone system that reduces shock loads by 25 percent. A suspended front axle option automatically self-levels according to load. The optional heated Positive Response seat is equipped with a seat suspension sensor that reacts 500 times a second. These features combine to deliver the ultimate smooth, comfortable ride during long days of work, while giving you more precise control of the tractor.

### EASY ON YOUR EYES AND YOUR EARS.

The SurroundVision cab gives you plenty of room to move and an unobstructed 360 degree view, for clear sight to front- and rear-mounted implements. The shatterproof roof panel – standard in the Puma 130-160, optional in the Puma 170-230 models – lets you keep an eye on your loader in the raised position. The instrumentation cluster is located on the A post in your line of sight, so you don't have to constantly look down. And it's one of the quietest cabs on the market, so you can use your phone while you work, talk to your partner, or just hear yourself think.



### EVERYTHING YOU NEED, RIGHT AT YOUR FINGERTIPS.

Set and control your speed, shift gears, change direction, control the hitch and hydraulics without ever lifting your elbow with the MultiControl armrest and MultiControl handle. It's convenient, comfortable and simple enough for even a rookie hired hand to use.

- A** MULTICONTROL ARMREST
- B** MULTICONTROL HANDLE FOR ENGINE SPEED, GEAR, SHUTTLE, HITCH AND HYDRAULIC REMOTE
- C** FLIP-OPEN COVER FOR ADDITIONAL HITCH AND HYDRAULIC CONTROLS
- D** AFS PRO 700 COLOR DISPLAY OPTION
- E** SUSPENDED SEAT OPTION WITH ACTIVE SUSPENSION
- F** FOLD-DOWN INSTRUCTIONAL SEAT
- G** A-POST INSTRUMENT CLUSTER WITH KEY TRACTOR PERFORMANCE DATA
- H** STANDARD FOOT THROTTLE FOR EASY SHUTTLING



**YOU CAN'T CONTROL THE WEATHER, BUT YOU CAN CONTROL THE CLIMATE.**

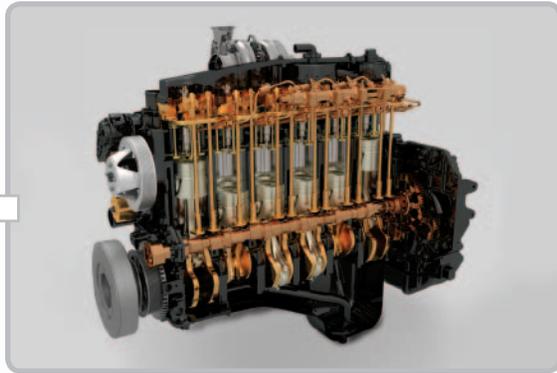
Case IH can equip your Puma with an automatic Climate Control system, a premium heated seat with its own suspension system, or a grid heater starting aid for fast, reliable starts in frigid weather. There's also a High Intensity (HID) lighting option that's five to six times brighter than standard lighting, and lasts 6,000 hours longer – because your work day doesn't always end at sundown.



## MORE USABLE HORSEPOWER WHEN AND WHERE YOU NEED IT.

Time is money. So slowing down on hilly terrain, tiptoeing through tough spots in the field, even spending too much time controlling your tractor, can all cost you. The Case IH Puma lineup has plenty of power in a mid-size package, plus features like Power Boost, Power Growth, and the Continuously Variable Transmission (CVT) option – to deliver more power when and where you need it most, while keeping you productive .





**YEARS OF EXPERIENCE IN CASE IH MAXXUM TRACTORS – AND MORE RECENTLY THE MAGNUM LINE – PROVE THIS ENGINE’S WORTHY TO POWER YOUR PUMA.**

Delivering Efficient Power, all Puma tractors sport a Case IH 6.7-liter, 6 cylinder, turbocharged, intercooled engine. This power plant provides outstanding fuel efficiency and lower operating costs, thanks in part to Selective Catalytic Reduction (SCR) technology that meets new emissions requirements. The engine’s Electronic Common Rail fuel system gives you fast response in changing field conditions. And the extended oil change intervals save you time and maintenance costs.



**POWER BOOST KEEPS YOU MOVING AT THE SPEED YOU NEED.**

Standard on all Puma tractors, Power Boost delivers additional engine horsepower when you need it. It boosts your engine by up to 35 HP for driving at high speeds or on steep grades during road transport, for PTO operations and to meet the increased hydraulic demands of today’s larger implements. Meanwhile, engine Power Growth reduces the need to shift in tough spots in the field or on hills.



**EMISSIONS TECHNOLOGY THAT LETS YOU BREATHE EASY AND GOES EASY ON YOUR WALLET.**

SCR technology meets tough new Tier 4A emissions standards while improving fuel economy and engine performance. Because SCR emission controls are separate from the engine, they don’t affect engine performance. This post-combustion process allows a more complete fuel burn and requires less cooling in high horsepower applications. It also lengthens service intervals because eliminating exhaust gas recirculation keeps engine oil cleaner, which reduces maintenance requirements and maximizes uptime in the field.

