

PUMA

TRACTORS FROM
140 – 175 hp



THE PUMA SERIES

EFFICIENT POWER FOR
PROFITABLE FARMING



Keeping our focus on uptime, we placed high emphasis on increasing your time on the field in a convenient but efficient manner: 750-hour service intervals, power management to boost your performance and minimum torque interruptions.

PUMA CVXDRIVE

PROVEN SOLUTION FOR FARMS AND CONTRACTORS

- CVXDrive continuously-variable transmission with high mechanical efficiency
- APM engine/transmission management for optimal fuel efficiency
- EcoDrive split throttle: whether transporting, baling or mowing – you're always working at the ideal and most fuel-efficient rpm
- Active hold control: safety on slopes or when leaving the cab
- 53 kph at a fuel-efficient 1,750 rpm
- Hydraulic pumps with up to 160 l/min flowrate
- AccuTurn Pro: automatic turning with GPS-based triggers of headland sequences

PUMA MULTICONTROLLER

POWERFUL IN MIXED OR ARABLE FARMING

- ActiveDrive 6 semi powershift or PowerDrive full powershift transmission
- Proven Multicontroller armrest for excellent ease of operation
- Up to 4 (mech.) or 5 (electr.) rear remote valves
- Headland Management Control II (HMC II) and ISOBUS III
- 540/540E/1,000 rear PTO speeds
- Hydraulic pumps with up to 150 l/min flowrate

PUMA

PERFECT FOR LIVESTOCK FARMS

- ActiveDrive 6 semi powershift transmission
- Option of high or low roof
- Up to 4 mechanical rear remote valves and up to 3 electrical mid-mounted remote valves
- 540/540E/1,000 rear PTO speeds
- Hydraulic pumps with up to 110 l/min flowrate



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CASE IH

GOOD REASONS TO BUY

The Case IH Puma series was made for a great variety of different tasks.

Powerful hydraulics for high-demand implements, HMC II headland management to take the load off you whenever you need to manoeuvre at the headland and simply more comfort inside the cab to make you more productive are just the tip of the iceberg with regard to what makes the Puma series special.

EFFICIENCY

POWERED BY CASE IH

Increase fuel efficiency with Puma 140-175, leader in the mid-power range.

- FPT engine: 6-cylinder with 6.7 l capacity
- Max. torque up to 940 Nm at 1,500 rpm
- Speed: 40 kph ECO at 1,600 rpm
- Maintenance: every 750 hours
- CVXDrive, PowerDrive or ActiveDrive 6 transmission options



PRECISION

EXACTLY AS YOU IMAGINE

Maximize your accuracy with correction guidance, turn assistance, and more.

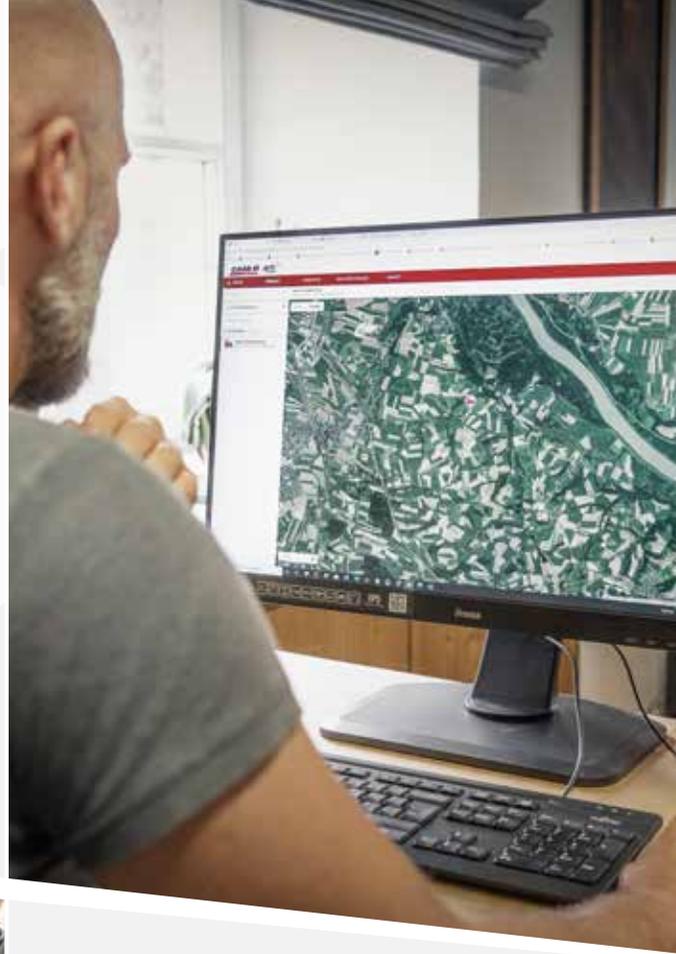
- AccuGuide: 1.5 cm accuracy
- HMC II: Headland-turning routines with the press of a button
- AFS AccuTurn Pro: End-of-row turning automation

