

PUMA SERIES TRACTORS



EVERY SINGLE DAY, YOU DEMAND MORE.

More from the land. More from yourself. More from your equipment. Which is why we also demand more. More powerful engines. More productivity-boosting features. More approachable and knowledgeable dealers. We demand more to better serve you and the needs of your operation. Let's face it. Goals change. Needs change. The world changes. But the number of hours in the day never does. That's why we've developed an efficient, multi-purpose tractor line with just the right amount of power for both row-crop and livestock applications – the Puma™ Series Tractors. They're reliable. They're durable. They're fuel efficient. They're Puma.





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TAKE A WALK AROUND.

The Puma™ tractor series is all about efficiency. With five models, ranging from 142 to 224 horsepower (CV), Puma tractors provide the right amount of power for primary tillage, cultivation, planting and transport. Whether it's spring or autumn work or pulling trailers, the Puma tractors' outstanding power-to-weight ratio will deliver the precise power you need for top efficiency and fuel savings.



ADJUSTABLE MULTICONTROLLER ARMREST.

The Multicontroller armrest is ergonomically perfect and includes a **fully integrated joystick for control of tractor hydraulics.**



HAVE YOUR CHOICE OF TRANSMISSION.

Full Powershift Transmission (FPS) offers high switching quality for optimum performance. Gears can be changed without activating the clutch. Continuously Variable Transmission (CVT) provides ease of operation and high mechanical input for unrivaled fuel efficiency.



POWER MANAGEMENT.

Power Management provides up to 37 additional horsepower and field PTO application for road transporting and PTO applications.





PANORAMIC VIEW.

The ergonomic cab delivers an unobstructed 360-degree view.

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



INCREASED EFFICIENCY. HIGHER RETURNS.

19th Economy 40 kph @ 1,650 rpm gear enhances fuel efficiency, productivity and minimises noise at top road speeds.



PUMA SERIES TRACTORS SIMPLIFY MAINTENANCE.

The Puma tractors are designed to provide unobstructed accessibility. Whether you're monitoring key tractor performance data from inside the cab or checking filters and fluids from ground level, Puma design makes it easy to maintain your equipment and protect your investment.

| MODEL CASE IH PUMA SERIES | ENGINE POWER UNBOOSTED RATED HP(CV)/KW @ 2,200 RPM | ENGINE POWER BOOSTED MAX. HP(CV)/KW @ 1,900-2,200 RPM |
|------------------------------|---|--|
| Puma 140 | 142 / 104 | 178 / 131 |
| Puma 155 | 158 / 116 | 193 / 142 |
| Puma 180 (CVT optional) | 182 / 134 | 234 / 172 |
| Puma 210 | 213 / 157 | 242 / 178 |
| Puma 225 CVT | 224 / 165 | 251 / 185 |



CAB TECHNOLOGY.

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

Optional remote-adjustable and heated electric mirror option lets you change side views at the touch of a button.

Automatic climate control option lets you select the perfect temperature for continuous comfort. **An A-Post instrument cluster with an optional performance monitor** tracks important functions and data for convenient at-a-glance monitoring.

ERGONOMICALLY POSITIONED CONTROLS.

Multicontroller™ armrest, with 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 with up to 30 programmable headland operations, 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.



ADJUSTABLE ARMREST CONTROLS.

Adjustable controls including transmission, throttle and hitch controls, are attached to the seat armrest for easy access in any seat position. An optional electrohydraulic joystick, with two or three function, adjoins the armrest controller for added loader convenience.