**PICK YOUR LEVEL OF POWER AND PERFORMANCE.**

Whether you need the agility of the Puma 130–160 tractor models for loader work, or the longer wheelbase and higher horsepower of the Puma 170–230 tractor models to tackle a wide variety of mixed crop and livestock chores – there’s a Puma tractor ready for you.



## DURABLE, EFFICIENT POWER. LESS EFFORT. NO PROGRAMMING REQUIRED.

The Case IH Continuously Variable Transmission (CVT) goes easy on you, your wallet, even your new hired hand. Available on all Puma Series tractors, CVT continually adjusts to deliver the best possible balance of power and fuel efficiency. There's no need to program or change your settings, so you can ride easy. Combine that with a powerful engine, and plenty of hydraulics and lift capacity and you're ready for an easy day's work.

### COMMAND YOUR PUMA SERIES IN COMFORT

The ergonomic SurroundVision cab allows you to get your work done and still be comfortable enough to move on to the next chore that awaits.

### PROVEN PERFORMANCE FROM AN ENGINE READY FOR ANYTHING

The proven 6.7L Case IH engine from FPT provides Puma Series tractors with responsive, fuel efficient power enabled by Selective Catalytic Reduction (SCR) technology.

### AXLES BUILT FOR GETTING MORE DONE.

Standard Mechanical Front Drive (MFD) axle with optional suspension provides excellent traction in the field, or a durable support for front loader demands.



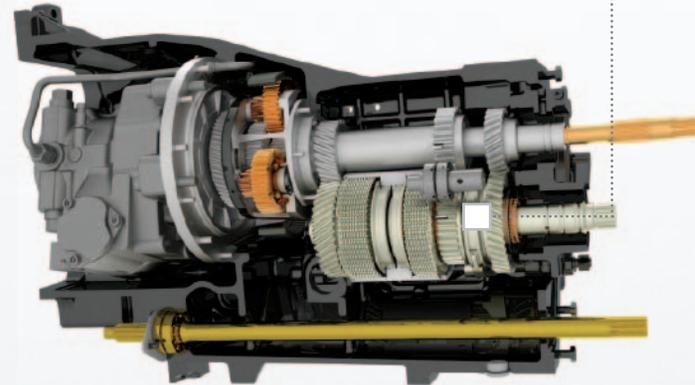


## CVT NOW AVAILABLE ON ALL PUMA MODELS, IMPROVING EFFICIENCY AT EVERY SPEED

Available on all Tier 4A Puma models, CVT operates from 0 to 30 mph, with reverse speeds up to 12 mph – and a creeper speed as low as 66 feet per hour.

### SAVE TIME. SAVE FUEL. STOP SHIFTING.

CVT technology automatically selects the best gear ratio for your desired speed. So you don't have to clutch or shift gears. Just set your speed and the computer finds the sweet spot between power and fuel efficiency. It's simple, intuitive, easy to operate and most efficient when you really need it – working at field speeds.



### SAVE UP TO 25 PERCENT ON YOUR FUEL BILL WITH CVT AND DIESEL SAVER.™

CVT delivers the ideal balance of power and fuel efficiency. Meanwhile, Diesel Saver Auto Productivity Management (APM) automatically works to reduce engine speed and fuel use when you don't need power. So whether you're creeping along at 98 feet per hour or going 30 mph, CVT and Diesel Saver work together to maximize productivity and fuel savings.

## **INNOVATIONS BORN IN THE FIELD VS. THE BOARD ROOM. BECAUSE NO ONE UNDERSTANDS THE CHALLENGES YOU'RE FACING BETTER THAN YOU.**

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





**EMISSIONS TECHNOLOGY THAT MEETS STRINGENT TIER 4A STANDARDS, WITH LOWER OPERATING COSTS AND BETTER FUEL EFFICIENCY.**

That's Case IH SCR technology, now at work in all Case IH Puma, Magnum® and Steiger® tractors, Axial-Flow® combines and Patriot® sprayers. SCR technology lowers emissions while improving engine horsepower capability, engine responsiveness, fuel economy and engine reliability. Because SCR emission controls are separate from the engine, they don't affect engine performance. In fact, Case IH SCR technology delivers an average of 10 percent operating cost improvement. It's an innovative approach created from listening to farmers who asked for a way to meet more exacting government standards without sacrificing production. And it makes SCR the superior solution for engines over 100 hp.