COMFORT

FEELS LIKE COMING HOME

Easily access whatever you store and adjust settings on the go.

- Entrance: illuminated steps
- Cab: integrated cool box, heated and ventilated seat, noise 69 dB(A)
- View: 234 degrees front wiper, LED headlights with 40,000 lumens of brightness
- Drive characteristics: cab and front axle suspension
- Touchscreen: AFS Pro 700™ Plus software offers a 20 % bigger screen and higher resolution for best readability



SAFETY

PROTECT WHAT MATTERS

Let's take care of you and your Puma CVXDrive with our advanced safety features.

- Advanced trailer brake: trailer automatically slows down when necessary
- Active hold control: prevents the tractor from rolling backwards
- Parking brake: automated brake when machine is parked



AFS CONNECT

WORK SMARTER, NOT HARDER

Manage farm, fleet and data exchange to smart up your work on and off fields.

- Farm: fields, applications, agronomic data
- Fleet: machine locations & parameters
- Data: agronomic data sharing
- 3 Years SAFEGUARD CONNECT package* available. It includes:
 - 3 years extended warranty
 - 3 years AFS Connect services
 - 24/7 MAXService
 - Pre-season check
 - Operator training by the dealer

*) ask your dealer for the availability, terms and conditions of Safeguard Connect in your country



ENGINEERED FROM EVERY ANGLE

A choice for any requirements

The Case IH Puma has a well-established reputation as a reliable, powerful, economical tractor. Manufactured in Austria, the Puma is available as a selection of models with varying performance levels to meet your needs. All Puma tractors have one thing in common: patented engine and exhaust system technology “made by FPT”.

- 1 **DESIGN**
 - Attractive bonnet design with large air vents for improved air intake
 - Powerful LED lights integrated into the cooler grill – perfectly lighting your working area
- 2 **FRONT MOUNT SPACE**
 - Integrated front hitch with optional front hitch management and automatic PTO
 - Electrical joystick – quickly switch between rear and front remote valves

PUMA CVXDRIVE

3 MODELS FROM 150 TO 180 HP

Regarding continuously variable transmissions, Case IH continues leading the CVT sector with product developments that keep us at the cutting edge of fuel-efficient power transfer. Puma CVXDrive models are as easy to drive thanks to the intuitive operating system designed for all kinds of operators, from casual summer staff to full-time drivers.

PUMA MULTICONTROLLER

2 MODELS FROM 150 TO 165 HP

With the Case IH Multicontroller armrest and joystick, Puma Multicontroller models put all key operating functions at the driver’s right hand. Powershift and powershuttle are operated via Multicontroller buttons, as are the operation of the rear hitch and one of the rear remote valves. Multicontroller is the last word in intuitive operation.