- | | |
|---|--|
| <ul style="list-style-type: none"> 1 Constant engine speed or Headland Management Control 2 EHC linkage raise/lower 3 Remote valve control 4 Power Shuttle 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 Constant engine speed 12 ECO Fan 13 Auto Field and Auto Road 14 Manual and Auto 4WD/Diff-Lock 15 Front axle suspension lock 16 Auto PTO | <ul style="list-style-type: none"> 17 Slip Control 18 Headland Management Control 19 Hitch Ride Control 20 AccuGuide (if equipped) 21 EHC Position Control 22 EHC Draft control 23 EHC linkage raise/lower 24 Front PTO on/off 25 PTO on/off 26 PTO speed selector 27 Slip Control 28 Encoder to adjust timer and flow control 29 Front linkage upper limit control 30 Linkage upper limit control 31 Linkage drop rate control 32 Draft sensitivity control |
|---|--|

FUEL SAVINGS. DURABLE PERFORMANCE.

The common rail Tier III engine features outstanding fuel economy and long-lasting durability. Rated from 142 to 224 horsepower, all five Puma tractors are built with high performance Case IH engines to deliver a reliable source of power. High pressure common rail diesel technology combined with electronic fuel management ensures cost-effective operation for all farming applications. To ensure both power and efficiency, Puma tractors are equipped with a four-valve 6.7 litre turbocharged, intercooled, low-emission diesel engine. They supply their maximum torque at engine speeds as low as 1400 rpm in draft applications and 1600 rpm in PTO and transport applications when Power Management is active. The engine is designed to generate maximum power at 1800 - 2000 rpm. We also provide you with a constant power range of up to 600 rpm so work rates can be maintained with lower engine speed, less noise and more efficiency.



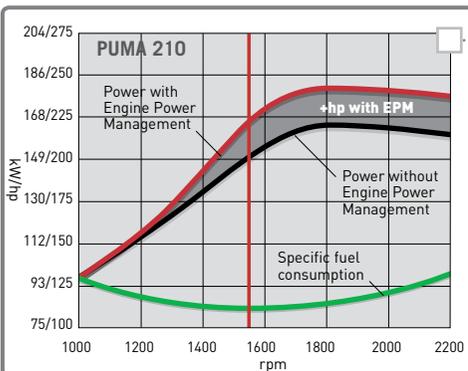
RELIABLE PERFORMANCES.

Service Intervals of 600 hours are the longest in the industry saving you time and money. The SEPAR fuel filter is factory installed to provide additional protection against low quality fuel and to ensure prolonged engine service lifespan.



ENGINE POWER MANAGEMENT.

Engine Power Management delivers up to an additional 37 hp. This is up to 22% additional performance and is available in road transport, hydraulic and pto applications. Power Growth of up to an additional 18 hp(CV) means you have an additional 10% performance available simply by throttling back to 1900/2000 rpm.



OPTIMUM FUEL CONSUMPTION.

Common Rail fuel system delivers precise quantities of fuel to meet your demands of fuel economy and performance. 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.

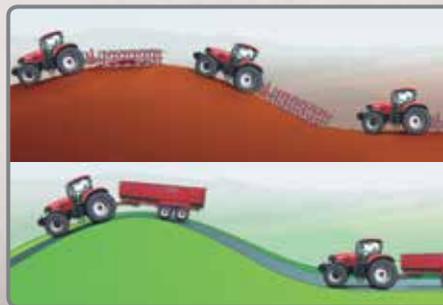
Constant Power range means you have the same performance at 1600 rpm as at rated speed, this allows you the opportunity to relax, throttle back and reap the benefits of increased fuel efficiency without compromising on productivity. Maximum Torque of 984 Nm allows you to relax and let the Puma pull you through.

SIMPLICITY. POWER. FULL CONTROL.

Your Puma comes with a choice of transmissions engineered to put you in full control of the tractor's powerful engine. At the top of the range, the Puma models from 140 to 210 feature a 40 kph, 18x6 Full Powershift transmission, or an optional 19x6 transmission that delivers 40 kph at the reduced engine speed of 1700 rpm or 50 kph. Puma models ranging from 130 to 160 are also available with a Semi Powershift transmission. You are in full control of your Puma with the seven working speeds in the 4-12 kph range plus the 10 additional forward and 6 reverse gears with creeper. You can change all gears under full load, even in heavy draft operations. Features such as the clutch-less change of gears with up/down shift buttons on the Multicontroller and programmable forward/reverse gear ratios result in simple and comfortable operation, maximising your productivity while reducing your fatigue.



