

# PUMA

131 - 215hp / 171 - 260hp with Power Management



**EfficientPower** EP  
MORE PRODUCTIVITY • LESS FUEL

**CASE IH**  
AGRICULTURE

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## FOR THOSE WHO DEMAND MORE.

Objectives change, needs change, markets change - but the number of hours in a day never does. And this is why we've unleashed the Puma. A highly productive, versatile tractor that is easy to use and delivers everything you need to handle your daily tasks. Simplicity. Productivity. Economy. Comfort. Quality. The Puma gives you more.

# SIMPLICITY SAVES YOU MONEY.

Powered by the friendliest technology.

The most helpful technology is technology you don't even notice, such as Automatic Productivity Management. APM optimises efficiency while you concentrate on your work. Get in and get started.



## Concise and easy to read.

A-post instruments and performance monitor keep important functions and vehicle performance data centrally located.



## Ergonomically positioned controls.

The Multicontroller™ armrest puts all the tractor's key functions in the palm of your hand.





**Up-to-the second overview of machine status** - additional information screen displays allow you to monitor and programme tractor, implement or Autoguidance.



**Headland Management Control™** - (HMC) can program and control up to 30 headland operations.

# SIMPLICITY PUT SERIOUSLY.

Feedback from customers clearly indicates that the Puma is equipped with controls that are easy to understand and operate. We have done the sums and found that, compared to competitors' models in the same class, the Puma will save you 28% on the time it takes to become fully acquainted with the control system.

The fact is that a 28% time saving in the first month adds up to 83 hours, which when converted into the driver's wages (multiplied by the number of drivers), becomes serious money. Do the maths. Simplicity really adds up.



## A-post instrument display

The displays are clear, concise and easy to read. The integrated Performance Monitor provides additional feedback on tractor functions such as percent of slip, area worked, and service reminders. The driver is also alerted of any warnings, with the engine shutting down automatically to protect your investment if need be.



Fitting a GPS receiver and the AFS Pro 700 colour touchscreen monitor will give you on-the-move performance mapping, and you can improve driving accuracy in combination with an AccuGuide auto-steering system.

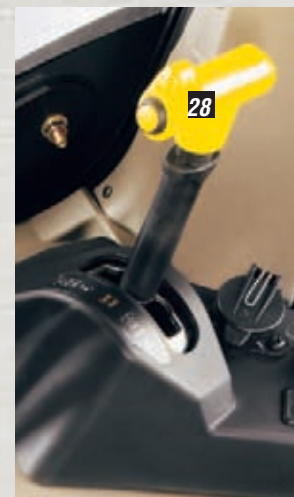
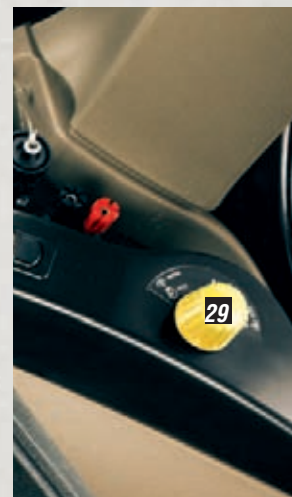
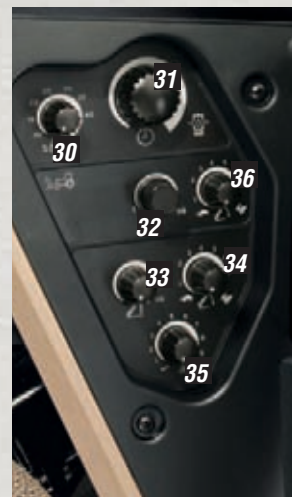


Mechanical remotes are also available with the Multicontroller armrest allowing the operator to have the benefits of the intuitive ergonomics and the simplicity of the mechanical remotes.



## Multicontroller™ Drive Logic armrest

The Multicontroller - featuring drive logic - and the ICP intuitive control panel plus AFS Pro 300 or AFS Pro 700 touch screen monitor, integrate all the tractor's functions into the armrest. Here you have everything you need in one place: speed selection, direction changes, throttle, Headland Management Control, electronic remote valves and front & rear hitch controls and much more. With a clear view of the instrument displays on the right-hand A post, the Puma provides an operator-friendly environment that gets even a novice driver working effectively on day one.