PUMA

3 MODELS FROM 140 TO 165 HP

The Puma 140-165 models incorporate a comprehensive specification featuring everything necessary for modern-day farming. These straight-forward, simple-to-operate machines are cost-effective business tools.

| MODELS | Rated power ECE R120 ¹⁾ @ 2,200 rpm (kW/hp(CV)) | Maximum power ECE R120 ¹⁾ with Power Management ²⁾ @ 1,800 – 1,900 rpm (kW/hp(CV)) | Max. pump flow rate Standard (Optional) (l/min) | Max. lift capacity (kg) | Wheelbase (mm) |
|---|--|--|---|-------------------------|----------------|
| Puma 175 CVXDrive | 132 / 180 | 165 / 224 | 140 (160) | 8,257 | 2,789 |
| Puma 165 CVXDrive / Puma 165 Multicontroller / Puma 165 | 121 / 165 | 154 / 209 | 140 (160) / 110 (150) / 110 (-) | 8,257 | 2,789 |
| Puma 150 CVXDrive / Puma 150 Multicontroller / Puma 150 | 110 / 150 | 140 / 190 | 140 (160) / 110 (150) / 110 (-) | 8,257 | 2,789 |
| Puma 140 | 103 / 140 | 129 / 175 | 110 (-) | 8,257 | 2,789 |



3 ENGINE

- 6-cylinder 6.7 l FPT turbodiesel with intercooler and wastegate turbocharger
- An eye on the environment: All Puma models meet strict Euro Stage V emissions standards
- Efficient combustion process – no EGR needed
- Engine power management provides up to 44 hp extra boost
- Reversible eco-fan keeps the radiator grill clean
- 750-hour service interval

4 DRIVING COMFORT AND SAFETY

- Suspended and braked front axle available as an option
- Cab suspension available for all Puma models
- Premium driver's seat with active suspension (Puma CVXDrive and Puma Multicontroller)
- Patented trailer brake system – Advanced Trailer Brake for Puma CVXDrive
- Active Steering Control to improve maneuverability

5 HYDRAULICS

- PFC hydraulic pumps with flow rates of 110 l/min up to 160 l/min at 210 bar pressure
- Up to 8,257 kg rear lifting capacity and 3,568 kg front hydraulic lifting capacity
- Up to 4 mechanical (Puma and Puma Multicontroller) or 5 electrical rear remote valves (Puma CVXDrive and Puma Multicontroller)
- Up to 4 mechanical rear remote valves (Puma)
- Up to 3 electrical mid mounted remote valves and Power Beyond connections (load sensing) optional

6 A CHOICE OF TRANSMISSIONS

- CVXDrive continuously-variable transmission from 0 – 50 kph with active hold control
- ActiveDrive 6 semi powershift or PowerDrive full powershift transmission with automatic gear changes and programmable powershuttle
- Electronic parking brake for all transmission versions
- All transmission versions reach 40 kph at low engine speed (40 kph ECO)





PROFESSIONAL

ONE STANDARD – THREE PACKAGES

The choice is yours

Your machine, your choice of comfort. Choose from our packages to tailor your Puma to your specific needs: Cover your essential needs with Selection, expand your capabilities with Advanced or make use of the full potential our Puma series offers with Professional.

The equipment packages can be changed by Case IH without prior notification. Please contact your local dealer for the latest configuration.

PROFESSIONAL

UNLOCK THE FULL POTENTIAL OF YOUR PUMA.

PUMA CVXDRIVE

- CVXDrive transmission with custom driveline settings
- Electro-hydraulic remotes and 140 l/min hydraulic pump as standard (160 l/min optional)
- 3-speed PTO (540E/540/1,000 or 540/1,000E/1,000)
- Air conditioning, passenger seat & cab suspension
- Front axle suspension is standard
- Front linkage is standard (Front linkage + PTO is optional)
- AFS Pro 700™ Plus touchscreen monitor
- AFS Autoguidance ready
- ISOBUS Class II optional

PUMA MULTICONTROLLER

- ActiveDrive 6 or PowerDrive transmission (40 kph Eco or 50 kph optional)
- 3, 4 or 5 electro-hydraulic remotes with 110 l/min hydraulic pump as standard (150 l/min optional)
- 3-speed PTO (540E/540/1,000 or 540/1,000E/1,000)
- Air conditioning, passenger seat & cab suspension are standard
- Front axle suspension is standard
- Front ballast pack or front linkage or front linkage + PTO optional
- AFS Pro 700™ Plus touchscreen monitor
- AFS Autoguidance ready
- ISOBUS Class II optional



ADVANCED

ADVANCED FEATURES FOR DAILY OPERATIONS.