Full Powershift transmission, provides seamless smooth shifting from zero to 40 or 50 kph. Creeper gears offer an additional 10 speeds from 225m/h to 1.6 kph @ 2,200 rpm.



Field mode and Road mode. 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.



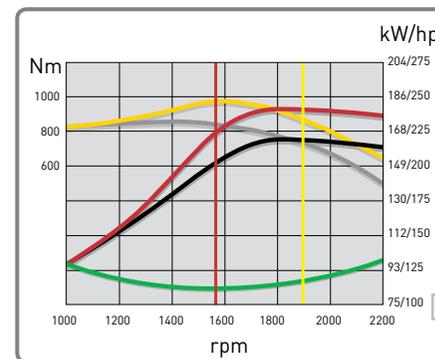
A CHOICE OF PTO OPTIONS FOR VERSATILITY.

Puma 140-210 are fitted as standard with 540E/1000 rpm PTO speeds. The Puma 225 CVT is fitted with a 1000/1000E rpm PTO speeds. For special applications it can be upgraded to a 4 speed PTO (540/540E/1000/1000E rpm). This unique option is also available on Puma 180 CVT and Puma 210 as well. Drive is direct from the engine flywheel for maximum efficiency. Should you require, a 1000 rpm front PTO is available for extra versatility. PTO is operated at 1893 engine rpm or at 1569 engine rpm in Economy mode for power and efficiency.



INTUITIVE PTO MANAGEMENT.

The Puma PTO management system automatically disengages power to the implements as soon as they are raised, re-engaging when the hitch is lowered again. Designed to protect implement driveshafts and reduce operator fatigue, it can also be programmed into the headland management. Soft Start PTO gradually increases torque to ensure a smooth startup and to protect implement drive shafts. **Easy PTO speed selection from inside the cab using the optional Electrical Speed Selector ESS.**



PTO is operated at 1893 engine rpm or at 1569 engine rpm in Economy mode for power and efficiency.



PUMA CVT: SIMPLICITY PUT IN MOTION.

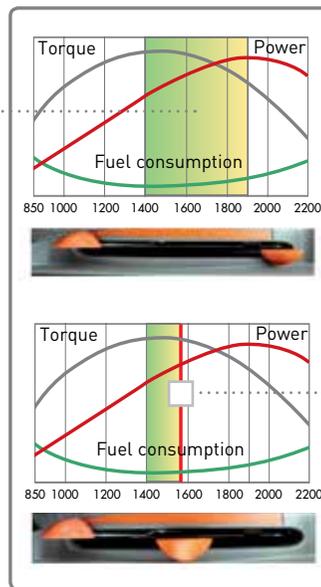
Case IH launched its first CVT tractor in 1999 featuring the industry leading Auto Productivity Management (APM). This feature managing automatically the engine and the transmission revolutionized the way to drive a tractor. The development of the Puma CVT has taken place over the last 5 years with the input of our dealers and over 500 key technological leading farmers & contractors worldwide, helping us to define the key features of the Puma CVT.

The result is a CVT tractor of second generation benefiting from proven components and upgraded with the latest technology to achieve best in class productivity, efficiency and driving comfort. Today, CVT transmission technology is available on the Puma 180 and 225 models.



APM SYSTEM.....

The Puma CVT makes operation exceptionally easy: the operator just needs to set the speed with the travel pedal or the Multicontroller lever and the APM will look after everything else. In addition, it features the simplest Drive Lever in the industry, which puts all the controls at the operator's fingertips, intuitively positioned on the armrest for greater comfort and productivity. All the hitches, PTO and remote valves are controlled from the armrest. Simple.