**DIESEL SAVER LETS YOU GIVE UP THE GUESSWORK.**

There's no more guessing what gear and RPM combination works best for fuel efficiency. The Diesel Saver Automatic Productivity Management (APM) system electronically links the engine, transmission, PTO and hitch to the MultiControl armrest and foot throttle. You choose your working speed, and Diesel Saver keeps the ground speed and PTO operation constant – despite tough spots in the field or steep hills. Diesel Saver operates with the lowest possible engine speed, and automatically finds the best balance to reduce your fuel use and increase productivity.



**NO WAITING: PLUG-AND-PLAY AUTOGUIDANCE STRAIGHT FROM THE FACTORY.**

It's the fastest growing feature on farm tractors for a reason: autoguidance increases productivity and reduces costs. With the complete factory-installed autoguidance option on Puma tractors, there's no waiting for set-up and prep. You choose your level of precision, and your Puma comes ready to plug and play.



## THEY'RE READY FOR ANYTHING, FROM LIVESTOCK AND LOADER CHORES TO ROW CROP WORK.

Puma tractors provide the right size and power for a wide variety of livestock and mixed crop operations. From mower conditioner, baler or loader work to pulling mid-size row crop tools, Puma tractors deliver the precise power you need for peak efficiency and fuel economy.



**MEET THE TRACTOR THAT MAKES SHORT WORK OF A LONG CHORE LIST.**

There's no shortage of power on Puma 130-160 tractors, with increased horsepower and Power Boost to get you through tough conditions or steep inclines. These Puma tractors are also long on loader innovations, like the MultiControl armrest, electro-hydraulic joystick and Turn Assist steering. Now add in the CVT transmission and Tier 4A emissions-compliant SCR engine and you've got an agile, easy-to-operate, fuel-efficient chore tractor that can keep up with your demands.

**BIG IRON POWER AND PERFORMANCE IN A MID-SIZE WORKHORSE.**

Built for flexibility and stability, Puma 170-230 models are designed to handle a variety of applications on mixed crop and livestock operations. They come loaded with plenty of power, plus innovations like the CVT transmission, AFS precision, and SCR technology to meet Tier 4A emissions standards. These multi-tasking machines are fuel efficient and easy to operate, with plenty of features to keep you comfortable even when your workday extends past dark.



## DESIGNED FOR LOADER WORK, WITH ADDED INNOVATIONS THAT LIGHTEN YOUR LOAD.

Case IH Puma tractors are engineered for loader chores, with great visibility without blind spots, and conveniently located loader controls. Through our Customer Driven Product Design (CDPD) process, we've developed additional features that make a long day of loader work easier – and keep you more comfortable. Features like Turn Assist, the MultiControl Armrest and electro-hydraulic joystick. It's all designed to let you move more loads with less effort.



### A CLEAR VIEW AND ROOM TO MANEUVER.

The new sculpted hood improves visibility and maneuverability, for a tighter turning radius and more room for the tires in uneven terrain.

### HYDRAULIC POWER AND CONTROL – READY WHEN YOU NEED IT.

The powerful Pressure Flow Compensating (PFC) load-sensing hydraulic system ensures responsive control. It reduces heat load on the tractor, and leaves more power ready for the loader.



### WORK YOUR LOADER LONGER, WITH LESS EFFORT AND FATIGUE.

With Turn Assist, you can make full left or right turns by turning the steering wheel just 8 degrees, making long hours of loader cycling an easier task.



### KEY TRACTOR FUNCTION AND LOADER CONTROLS, ALL WITHIN EASY REACH.

Thanks to the MultiControl armrest and electro-hydraulic joystick, you have key controls literally at your fingertips. The MultiControl armrest controls the throttle, transmission, forward-reverse shuttle, the No. 1 hydraulic valve and the 3-point hitch. The electro-hydraulic joystick controls the loader and rear remotes. Through the touch of a button on the MultiControl armrest's integrated control pad, you can program the joystick to operate up to four electronic rear remote valves – a handy way to control implements like swing frame mowers and rear blades.