PUMA CVXDRIVE

- CVXDrive transmission with custom driveline settings
- Electro-hydraulic remotes and 140 l/min hydraulic pump as standard (160 l/min optional)
- 3-speed PTO (540E/540/1,000 or 540/1,000E/1,000)
- Air conditioning, passenger seat & cab suspension
- Front axle suspension is standard
- Front ballast pack or front linkage or front linkage + PTO optional
- AFS Pro 700™ Plus touchscreen monitor optional
- Standard steering or AFS-ready optional
- ISOBUS Class II optional

PUMA MULTICONTROLLER

- ActiveDrive 6 or PowerDrive transmission (40 kph Eco or 50 kph optional)
- Mechanical or electro-hydraulic remotes with 110 l/min hydraulic pump as standard (150 l/min optional)
- 3-speed PTO (540E/540/1,000 or 540/1,000E/1,000)
- Air conditioning, passenger seat & cab suspension are standard
- Front axle suspension is standard
- Front ballast pack or front linkage optional
- AFS Pro 700™ Plus touchscreen monitor
- Standard steering or AFS-ready optional
- ISOBUS Class II optional



SELECTION

ESSENTIAL SELECTION OF OPTIONS TO COVER CUSTOMER NEEDS.

PUMA

- ActiveDrive 6 transmission (40 kph Eco or 50 kph optional)
- Mechanical remotes and 110 l/min hydraulic pump as standard
- 3 speed PTO: 540E/540/1,000 mechanical shifttable
- Air conditioning, passenger seat & cab suspension
- Front axle suspension is optional
- Front ballast pack or front linkage optional
- Standard steering or AFS-ready optional





STAY FOCUSED, BE PRODUCTIVE

More than a workplace

If you're looking for a workplace to feel at home in, the Puma models have the cab for you. Extraordinary comfort and excellent user-friendliness let you enjoy even the longest days. Operate whenever you need to with up to 20 LED lights that provide superior visibility at night. The operating concept is tailored to the needs and wishes of our clients to minimise familiarisation time and maximise work results. Have a seat in your Puma cab – the future is waiting!



YOUR COMFORT ALWAYS COMES FIRST

A cab environment like no other

The Puma cab environment is designed for drivers like you. A new monitor rail for smartphones and tablets caters to users in this digital age.

THOUGHTFUL DETAILS

Every control element is at your fingertips. No matter which tractor configuration you choose, all models are simple and intuitive to control without hours of poring over the user manual.

PERFECT VIEW, DAY OR NIGHT

Front and side-oriented LED headlights with 30,000 lumens of brightness turn any night into day – up to 20 LED working lights on the cab roof. Plus, A and B pillars with headlights that illuminate 360 degrees without shadows.

DUAL MONITORS FOR YOUR PUMA

A monitor rail allows a convenient point to mount monitors for your implements. AFS guidance users may choose the optional dual AFS Pro 700™ Plus touchscreen monitor.

HEATED AND VENTILATED SEAT

The new Puma's optional heated and ventilated red leather seat keeps you cool and comfortable in warm months.

NEW

LOW MOUNTED WIPER INCREASES THE SWEEPED COVERAGE AREA BY 60 % COMPARED TO PREVIOUS MODEL.



THE PUMA WORK STATION

Intuitive operation – maximum productivity

TIME IS MONEY – AND WE KNOW HOW BUSY YOU AND YOUR EMPLOYEES ARE.