ECO Drive™, the intuitive way to save even more fuel. To give absolute priority to fuel efficiency **you can customize the working range of the APM system.**



Doppel Kupplung Technologie DKT™..... (Double clutch technology)

enables smooth gear changes with no interruption in the flow of power. This Double clutch allows to use only 2 clutch packs in combination with 4 ranges, delivering the optimum ratio between the hydraulic and mechanical drives in all applications, maximising transmission efficiencies. This results also in better acceleration and better fuel efficiency.

MAXIMUM POWER TO THE GROUND.

Puma tractors give you power and the capability to control it with ease. In addition to the traction management system, your Puma tractor can be equipped with a range of front axle features to improve steering, braking and safety both on the road and around the yard. Four wheel drive and differential lock management is provided on all Puma models. With controls to switch between manual and automatic mode, the operator is able to harness true traction with both mounted and trailed equipment.



OPTIONAL ACTIVE FRONT AXLE SUSPENSION.

Front suspension is available as option on all models, improving 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 105 mm 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.



CONSTANT POWER RANGE.

Due to the compact engine dimension, Puma tractors have an extremely tight turning radius. **Dynamic Fenders give these tractors an additional 30% in steering angle** for superb handling characteristics. Min. turning radius: 5.45 m - Puma 140, 155; 6.10 m - Puma 180, 210, 225

PUMA FOR PRECISION POWER.

The hydraulic system on a Puma gives you outstanding power with precise control. The powerful hitch is designed to make things as straightforward as possible for the operator. The closed centre load sensing system delivers the power and flow needed for tomorrow's implements today. All Puma tractors feature advanced electronic draft control. This system is easy to operate and very effective.



POWERFUL REAR HITCH.

Up to 10,460 kg can be lifted by the rear hitch, over which you have fingertip control – even outside the cab, thanks to the fender-mounted control buttons, for single-handed implement attachment. The hydraulic system is powered by a variable displacement piston pump delivering up to 150 litres per minute on full powershift tractors and up to 170 on CVT versions. Up to 4 mechanical standard or 5 electrical remote valves are available and you can choose up to 4 electrical mid mount valves too.



HITCH RIDE CONTROL.

The control is a shock damping system to reduce bounce and improve stability of heavy implements during transport.

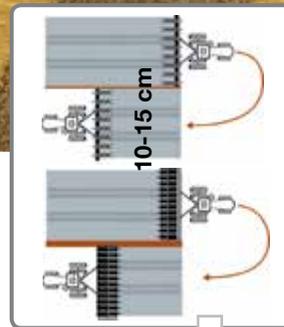
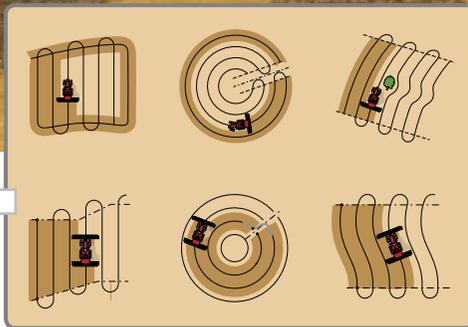


COMFORTABLE BRAKING.

Auto 4WD and Diff lock disengage and engage automatically e.g. on tight corners, when braking and depending on hitch position and forward speed. **Pneumatic or hydraulic trailer brakes are available** for working with large trailers.

AFS - ADVANCED FARMING SYSTEMS.

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.

Factory Fitting a Case IH AFS AccuGuide® to your Puma will provide you with fully integrated Automated Guidance improving your productivity, cutting your input costs and saving you time, money and effort year after year.

Choose your Case IH AFS AccuGuide® with 10-15 cm (with OmniStar Correction) or 2,5 cm (with RTK Correction) precision to get the accuracy level best suited to your requirements.

AFS PRO 700 MONITOR.