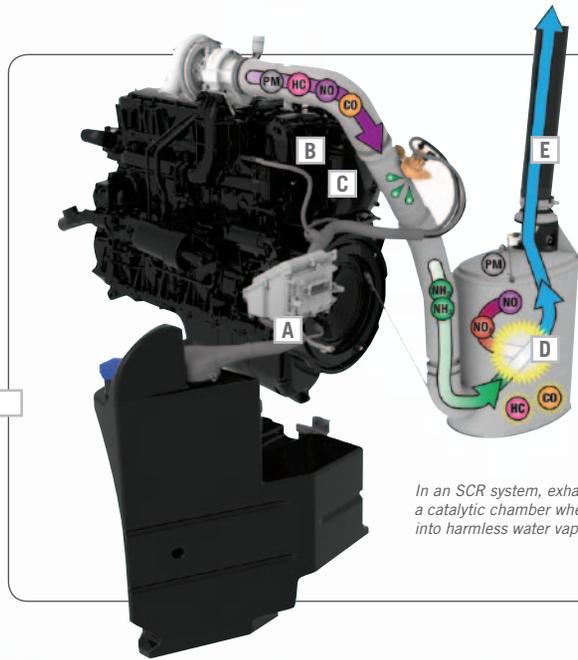
SPECIFICATIONS FOR CASE IH PUMA SERIES LOADERS*	L760 FOR PUMA 130-185	L770 FOR PUMA 170-230	L780 FOR PUMA 200-230
Lift Capacity at Maximum Height at 31.5 in. (800 mm) Forward of the Pivot Pin – Self-Leveling	4,650 lb. (2 109 kg)	4,900 lb. (2 223 kg)	6,768 lb. (3 070 kg)
Breakout Force at 31.5 in (800mm) - Self-Leveling	5,800 lb. (2 427 kg)	5,800 Lb. (2 631 kg)	7,738 lb. (3 510 kg)
Lift Capacity at Maximum Height at Pins – Self-Leveling	5,350 lb. (2 427 kg)	5,450 lb. (2 472 kg)	7,408 lb. (3 360 kg)
Breakout Force at Pins – Self-Leveling	6,300 lb. (2 858 kg)	6,650 lb. (3 016 kg)	9,237 lb. (4 190 kg)
Maximum Lift Height	169 in. (4.29 m)	178 in. (4.52 m)	194 in. (4.93 m)
Maximum Lift Height Under Level Bucket	157 in. (3.99 m)	166 in. (4.22 m)	183 in. (4.65 m)
Clearance with Bucket Dumped	131 in. (3.33 m)	140 in. (3.56 m)	157 in. (3.99 m)
Reach at Maximum Lift Height	29 in. (0.74 m)	29 in. (0.74 m)	29 in. (0.74 m)
Maximum Dump Angle	56°	55°	52°
Reach at Ground Line	104 in. (2.64 m)	113 in. (2.87 m)	117 in. (2.97 m)
Bucket Rollback Angle	41°	43°	45°
Digging Depth	4 in. (102 mm)	6 in. (152 mm)	7 in. (178 mm)

**Standard Features Case IH Puma Series Loader\*:** Quick-Attach Design, 4-Bar Bucket Linkage, Bucket-Level Indicator, Parking Stand

\* Loader specifications are subject to change and may vary based on tractor model, hydraulic system and tire size.

## CASE IH SCR TECHNOLOGY – MORE PRODUCTIVITY, LESS FUEL.

For the first time since the U.S. and Canadian Environmental Protection Agencies (EPA) and the European Union (EU) began tightening emissions requirements, producers have the opportunity to reap environmental rewards without taking a performance hit. Case IH Selective Catalytic Reduction (SCR) technology improves horsepower, engine responsiveness, fuel economy and durability, all while lowering emissions. It's innovation that meets government standards without sacrificing production.



*In an SCR system, exhaust gas enters a catalytic chamber where it breaks down into harmless water vapor and nitrogen.*

- A** DEF Supply Module controls the supply of DEF to DEF injector.
- B** Exhaust gases leave the turbo outlet and travel to DEF injector location.
- C** DEF injector injects a light mist of DEF into exhaust stream.
- D** DEF mixes with exhaust gas and neutralizes NOx.
- E** During the reaction, harmless nitrogen vapor and water vapor is released through the exhaust stack.

### TEN PERCENT LOWER OPERATING COSTS, AND EXHAUST AS CLEAN AS THE INTAKE AIR.

The SCR after-treatment system converts nitrogen oxides into nitrogen and water. The change is triggered by a non-toxic, mixture called Diesel Exhaust Fluid (DEF). Plus, the engine design maximizes power and performance, which reduces particulate matter created by incomplete fuel burning. Your bottom line: 10 percent lower total operating costs.

### SCR ISN'T PART OF YOUR ENGINE. SO YOU GET MORE POWER, BETTER FUEL ECONOMY AND MORE FLEXIBILITY IN FUEL CHOICE.

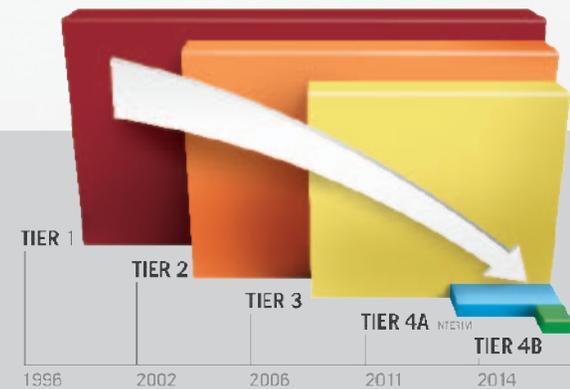
SCR maximizes horsepower because the system is separate from the engine. This design also leads to better fuel economy and improved engine durability, while giving you more flexibility to choose among diesel fuel varieties and grades. And it's been tested. Case IH sources engines from sister company FPT Powertrain Technologies, which has years of experience with SCR. Since 2006, FPT has sold more than 100,000 vehicles equipped with SCR technology.