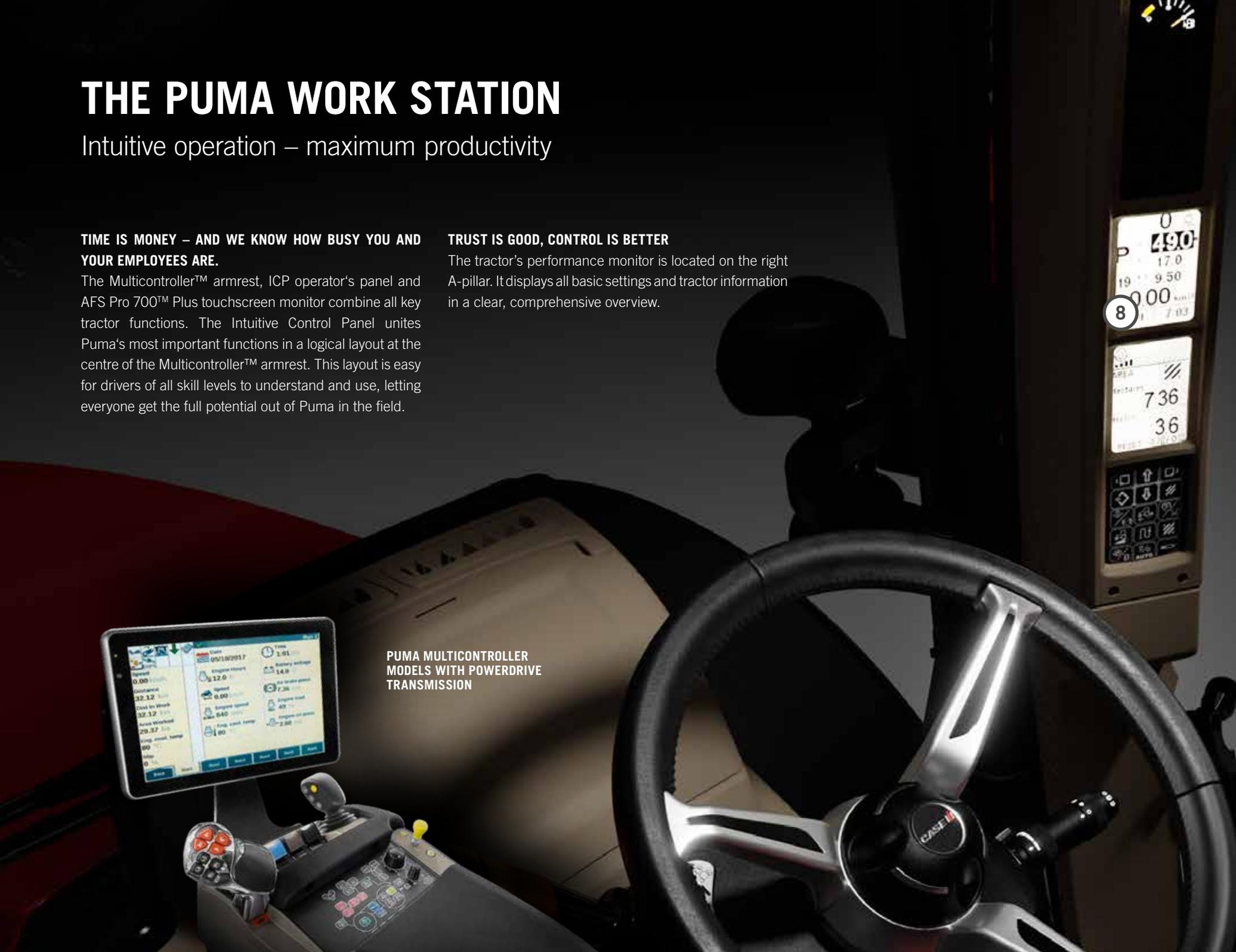
The Multicontroller™ armrest, ICP operator's panel and AFS Pro 700™ Plus touchscreen monitor combine all key tractor functions. The Intuitive Control Panel unites Puma's most important functions in a logical layout at the centre of the Multicontroller™ armrest. This layout is easy for drivers of all skill levels to understand and use, letting everyone get the full potential out of Puma in the field.

TRUST IS GOOD, CONTROL IS BETTER

The tractor's performance monitor is located on the right A-pillar. It displays all basic settings and tractor information in a clear, comprehensive overview.