- 1 Constant engine speed or Headland Management Control
- 2 EHC linkage raise/lower
- 3 Remote valve control
- 4 Powershuttle
- 5 Gear ratio Up Shift or Down Shift
- 6 AFS Pro 700 touch screen monitor
- 7 Remote valve controls
- 8 Hydraulic motor mode and timer buttons
- 9 Joystick for remote valves
- 10 ICP™ Intuitive Control Panel
- 11 Lower position control front hitch
- 12 Front linkage raise/lower
- 13 Constant engine speed
- 14 ECO Fan
- 15 Auto Field and Auto Road
- 16 Manual and Auto 4WD/Diff-Lock
- 17 Front axle suspension lock
- 18 Auto PTO
- 19 Slip Control
- 20 Headland Management Control
- 21 Hitch Ride Control
- 22 AccuGuide (if equipped)
- 23 EHC Position Control
- 24 EHC Draft control
- 25 EHC linkage raise/lower
- 26 Front PTO on/off
- 27 PTO on/off
- 28 PTO speed selector (Puma 130 - 160)
- 29 PTO speed selector (Puma 170 - 215) (optional)
- 30 Slip Control
- 31 Encoder to adjust timer and flow control
- 32 Front linkage upper limit control
- 33 Linkage upper limit control
- 34 Linkage drop rate control
- 35 Draft sensitivity control
- 36 Front linkage drop rate control

**Relax, throttle back and reap the benefits** of increased fuel efficiency without compromising on productivity.

Best in class specific fuel consumption through **Efficient Power EP**.

Source: DLG powermix official data

## 23% MORE PRODUCTIVITY.

Driven by top engine performance with Selective Catalytic Reduction (SCR) technology, Puma engine power management delivers rated power - plus up to 23% more - easily handling heavy lugging jobs in the field and on the road as well as hydraulic lifting tasks with a hitch capacity of up to 10,460kg.

Outstanding performance, season after season.

**Engine Power Management** delivers up to an additional 38hp(cv). This is up to 23% additional performance.

The hydraulic system gives you **outstanding power and precise control**, with up to 150 litres per minute flow and up to 10,460kg lift capacity.



# PRODUCTIVITY FIGURES.

With best in class fuel economy, best in class power management and best in class hydraulics, it figures that the Puma delivers higher productivity. The Puma sets productivity - 11.5% ahead of the competition.

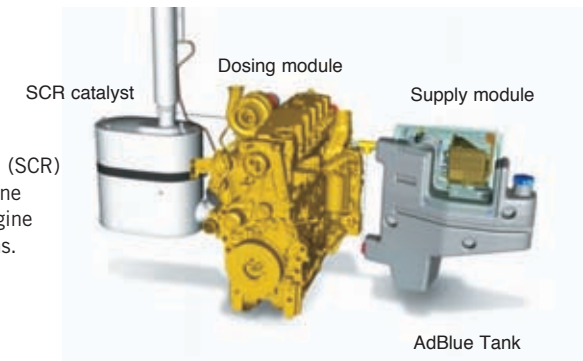


## Engine

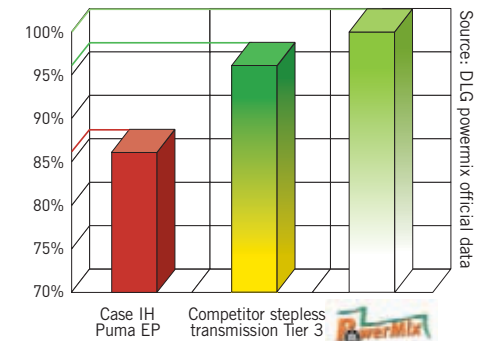
The Puma series offers high performance common rail electronic ignition diesel engines ranging between 131 horsepower (96kW) and 215 horsepower (158kW). All engines are equipped with Selective Catalytic Reduction (SCR) technology, to comply with EURO 3b emission legislation.

- Power Growth of an additional 21hp(CV) means you have an additional 10% performance available simply by throttling back to 1800/1900rpm.
- Engine Power Management delivers up to an additional 38hp(CV). This is up to 23% additional performance and is available when driving faster than 15kph and in PTO applications.
- Constant Engine Speed allows the engine speed to be programmed to 2 different values for specific applications, be it pto, draft or hydraulic operations the speed will be constant regardless of load.
- Constant Power range means you have the same performance at 1500rpm as at rated speed, this allows you the opportunity to relax, throttle back and reap the benefits of increased fuel efficiency without compromising on productivity.
- Maximum Torque of 1120Nm allows you to relax and let the Puma pull you.
- Drive at maximum road speed at fuel saving low engine revs.
- Service Intervals of 600 hours are the longest in the industry saving you time and money.