### WE WORK WITH YOU, SO WE'RE ALL READY TO MEET NEW CHALLENGES.

Case IH has a full team of professionals to help you tailor your equipment to fit the way you farm. Product specialists, technical service managers, customer support and field service staff all stand ready to work with dealers and producers in a seamless system.

### NEW STANDARDS ARE HERE. ARE YOU READY?

Tier 4 emissions regulations started in 2011 with an interim phase and take full effect in 2014. The 2014 limits represent a 90 percent reduction since 1996 in nitrogen oxides and particulate matter. Nitrogen oxides affect weather conditions that could lower crop yields. Particulate matter is soot, or unburned fuel, that appears as black smoke. Both are created during the combustion process.



EPA allowable levels of emissions (PM/NOx).

## RUGGED COMPONENTS AND EASY MAINTENANCE. BECAUSE THERE'S NO TIME FOR DOWN-TIME.

It's the nature of farming today – producers need to cover more ground in less time. You can't afford to be sidelined for costly service or lengthy maintenance. That's why we engineered Puma tractors with rugged Case IH components proven to provide years of reliable service. And why we added features like the easy-opening hood, convenient service steps to the cab and a right-hand service access door for easy cleanout and serviceability. We also made sure that daily maintenance checks are quick, easy – and at eye level.





### **AN ENGINE THAT ACTUALLY SAVES YOU TIME AND MONEY.**

Oil and filters are a significant maintenance cost. On Case IH clean combustion engines, our 600-hour engine oil and filter service intervals save you time and money.

### **KEEP YOUR BOOTS ON THE GROUND.**

With ground-level maintenance access, you check the engine and transmission oil without raising the hood. And the radiator and coolers fold out for easy cleaning.



### **YOUR PUMA NEEDS TO RUN THE FIRST TIME, AND EVERY TIME.**

Case IH high-quality manufacturing means your tractor and components live a longer life, offer exceptional productivity and reduce your cost of ownership. For instance, the helical cut gears reduce noise levels and increase durability, quality and reliability, while delivering more efficient transfer of power.



### **LIGHTS TO LET YOU RUN AT NIGHT.**

When working all day isn't enough, Case IH High Intensity Discharge (HID) lights produce three times the light of conventional halogen bulbs. They're more durable than filament bulbs, and require about 40 percent less power, which reduces the load on your alternator.

## PLUG AND PLAY AUTOGUIDANCE READY — RIGHT FROM THE FACTORY.

It's the fastest growing feature on farm tractors for a reason. Autoguidance increases productivity and reduces costs. All Puma tractors can now be ordered AFS AccuGuide complete right from the factory. So your precision system is ready to go when your Puma rolls off the line. The benefits? Building the system with the tractor at the plant ensures correct installation, testing and quality. You can roll your precision system into your Puma financing package. And installation and set-up at the dealership moves that much faster.



**AFS**

## PRECISION COMPONENTS THAT FIT THE WAY YOU FARM.

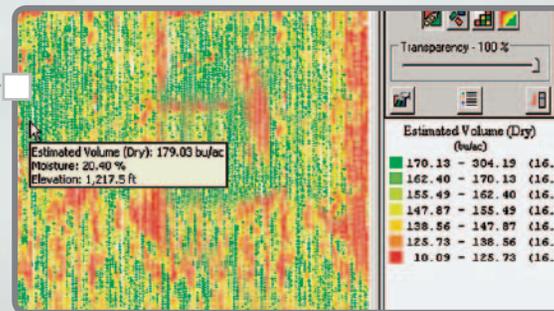
AFS AccuGuide is an easy-to-use autoguidance system that eliminates the need to steer in open fields. You choose the level of accuracy, from 1-foot to sub-inch, depending on your needs. The display, controller and receiver are fully portable – they can move freely from tractor to sprayer to combine.

## STRAIGHT. IDENTICAL. REPEATABLE.

The Case IH AFS AccuGuide system saves input costs by maintaining perfectly straight, repeatable rows, reducing skips and overlaps and eliminating the guesswork of row spacing. It also controls traffic patterns and decreases compaction, setting you up for higher yields. Less steering, less waste, less guesswork, less stress. It all adds up.

## GROW THE WAY YOU WANT TO.

From tractor guidance to row shutoff on your planter, yield and moisture mapping on your combine, to variable rate technology on your sprayer, Case IH can personalize your precision level to match your comfort level.



## SAVE TIME AND FRUSTRATION WITH THE PRO 700 MONITOR.

It's large screen is easy to read and operate, and it's conveniently located on either the armrest or the monitor mounting bar – whichever you choose. In addition to guidance, the Pro 700 display also integrates all Puma tractor settings and performance metrics. One touch screen color monitor does it all.