**PUMA MULTICONTROLLER
MODELS WITH POWERDRIVE
TRANSMISSION**

8





1 AFS PRO 700™ PLUS TOUCHSCREEN

2 ADVANCED JOYSTICK WITH SHUTTLE FUNCTION

3 MULTICONTROLLER

4 UP TO 4 ELEC. REMOTES POSSIBLE

5 ICP – INTUITIVE CONTROL PANEL

6 FRONT/REAR PTO ON/OFF

7 HYDRAULIC AND HITCH SETTINGS

8 TRACTOR- AND PERFORMANCE-MONITOR
LOCATED IN THE RIGHT-HAND A-POST



AFS PRO 700 PLUS: ONE MONITOR, INFINITE POSSIBILITIES

Look to the future!



CUSTOMISABLE FOR YOUR NEEDS

The AFS Pro 700™ Plus monitor provides an overview of all tractor functions. Choose up to 12 important Puma parameters and store them in this quick access menu to be recalled when you need them.



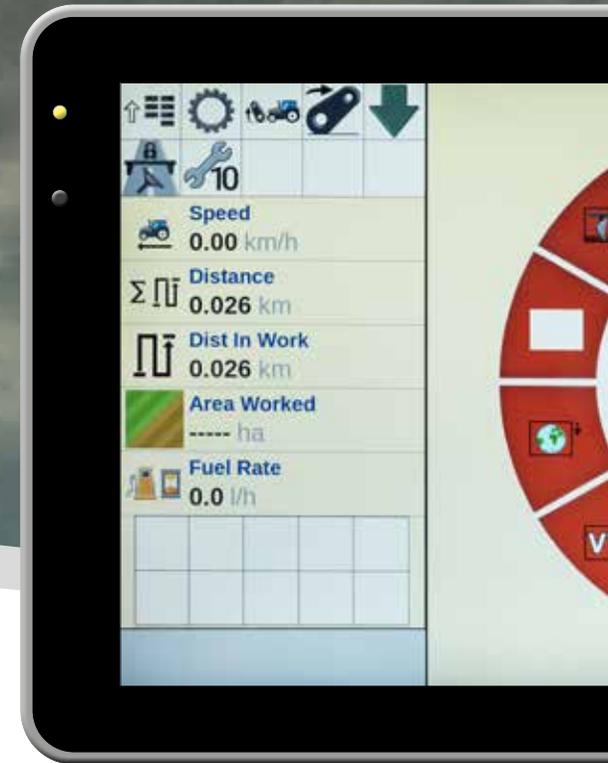
KEEPING AN EYE ON WHAT'S IMPORTANT

The AFS Pro 700™ Plus can show up to three live videos from cameras at the rear of the tractor, or the rear of large implements. This makes backing up with implements such as large trailers or balers easier than ever.



AUTOMATED HEADLAND MANAGEMENT

The Case IH Headland Management Control II system (HMC II) can increase automation at the headland and reduce repetitive tasks, ensuring a consistent work-flow. Two processes can be recorded in real time while you work, or by inputting commands on the The AFS Pro 700™ Plus. Triggers can include time or distance travelled, depending on the settings.



INTERFACE WITH YOUR TRACTOR AND AFS CONNECT

The new AFS Pro 700™ Plus monitor is the main mode of operating and supervising your Puma. The latest connectivity package allows real time information and universal data transfer. Leverage your data faster with enhanced multi task capabilities to run advanced Case IH Smart Farming applications such as Case IH Accuguide, Section and Rate Control, or exchange data from your monitor to your MyCase IH AFS Connect telematics portal.



AFS Pro 700™ Plus further enhances your productivity with AEF ISOBUS certification and 4 video inputs, so you can keep an eye on everything.

The larger size and higher resolution of the screen itself gives a high-tech, high spec impression, while the construction takes into account the need for robust, hard-wearing farm technology. The full glass surface has an anti-fingerprint coating to prevent smudges. As you'd expect from Case IH, the AFS Pro 700™ Plus is a modern, innovative monitor, built to last for your requirements.