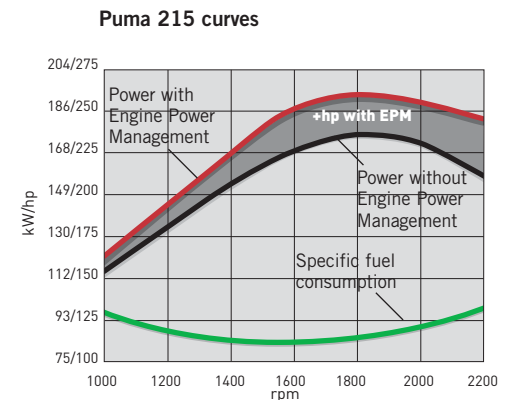
Case IH **Selective Catalytic Reduction (SCR)** technology improves horsepower, engine responsiveness, fuel economy and engine reliability, all whilst lowering emissions. This makes SCR the superior solution for Puma engines.



**Efficient Power.** The SCR system provides up to 14% lower fuel consumption on SCR engines when compared to DLG powermix average results.



**Engine Power Management** maintains productivity by increasing engine power in tough conditions. Up to 38hp(CV) more can be delivered in addition to your tractors rated power.





**Fender-mounted controls** for hitch, one remote and PTO make it safe and easy to hitch up implements single-handed.



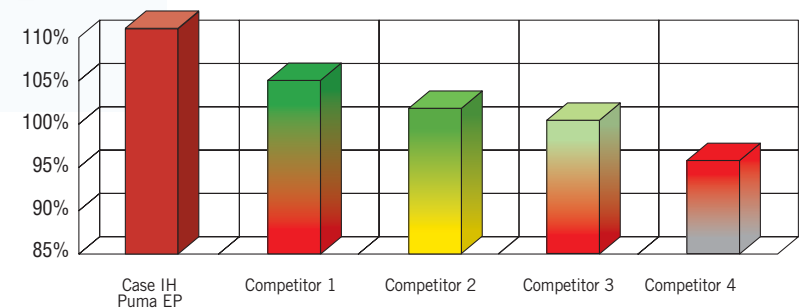
**Puma Productivity Advantage.** These figures show maximum power in draft application, maximum engine power management in PTO & transport applications, standard hydraulic flow and lift capacity in all applications.

## Hydraulics for precision power

Best in class hydraulics with a hitch lift capacity of up to 10,460kg.

The Puma hydraulic system is powered by a variable displacement piston pump delivering up to 150 litres per minute for extremely responsive operation of on-board systems and remote-controlled machinery. Up to 9 remote valves can be supplied.

Case IH LRZ front loaders are available factory fitted on the Puma 130, 145 and 160 models. Maximum lift up to 2800kg and maximum height at pivot up to 4260mm.



**Full Powershift transmission.** The only one in the market, providing seamless smooth shifting to 40 or 50kph without torque interruption.

**Creeper gears** offer an additional 10 speeds from 225m/h to 1.6kph @ 2,200rpm.

**Field mode and Road mode** automatic shifting, leaving the driver free to concentrate on the work.

## ECONOMY. SAVE TIME, FUEL AND INPUT COSTS.

Rated “best in class” for fuel efficiency and also for running at reduced engine speed during road transport, the Puma together with AFS Advanced Farming Systems saves you even more time and money by reducing overlaps in the field and optimising passes. Smart technology to save you serious money.

**Soft Start PTO** gradually increases torque to ensure a smooth start-up and to protect implement drive shafts.

**Advanced Farming Systems** available on Puma tractors are an essential ingredient for efficiency.

**ISOBUS**, a powerful communication tool to control ISOBUS compatible implements with the tractor integrated AFS Pro colour touch screen monitor.



# ECONOMY POSITIVE FORECAST.

The Puma provides you with just the right level of automation you need to step your operation up a gear. There is a choice of transmissions for the range of work you specialise in. Whatever your needs, the transmission technology and optimised operator interface are designed to give you higher operating efficiency and greater ease of operation.

If only the weather was as predictable as Puma tractors.



## The intuitive way to save fuel

AutoField and AutoRoad modes optimize the transmission and provide automatic shifting based on load for increased productivity and fuel savings. Gear shifts are smooth because they are based on load. Small loads and shifts will be slow, large and they will be fast.