The Case IH AFS Pro 700 is a 26.4 cm colour touch screen display and is used to monitor and/or control Case IH vehicles, Guidance Systems; Case IH implements, ISO11783 implements and 3rd party controllers; record data (As-Applied), or prescription plant, etc. for Precision Farming Applications.

Featuring: LightBar Only Mode (No Nav II controller or steering valve required); Three Video Inputs; USB port; RS232 port for data.

MORE THAN TRACTORS TO WORK FOR YOU: WE'VE GOT PEOPLE TO WORK WITH YOU.

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 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.



SKILLED BUSINESS ADVISOR AT YOUR DEALERSHIP. DEMAND MORE FROM YOUR CASE IH DEALERSHIP.

Purchasing a standalone piece of new equipment?
Keeping a whole fleet up-to-date? Whatever your size
of operation, contact your local Case IH dealership for
professional advice on your business needs. Case IH
knows your farming needs best.



MAINTAIN THE PRODUCTIVITY OF YOUR INVESTMENT.

Case IH and its dedicated dealer network provide
excellent support when you take delivery of your new
machine and whilst it remains in your ownership. On
the farm, you can rely on trained service professionals
to maintain the productivity of your investment.



DO NOT RISK YOUR MACHINE'S LIFE. BUY CNH INDUSTRIAL PARTS & SERVICE!

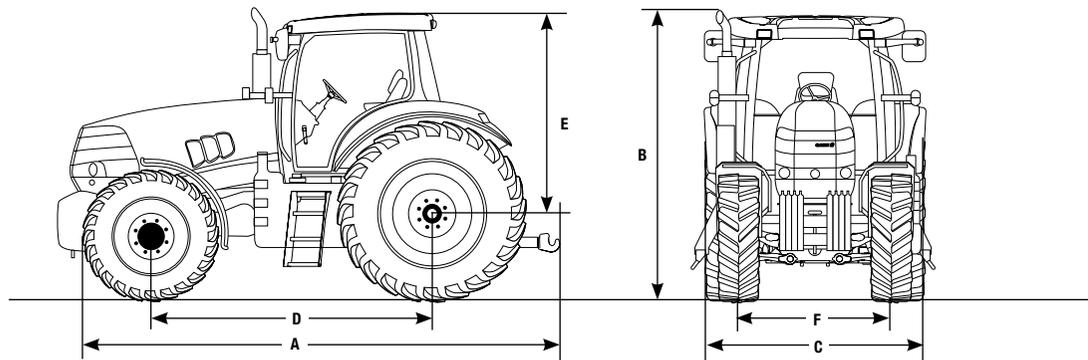
Protect the value of your investment. Behind every
Case IH product stands an extensive parts logistics
organisation, stocking parts for products both old and
new. Choosing to fit genuine Case IH parts will maintain
the safety, value and performance of your original
investment.