INTEGRATED AEF CERTIFIED ISOBUS IMPLEMENT CONTROL

ISOBUS is a modern tractor/implement interface allowing implement operation on the AFS Pro 700™ Plus. This can reduce the need for a second display in the cab. Connect via the 9-pin ISOBUS plug at the rear or front of the Puma. Puma Multicontroller and Puma CVXDrive are also compatible with ISOBUS III, which allows the implement to control tractor functions such as the remote valves, PTO, rear hitch and ground speed.



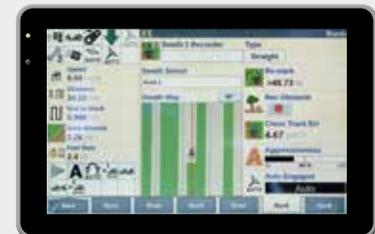
CLEAR PERFORMANCE MONITORING

You can view all the critical Puma performance values such as oil pressure and coolant temperature on the The AFS Pro 700™ Plus. Regular monitoring and easy-to-understand data ensure your Puma is ready for work when you need it. For further analysis, you can choose to transfer your data from the The AFS Pro 700™ Plus directly to your myCASEIH platform to analyze and improve uptime in the field, without having to record it in a notebook.



AUTOMATED STEERING AND TURNING

AFS AccuGuide and AFS AccuTurn Pro work together to provide fully automatic steering and headland turning. Combined, they can improve machine uptime in the field and reduce input costs by reducing overlaps. With AFS AccuTurn Pro, you can automate headland processes and integrate HMC II tractor and implement functions into the turning process.



DRIVEN BY INNOVATION

The next step in performance

Puma tractors are built around the latest generation Stage V-compliant FPT engines, forming the heart of a powertrain that's built to take high-output hard work in its stride. The latest 6-cylinder engines are also designed for longer 750 hour oil and filter change intervals.



The 6.7 litre 4-valve engine with Common Rail high-pressure fuel injection and wastegate turbocharger delivers performance, torque, fuel efficiency and reliability between 140 and 180 hp (rated). All models benefit from an Engine Power Management boost for PTO, hydraulic and transport work, taking those figures to 175 to 225 hp.

STRENGTH WITHOUT COMPROMISE

A broad constant performance range and a superior torque rise of 47 % guarantee easy going even in the toughest situations. The Puma 175's engine delivers 840 Nm of torque starting at just 1,300 rpm, protecting components and keeping fuel consumption low.

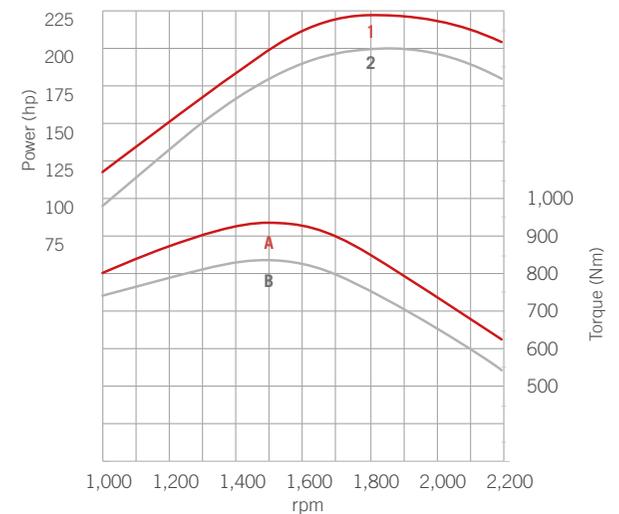
EXCEPTIONALLY MAINTENANCE-FRIENDLY

Daily maintenance is easily managed thanks to the bonnet which lifts open in one piece. The diesel tank has a large capacity of 330 litres, letting you work all day without stopping to refuel.

THE LEADING PIONEER OF SCR TECHNOLOGY

The patented and highly efficient Selective Catalytic Reduction (HI-eSCR2) system meets strict Euro Stage V emission standards without compromising engine performance. The system will perform automatically to help reduce the contaminants and does not require any maintenance, so you can stay up and running all day long.