**Smooth shift quality** for optimum performance. Your Puma features a transmission and PTO engineered to easily cope with the awesome output of the engine, putting you in control of the power.



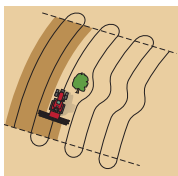
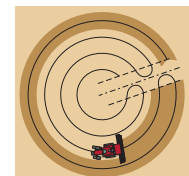
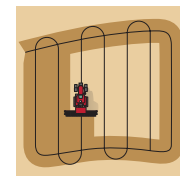

 AFS<sup>TM</sup>


The **AFS Pro 700 monitor** screen is integrated into the armrest to provide performance monitoring, vehicle settings, video inputs and simultaneous command and control of ISOBUS-compatible machinery.



The Puma and Case IH **AFS Advanced Farming Systems** provide the basis for fully automated precision farming with on the move data mapping and auto-guidance steering, saving you time, money and effort year after year.

**AccuGuide automatic steering systems** improve your precision farming accuracy up to 2cm pass to pass. Case IH offers the right solution for different needs: From manual guidance to fully vehicle integrated RTK guidance systems.



## COMFORT. THE QUIETEST CAB IN ITS CLASS.

It's quiet, it's extremely comfortable and it's designed to give drivers the highest level of protection and ease of operation for a full day of productivity and enjoyment out on the road, around the yard and in the field. Enjoy top productivity, in style, with the Puma.

### Everything in clear view

Spacious Surround Vision cab features curved glass, low noise level and an unobstructed view of your surroundings.

### Stay relaxed, stay alert

Automatic climate control option lets you select the perfect temperature for continuous comfort.

**Suspended cab** is also available for the ultimate in ride comfort.

**Active front axle suspension** continuously monitors terrain changes and reacts in conjunction with hitch settings, brake status, acceleration, and more to create a neutral handling environment.

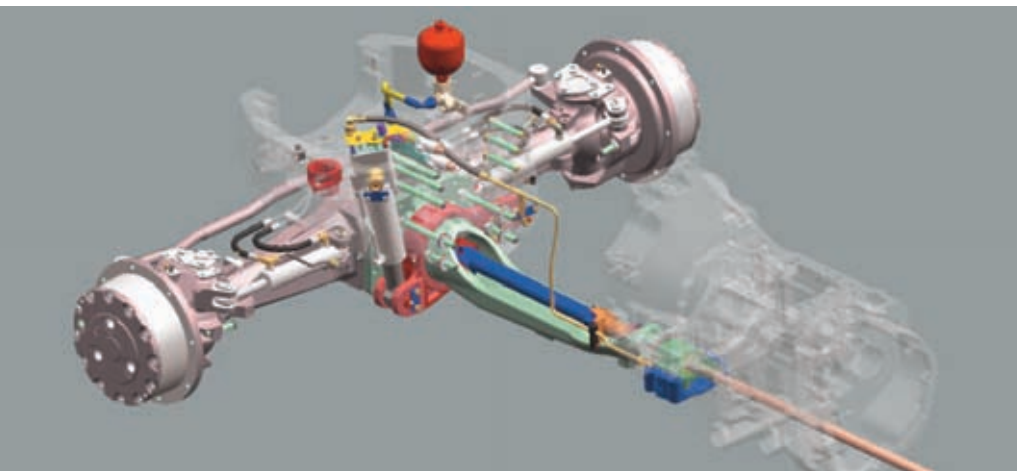




# PREMIUM COMFORT.

Less noise, less fatigue, 360° visibility.

The Puma features front axle suspension, cab suspension and a suspension seat to give the driver an ultra-smooth ride. With all the controls integrated ergonomically in the driver's seat armrest, clear all-round visibility and a surprisingly quiet operating environment, you are equipped for a relaxing and enjoyable day "behind the wheel".



## Front suspension makes all the difference

Active front suspension improves ride comfort at the same time as providing more control. Less pitching is experienced when travelling at speed with mounted implements, or manoeuvring with a loader. It has 105mm of travel and damping is then controlled via an advanced accumulator and regenerative valve system for a smoother ride. It also has automatic self-levelling according to load.

Puma models 170, 185, 200 and 215 have an "Active" suspension system which creates a neutral handling environment thanks to electronic sensors monitoring acceleration, gear changes, braking, terrain conditions, direction changes and hitch loads. The result is the smoothest ride with no more "nodding" or "pitching".