## THERE'S MORE THAN JUST OUR TRACTORS WORKING IN YOUR FIELDS.

Case IH has added professionals in the field to support your operation. Our dealers have the experience to equip you with the right iron, implements and innovations to keep you moving. Parts and service technicians have the expertise to assist you before, during and after the sale. CNH Capital will work with you to customize financing solutions to identify what works best for your situation.

It's an integrated equipment, maximum service and financing options in one package – all focused on getting you ready for whatever comes next for you and your farm.

## KNOWLEDGEABLE DEALERS THAT WORK WITH YOU.

Your Case IH dealer understands you need an optimum return on your investment. That means fitting the right horsepower and capabilities with the tools and implements that best fit your farm. Your dealer can recommend the appropriate options package, with proper tires, weighting and ballasting packages for optimum performance. And we will analyze results with you, field by field.



## MAXIMUM SERVICE TO GET MAXIMUM UPTIME, SEASON AFTER SEASON.

Case IH offers Max Service, the first owners support network in the industry. And it comes with no extra cost to you. Max Service delivers manufacturer-direct assistance to you and your Case IH dealer. If you need service, parts or just have a question, Case IH staff will quickly respond to your unique situation. Your Case IH dealer already has a full line of parts and components, full-service maintenance programs and industry-leading warranties. Max Service gives you even more resources to boost productivity with your Case IH equipment. And minimize downtime. Because your complete satisfaction is our goal. Your dealer and Max Service are here for you whenever you need help at 1-877-4CASEIH.

**MAX SERVICE**  
1-877-422-7344  
**100% Availability. 100% Support.**

## OFFERING FINANCING SOLUTIONS FOR MORE THAN 50 YEARS.

CNH Capital's extensive experience in the agricultural industry has created a deep understanding of your unique needs. Competitive equipment financing with flexible payments can be timed to your cash flow. Or, conserve capital and reduce upfront payments with operating lease options. For other needs, choose from commercial revolving accounts specific to the agricultural industry. We can even help you protect your equipment investment with a wide variety of insurance and equipment protection products. There are financing options that fit the way you farm. CNH Capital helps you find them.



## COMMITMENT THAT DOESN'T END WITH THE SALE

For some equipment manufacturers, the sale completes the customer transaction. After that, any relationship with the customer is largely one supported through the service department. Not at Case IH. For us, the sale is just a part of the ever-evolving customer support process. Both our after-market support and our Customer Driven Product Design process are designed to keep you as productive as possible and a satisfied life-long Case IH customer. Because at Case IH, we know the best way to help you meet today's tough agricultural challenges is to listen, and keep listening, to what works for you.