| MODELS | PUMA 140 | PUMA 155 | PUMA 180 | PUMA 210 | PUMA 225 |
|---|---|--------------|--|---------------|---------------|
| ENGINE | | | | | |
| Number of cylinders / type | 6 / wastegate turbo and intercooler | | | | |
| Capacity (litres) | 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 |
| Rated power ECE R120 ³⁾ (kW/hp(CV)) | 104 / 142 | 116 / 158 | 134 / 182 | 157 / 213 | 165 / 224 |
| Rated power ECE R120 ³⁾ Power Management (kW/hp(CV)) | 123 / 167 | 135 / 183 | 160 / 218 | 175 / 238 | 181 / 247 |
| Rated engine speed (rpm) | 2200 | 2200 | 2200 | 2200 | 2200 |
| Maximum power ECE R120 ³⁾ (kW/hp(CV)) | 112 / 152 | 124 / 169 | 147 / 200 | 164 / 223 | 169 / 230 |
| Maximum power ECE R120 ³⁾ Power Management (kW/hp(CV)) | 131 / 178 | 142 / 193 | 172 / 234 | 178 / 242 | 185 / 251 |
| ... at engine speed (rpm) | 1900 - 2000 | 1900 - 2000 | 1900 - 2000 | 1900 - 2000 | 1800 |
| Maximum torque (Nm/rpm) | 643 / 1400 | 690 / 1400 | 844 / 1400 | 866 / 1400 | 950 / 1400 |
| Maximum torque - Power Management (Nm/rpm) | 678 / 1600 | 748 / 1600 | 938 / 1600 | 984 / 1600 | 1025 / 1500 |
| Torque rise Standard / Power Management (%) | 42 / 27 | 37 / 28 | 45 / 35 | 27 / 30 | 32 / 30 |
| Fuel tank (litres) | 300 | 300 | 410 | 410 | 410 |
| TRANSMISSION | | | | | |
| 18x6 Semi- / Full Powershift 40 kph | ○ / ● | ○ / ● | - / ● | - / ● | - / - |
| 19x6 Semi- / Full Powershift Economy 40 kph @ reduced rpm | ○ / ○ | ○ / ○ | - / ○ | - / ○ | - / - |
| 19x6 Semi- / Full Powershift 50 kph | ○ / ○ | ○ / ○ | - / ○ | - / ○ | - / - |
| CVT 40 kph Economy @ reduced rpm | - | - | ○ | - | ● |
| CVT 50 kph economy @reduced rpm | - | - | ○ | - | ○ |
| Creeper | ○ | ○ | ○ | ○ | ● |
| Rear axle diff-lock type | Multi disc wet plate with management system | | | | |
| Service brake | Hydraulically operated multiple wet disc brake, self adjusting | | | | |
| FOUR-WHEEL DRIVE AND STEERING | | | | | |
| Type | Electro-hydraulic with management system | | | | |
| Front axle suspension | ○ | ○ | ○ Active | ○ Active | ○ Active |
| Steering angle (°) | 55 | 55 | 55 | 55 | 55 |
| Min. turning radius ¹⁾ track setting 1829 mm (m) | 5.45 | 5.45 | 6.1 | 6.1 | 6.1 |
| POWER TAKE OFF | | | | | |
| Type | Electro-hydraulic with Auto PTO control available | | | | |
| Speeds Standard / Option | 540/540E/1000 or 540/1000 | | 540E/1000 or 540/1000 | | 1000/1000E |
| Engine speeds Standard / Option (rpm) | 1969/1546/2120 or 1969/2120 | | 1569/1893 or 1893/1950 | | 1893/1614 |
| 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 1000 rpm | ○ | ○ | ○ | ○ | ○ |
| HYDRAULIC SYSTEM | | | | | |
| Max. pump flow Standard/Optional and system type main hydraulic (l/min) | 113 PFC / - | 113 PFC / - | 120 / 150 PFC - 150/170 PFC on CVT | 120 / 150 PFC | 150 / 170 PFC |
| System pressure (bar) | 210 | 210 | 215 | 215 | 215 |
| Control type EHC with ride control | | | | | |
| Max. lift capacity (kg) Standard/Optional | 6687 / 8257 | 6687 / 8257 | 8647 / 10460 | 8647 / 10460 | 10460 |
| Max. number of remote valves Standard / Multicontroller | 4 mechanical or 4 electronic with 5 electronic available on 165-210 | | | | 5 electronic |
| Max. number of mid mount valves with electronic joystick | 3 electr. | 3 electr. | 4 electr. | 4 electr. | 4 electr. |
| Category type | Cat II / III | Cat II / III | Cat. III | Cat. III | Cat. III |
| Front hitch lift capacity (kg) | 3568 | 3568 | 3900 | 3900 | 3900 |