## 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.

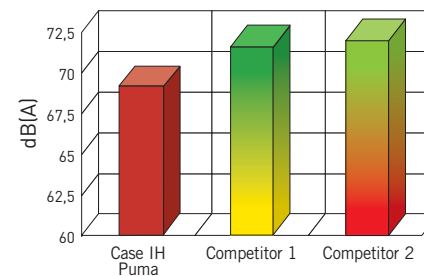
**Everything in clear view.** With unsurpassed sight lines, the Puma cab features Surround Vision with 5.87 square metres of glass and an optional high-visibility cab roof window for unobstructed views in all directions.



## Top marks for Health and Safety

The Puma features the latest Multicontroller armrest which is integrated into the seat to take the stress out of a long day in the field. The driver's seat is fully adjustable with lumbar support and a low frequency air suspension with heating. The steering wheel can be tilted and adjusted telescopically so you are always sure to adopt the healthiest driving posture.

Noise levels of **just 69dB(A)** are lower than any other tractor in this class!



## Stay relaxed, stay alert

Automatic climate control option lets you select the perfect temperature for continuous comfort.



# EXPERIENCE AND QUALITY.

Good choice! Equipment availability is critical in farming because you have to schedule your work to fit in with tight weather patterns.

## Choose the tractor with built-in experience and quality

That is why it is important to choose a tractor that is a trusty workhorse as well as powerful and economical: Case IH has been developing reliable agricultural machinery for more than 160 years. The Puma is built at the St Valentin plant in Austria, which celebrated its 60th anniversary of tractor production in 2007. Rigorous quality assurance procedures are implemented here and every single tractor built is subjected to a rolling road test to set up all the tractor's controls and make sure it is in perfect working order before being delivered to you.

This is also the home of the continuously variable transmission, Case IH being the first manufacturer to develop this technology and integrate it into tractors at the end of last century.

Case IH also took the lead in pioneering Automatic Productivity Management, well ahead of the rest of the field. **Choose the reassuring "Made in Austria" thoroughbred. Choose the Puma.**



**Fuel-saving.** When Power Management is switched on, the Puma reaches maximum torque at just 1400 to 1600rpm. Lower engine speed means you can work more quietly, but even more importantly - you save fuel. Florian Haas and Franz Xaver Prellinger, Gauting Hausen, Germany



**Easy operation.** You have an excellent overview of the individual controls and the touch-screen monitor is easy to use, even while you are driving. Erwin Schoemaker, contractor in Itterbeck, Germany

# OUR SYSTEMS APPROACH

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 backing 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.



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## AROUND THE CLOCK. AROUND THE COUNTRY

Case IH Max Service is a customer support service that provides 24-hour, seven-day-a-week access to the people, products, and parts support needed to keep your operation running during the times most critical to your profitability. Max Service backs up your dealer with every resource available to Case IH, to help maximize 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 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 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 and CNH Capital helps you find them.

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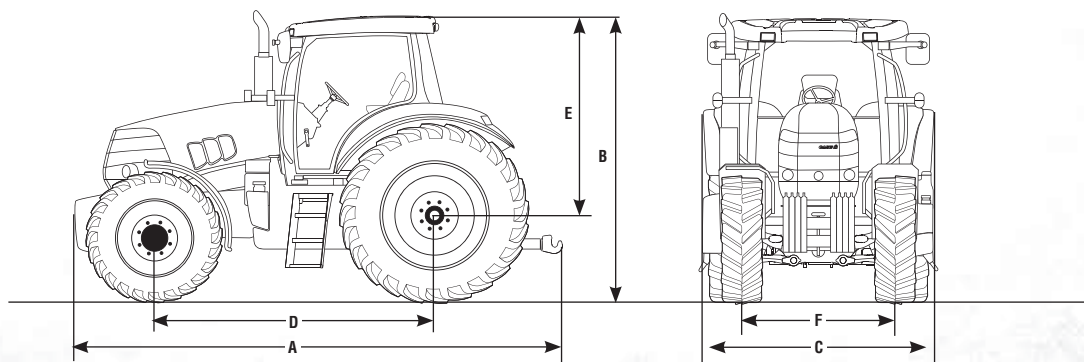