	PUMA 130	PUMA 145	PUMA 160	PUMA 130 CVT	PUMA 145 CVT	PUMA 160 CVT
<b>POWER</b>						
Type	Tier 4A with Selective Catalytic Reduction (SCR)			Tier 4A with Selective Catalytic Reduction (SCR)		
Engine HP at Rated 2,200 RPM ISO per ECE R120 (CV)	131 hp	146 hp	160 hp	131 hp	146 hp	160 hp
Maximum Engine HP at 1,800 RPM ISO per ECE R120 (CV)	147 hp	163 hp	175 hp	147 hp	163 hp	175 hp
Engine Power Boost*	Up to 30 Additional Engine hp @ 2,200 rpm (Rated Speed)			Up to 30 Additional Engine hp @ 2,200 rpm (Rated Speed)		
Engine Maximum Boosted HP - ISO per ECE R120 (CV)	171 hp	188 hp	203 hp	171 hp	188 hp	203 hp
PTO HP at Rated 2,100 RPM** per SAE	105 hp	120 hp	135 hp	105 hp	120 hp	135 hp
Cylinders / Displacement	6 cyl. / 6.7 L (411 cu. in)			6 cyl. / 6.7 L (411 cu. in)		
Number of Valves	24			24		
Aspiration	Cross-Flow Aspiration / Turbocharged			Cross-Flow Aspiration / Turbocharged		
<b>ELECTRICAL</b>						
Alternator Standard / Optional	150 amps Standard / 200 amps Optional			150 amps Standard / 200 amps Optional		
Battery	12 volt - 1,300 CCA			12 volt - 1,300 CCA		
<b>TRANSMISSION / PTO</b>						
Standard (Base)	18F x 6R 25 mph / 40 kph Full Powershift			25 mph / 40 kph Continuously Variable Transmission (CVT)		
Optional	19F x 6R 25 mph / 40 kph Economy Full Powershift			30 mph / 50 kph Continuously Variable Transmission (CVT)		
Optional	19F x 6R 30 mph / 50 kph Full Powershift			N/A		
Creeper Speeds @ Rated Engine RPM	Minimum Target Speed - 951 feet per hour			Minimum Target Speed - 66 feet per hour		
PTO	540/1,000 rpm 1-3/8 in. Reversible Shaft			540/1,000 rpm 1-3/8 in. Reversible Shaft		
<b>AXLES</b>						
Standard Rear Axle	Flange - 8 Studs			Flange - 8 Studs		
Bar Axle Diameter - Optional	3-5/8 in. (92 mm)			3-5/8 in. (92 mm)		
Rear Axle Lengths - Optional	98 in. (2 489 mm) / 112 in. (2 845 mm)			98 in. (2 489 mm) / 112 in. (2 845 mm)		
Suspended Front Axle	Optional			Optional		
MFD Tread Adjustability	61.4 in.-88.8 in. (1 560-2 256 mm)			61.4 in.-88.8 in. (1 560-2 256 mm)		
Wheelbase Standard / Suspended Front Axle	107.6 in. (2 734 mm) / 109.8 in. (2 789 mm)			107.6 in. (2 734 mm) / 109.8 in. (2 789 mm)		
<b>HYDRAULICS / HITCH</b>						
System Type	Closed Center, Pressure Flow Compensating (PFC)			Closed Center, Pressure Flow Compensating (PFC)		
Remotes - Standard / Optional	2 Mechanical / 3 or 4 Mechanical 3 or 4 Electro-Hydraulic			3 Mechanical / 4 Mechanical 3/4/5 Electro-Hydraulic		
Main. Implement Pump Max Flow**	26.5 gpm (100 L/min.)			29 gpm (110 L/min.) / 32 gpm (123 L/min.) - Optional		
Steering / Secondary Pump	17 gpm (65 lpm)			17 gpm (65 lpm)		
Standard Tractor Hydraulic Total Flow	43.5 gpm (165 L/min.)			46 gpm (175 L/min.)		
3-Point Hitch Category	Cat II Standard / Cat II / IIIN Optional			Cat II standard / Cat II / IIIN Optional		
Hitch Lift Capacity - Standard / Optional	7,900 lbs. (3 584 kg) / 9,200 lbs. (4 173 kg)			7,900 lbs. (3 584 kg) / 9,200 lbs. (4 173 kg)		
Mid-Mount Valve - Optional	2 or 3 Function			2 or 3 Function		
<b>CAPACITIES</b>						
Fuel Tank	71 gal. (270 L) + 16 gal. (60 L) Optional		87 gal. (330 L)	71 gal. (270 L) + 16 gal. (60 L) Optional		87 gal. (330 L)
Diesel Exhaust Fluid (DEF) Tank	12.7 gal. (48 L)			12.7 gal. (48 L)		
Engine Oil with Filter	16 U.S. qt. (15 L)			16 U.S. qt. (15 L)		
Hydraulic Fluid	19.5 U.S. gal. (75 L)			19.5 U.S. gal. (75 L)		
<b>CAB</b>						
Cab Suspension	Optional			Optional		
Glass Area - Including Standard Hi-Vis Roof	63.2 sq. ft. (5.9 m <sup>2</sup> )			63.2 sq. ft. (5.9 m <sup>2</sup> )		
Cab Sound Level	71 dBa			71 dBa		
<b>WEIGHT</b>						
Average Standard Weight*** lbs. (kg) w/Std. Front Axle	13,500 lbs. (6 100 kg)		13,900 lbs. (6 300 kg)	14,000 lbs. (6 350 kg)		14,400 lbs. (6 532 kg)

\*Power boost available during mobile PTO/hydraulics/transport operation. \*\*2200 rpm for road transportation and hydraulic work, limited @ 2100 rpm for PTO and low ranges/gears. \*\*\*Average Standard Weight is based on the standard tractor, w/18.4R38 less front weight bracket, without operator and minimum fuel.