| MODELS | PUMA 140 | PUMA 155 | PUMA 180 | PUMA 210 | PUMA 225 |
|---|-------------|-------------|-------------|-------------|-------------|
| WEIGHT | | | | | |
| Minimum weight (kg) | 5400 | 5600 | 6850 | 6850 | 7200 |
| Permissible total weight (kg) | 10500 | 10500 | 13000 | 13000 | 13000 |
| Max. permissible weight front (kg) | 4900 | 4900 | 6000 | 6000 | 6000 |
| Max. permissible weight rear (kg) | 7800 | 7800 | 9500 | 9500 | 9500 |
| DIMENSIONS¹⁾ | | | | | |
| A: Total length (mm) | 4449 | 4449 | 4916 | 4916 | 5017 |
| B: Total height (mm) | 2985 | 2985 | 3040 | 3100 | 3100 |
| C: Total width (across rear fenders with 150 mm extension) (mm) | 2682 | 2682 | 2682 | 2682 | 2682 |
| D: Wheel base (mm) Standard/with front axle suspension | 2734 / 2789 | 2734 / 2789 | 2884 | 2884 | 2884 |
| E: Height at centre of rear axle / highest point (mm) | 2180 | 2180 | 2240 | 2240 | 2240 |
| F: Track setting front (mm) | 1560 - 2256 | 1560 - 2256 | 1552 - 2269 | 1552 - 2269 | 1538 - 2260 |
| rear (mm) | 1470 - 2294 | 1470 - 2294 | 1524 - 2438 | 1524 - 2438 | 1530 - 2230 |
| STANDARD TYRES²⁾ | | | | | |
| Front | 480/70R28 | 480/70R28 | 480/70R28 | 540/65R28 | 600/65R28 |
| Rear | 580/70R38 | 580/70R38 | 580/70R38 | 650/65R38 | 650/65R42 |

● Standard ○ Optional - Not available *) Developed by FPT Industrialv 1) With standard tyres 2) Other tyres on request 3) ECE R120 correspond to ISO 14396 and 97/68/EC



DIMENSIONS

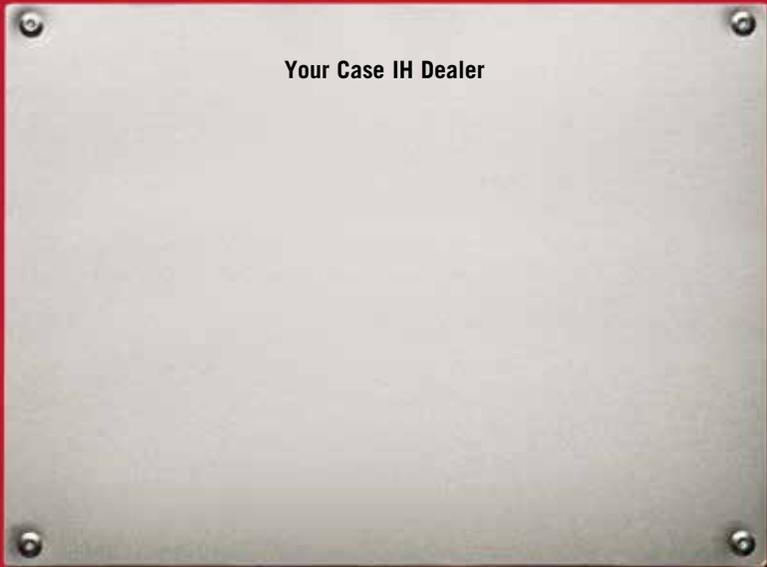


SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. This literature has been published for worldwide circulation. The standard 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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Send us an e-mail: Africa.MaxService@caseih.com - MiddleEast.MaxService@caseih.com - Puma_English - Cod. N. 14MEAC0009

The logo features the text "CASE IH" in a bold, black, sans-serif font. The "I" and "H" are stylized with three vertical bars of increasing height. Below this, the word "AGRICULTURE" is written in a smaller, black, sans-serif font, positioned above a red horizontal bar.

CASE IH
AGRICULTURE

A rectangular metal plate with four screws at the corners. The text "Your Case IH Dealer" is centered on the plate.

Your Case IH Dealer