MODELS	PUMA 130	PUMA 145	PUMA 160	PUMA 170	PUMA 185	PUMA 200	PUMA 215
<b>ENGINE</b>							
Number of cylinders / type	6 turbo, intercooled, equipped with SCR exhaust gas treatment system						
Capacity (litres)	6.7	6.7	6.7	6.7	6.7	6.7	6.7
Bore x stroke (mm)	104 x 132	104 x 132	104 x 132	104 x 132	104 x 132	104 x 132	104 x 132
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))	108 / 147	120 / 163	129 / 175	138 / 188	149 / 203	160 / 218	172 / 234
... at engine speed (rpm)	1800 - 1900	1800 - 1900	1800 - 1900	1900 - 2000	1900 - 2000	1900 - 2000	1900 - 2000
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
Rated engine speed (rpm)	2200	2200	2200	2200	2200	2200	2200
Maximum torque - Power Management (Nm @ 1500rpm)	741	810	866	906	1019	1082	1120
Maximum torque (Nm @ 1500rpm)	633	700	766	825	862	927	995
Torque rise Standard / Power Management (%)	52 / 45	50 / 45	50 / 42	54 / 47	46 / 45	45 / 44	45 / 43
Fuel tank, standard/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						
Service brake	Hydraulically operated multiple wet disc brake, self adjusting						
<b>FOUR-WHEEL DRIVE AND STEERING</b>							
Type	Electro-hydraulic with management 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 1829mm (m)	5.45	5.45	5.45	6.1	6.1	6.1	6.1
<b>POWER TAKE OFF</b>							
Type	Electro-hydraulic with Auto PTO control available						
Speeds Standard / Option (rpm)	540/540E/1000 or 540E/1000/1000E (both with optional ground drive)			540E/1000 or 1000/1000E or 540/540E/1000/1000E			
Engine speeds Standard / Option (rpm)	1969/1546/1893 or 1592/1893/1621			1569/1893 or 1893/1700 or 1931/1598/1912/1583			
Shaft type	1 3/8" 21 splines / 1 3/8" 6 splines			1 3/8" 21 splines / 1 3/8" 6 splines / 1 3/4" 20 splines			
Front PTO with 1000rpm @ 1895 engine rpm	○	○	○	○	○	○	○

MODELS	PUMA 130	PUMA 145	PUMA 160	PUMA 170	PUMA 185	PUMA 200	PUMA 215
<b>HYDRAULIC SYSTEM</b>							
Max. pump flow Std/Opt and system type main hydraulic (l/min)	113 PFC / -	113 PFC / -	113 PFC / -	113 PFC / -	120 / 150 PFC	120 / 150 PFC	120 / 150 PFC
System pressure (bar)	210	210	210	215	215	215	215
Control type	EHC with ride control						
Max. lift capacity (kg)	8257	8257	8257	10460	10460	10460	10460
Max. number of remote valves mechanical / electronic	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.
Category type	Cat II / III	Cat II / III	Cat II / III	Cat. III	Cat. III	Cat. III	Cat. III
Front hitch lift capacity (kg)	3568	3568	3568	3785	3785	3785	3785
<b>WEIGHT</b>							
Minimum weight (kg)	6330	6330	6640	7300	7300	7300	7300
Permissible total weight (kg)	10500	10500	10500	13000	13000	13000	13000
Max. permissible weight front (kg)	4900	4900	4900	6000	6000	6000	6000
Max. permissible weight rear (kg)	7300	7300	7800	9500	9500	9500	9500
<b>DIMENSIONS <sup>1)</sup></b>							
A: Total length (mm)	4719	4719	4719	5017	5017	5017	5017
B: Total height (mm)	3070	3070	3070	3090	3090	3090	3090
C: Total width (across rear fenders with 150mm extension) (mm)	2470	2470	2470	2682	2682	2682	2682
D: Wheel base (mm)	2789	2789	2789	2884	2884	2884	2884
E: Height at centre of rear axle, highest point (mm)	2215	2215	2215	2239	2239	2239	2239
F: Track setting front (mm)	1325-2285	1325-2285	1325-2285	1538 / 2260	1538 / 2260	1538 / 2260	1538 / 2260
rear (mm)	1430-2230	1430-2230	1430-2230	1530 / 2230	1530 / 2230	1530 / 2230	1530 / 2230
<b>STANDARD TYRES <sup>2)</sup></b>							
Front	480/70 R28	480/70 R28	480/70 R28	600/65 R28	600/65 R28	600/65 R28	600/65 R28
Rear	580/70 R38	580/70 R38	580/70 R38	650/65 R42	650/65 R42	650/65 R42	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

## DIMENSIONS



**⚠ 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.



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