	PUMA 170	PUMA 185	PUMA 200	PUMA 215	PUMA 170 CVT	PUMA 185 CVT	PUMA 200 CVT	PUMA 215 CVT	PUMA 230 CVT
<b>POWER</b>									
Type	Tier 4A with Selective Catalytic Reduction (SCR)				Tier 4A with Selective Catalytic Reduction (SCR)				
Engine HP at Rated 2,200 RPM - ISO per ECE R120 (CV)	167 hp	185 hp	200 hp	215 hp	167 hp	185 hp	200 hp	215 hp	231 hp
Maximum Engine HP at 1,800 RPM ISO per ECE R120 (CV)	188 hp	204 hp	218 hp	233 hp	188 hp	204 hp	218 hp	233 hp	249 hp
Engine Power Boost*	Up to 35 Additional Engine hp @ 2,200 rpm (Rated Speed)				Up to 35 Additional Engine hp @ 2,200 rpm (Rated Speed)				
Engine Maximum Boosted HP - ISO per ECE R120 (CV)	218 hp	234 hp	250 hp	260 hp	218 hp	234 hp	250 hp	260 hp	269 hp
PTO HP at Rated 2,100 RPM** per SAE	140 hp	150 hp	165 hp	180 hp	140 hp	150 hp	165 hp	180 hp	195 hp
Cylinders / Displacement	6 cyl. / 6.7 L (411 cu. in.)				6 cyl. / 6.7 L (411 cu. in.)				
Number of Valves	24				24				
Aspiration	Cross-Flow Aspiration / Turbocharged				Cross-Flow Aspiration / Turbocharged				
<b>ELECTRICAL</b>									
Alternator Standard / Optional	150 amps Standard / 200 amps Optional				150 amps Standard / 200 amps Optional				
Battery	12 volt - 1,300 CCA				12 volt - 1,300 CCA				
<b>TRANSMISSION / PTO</b>									
Standard (Base)	18F x 6R 25 mph / 40 kph Full Powershift				25 mph / 40 kph Continuously Variable Transmission (CVT)				
Optional	19F x 6R 25 mph / 40 kph Economy Full Powershift				30 mph / 50 kph Continuously Variable Transmission (CVT)				
Optional	19F x 6R 30 mph / 50 kph Full Powershift				N/A				
Creeper Speeds @ Rated Engine RPM	Minimum Target Speed - 1,020 feet per hour				Minimum Target Speed - 98 feet per hour				
PTO - Standard / Optional	540/1,000 rpm 1-3/8 in. Interchangeable Shafts (1,000 rpm 1-3/4 in. Available)				540/1,000 rpm 1-3/8 in. Interchangeable Shafts (1,000 rpm 1-3/4 in. Available) / 1,000-1,000 E				
<b>AXLES</b>									
Standard Rear Axle	112 in. (2 845 mm)				112 in. (2 845 mm)				
Bar Axle Diameter - Optional	4-1/8 in (105 mm)				4-1/8 in (105 mm)				
Rear Axle lengths - Optional	98 in. (2 489 mm) / 119 in. (3 022 mm)				98 in. (2 489 mm) / 119 in. (3 022 mm)				
Suspended Front Axle	Optional				Optional				
MFD Tread Adjustability	60 in.-88 in. (1 524-2 235 mm)				60 in.-88 in. (1 524-2 235 mm)				
Wheelbase	113.6 in. (2 884 mm)				113.6 in. (2 884 mm)				
<b>HYDRAULICS / HITCH</b>									
System Type	Closed Center, Pressure Flow Compensating (PFC)				Closed Center, Pressure Flow Compensating (PFC)				
Remotes - Standard / Optional	3 Mechanical / 4 Mechanical - 3/4/5 Electro-Hydraulic				3 Electro-Hydraulic / 4 or 5 Electro-Hydraulic				
Main Implement Pump Max Flow**	30 gpm (113 L/min.) / 35 gpm (132 L/min.) - Optional				35 gpm (132 L/min.) / 43 gpm (162 L/min.) - Optional				
Steering / Secondary Pump	17 gpm (65 L/min.)				17 gpm (65 L/min.)				
Standard Tractor Hydraulic Total Flow	47 gpm (178 L/min.)				52 gpm (197 L/min.)				
3-point Hitch Category	Cat II / IIIN				Cat II / IIIN				
Hitch Lift Capacity - Standard (90 mm) / Optional (110 mm)	10,200 lbs. (4 660 kg) / 15,200 lbs. (6 894 kg)				10,200 lbs. (4 660 kg) / 15,200 lbs. (6 894 kg)				
Mid-Mount Valve - Optional	2 or 3 Function				2 or 3 Function				
<b>CAPACITIES</b>									
Fuel Tank / Diesel Exhaust Fluid (DEF) Tank	104 gal. (395 L) / 13.2 gal. (50 L)				104 gal. (395 L) / 13.2 gal. (50 L)				
Engine Oil with Filter	16 U.S. qt. (15 L)				16 U.S. qt. (15 L)				
Hydraulic Fluid	22 U.S. gal. (82 L)				22 U.S. gal. (82 L)				
<b>CAB</b>									
Cab Suspension	Optional				Optional				
Glass Area - Including Optional Hi-Vis Roof	63.2 sq. ft. (5.9 m <sup>2</sup> )				63.2 sq. ft. (5.9 m <sup>2</sup> )				
Cab Sound Level	70 dBa				70 dBa				
<b>WEIGHT</b>									
Average Standard Weight*** lbs. (kg) w/ Std. Front Axle	15,900 lbs. (7 221 kg)				16,700 lbs. (7 600 kg)				

\*Power boost available during mobile PTO/hydraulics/transport operation. \*\*2200 rpm for road transportation and hydraulic work, limited @ 2100 rpm for PTO and low ranges/gears \*\*\*Average Standard Weight is based on the standard tractor, w/18.4R42 and front weight bracket without operator and minimum fuel.



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