PUMA 175 CVXDRIVE



Curves 1 and A with Power Management
Curves 2 and B without Power Management



ENVIRONMENTALLY-FRIENDLY

Hydro-treated vegetable oil, or HVO, is a biosynthetic diesel that is fully compatible with the Stage V FPT engine. Combined with the extended service intervals and biodegradable transmission oil, HVO compatibility cements the Puma's eco-credentials.



- 1 MAINTENANCE-FREE AFTERTREATMENT SYSTEM
- 2 HVO FUEL APPROVED
- 3 +25 % EXTENDED SERVICE INTERVALS (750 HOURS)
- 4 OPTIONAL WITH REVERSIBLE ECO-FAN

ADVANTAGES

- FPT engines with 175 to 225 hp maximum output
- Stage V compliant emissions with HI-eSCR2 exhaust gas aftertreatment
- No exhaust recirculation
- Up to 44 hp additional boost with Power Management
- 750 hour service interval
- Fuel tank with up to 330 l capacity
- Optional reversible Eco-fan available

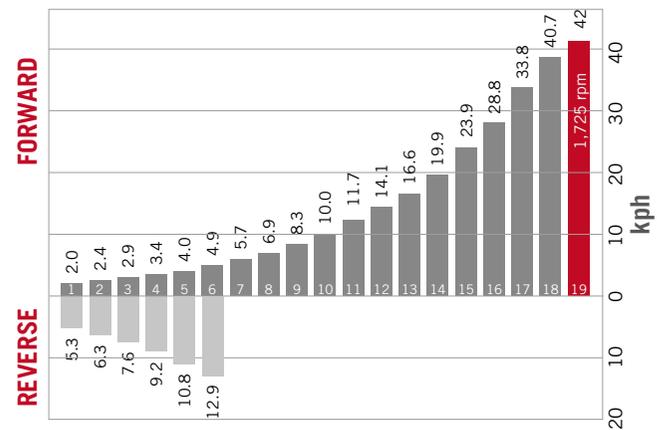


ONE COMPONENT WITH MANY POSSIBILITIES

The right transmission for the job

Every farm has its differences: Case IH embraces your individual requirements and provides you with two options for your transmission.

Choose between our semi powershift transmission and our full powershift shift transmission depending on what tasks you have in mind for your new Puma tractor. Discover all advantages that both options offer and find your best possible solution according to your preferences.



**MAX. SPEED POWERDRIVE FULL POWERSHIFT
TRANSMISSION WITH 19X6 GEARS, 40 KPH ECO**

THE SEMI POWERSHIFT

There is nothing basic about the transmission on standard Puma tractors. These entry-level machines benefit from a 18x6 40 kph ActiveDrive 6 semi-powershift with six clutchless changes. A creep speed option brings ten forward ratios to 28x6. Puma's six-speed powershift meets the needs of many businesses without skimping on specifications.

THE FULL POWERSHIFT

PowerDrive is a 19x6 speed full powershift transmission, offering either 40 kph travel speed at reduced engine rpm or 50 kph at maximum speed – with no clutching or torque interruption in the crucial 2.5 to 14 kph range. The Puma Multicontroller enables easy handling to always stay in control. A creep speed option is available for speed-sensitive tasks.

ADVANTAGES

- ActiveDrive 6 semi-powershift transmission with 18x6 40 kph or 19x6 40 kph or 40 kph ECO or 50 kph (Puma 140 – Puma 165)
- PowerDrive full powershift transmission with 18x6 or 19x6 40 kph or 40 kph ECO or 50 kph (Puma 150 – Puma 165 Multicontroller)
- All transmissions available with creep speed as low as 200 m/h





CONTINUOUSLY VARIABLE – PERMANENTLY EFFICIENT

Perfect interaction between engine and transmission saves fuel

The CVXDrive continuously-variable transmission is built to simply deliver the exact speed for your operation without compromise.

THE POWER OF EXPERIENCE

Seamless range changes, from standstill to 40 or 50 kph, and infinite control in key working speeds with double clutch technology - the CVXDrive transmission offers all this plus active hold control.

THE POWER OF CONTROL

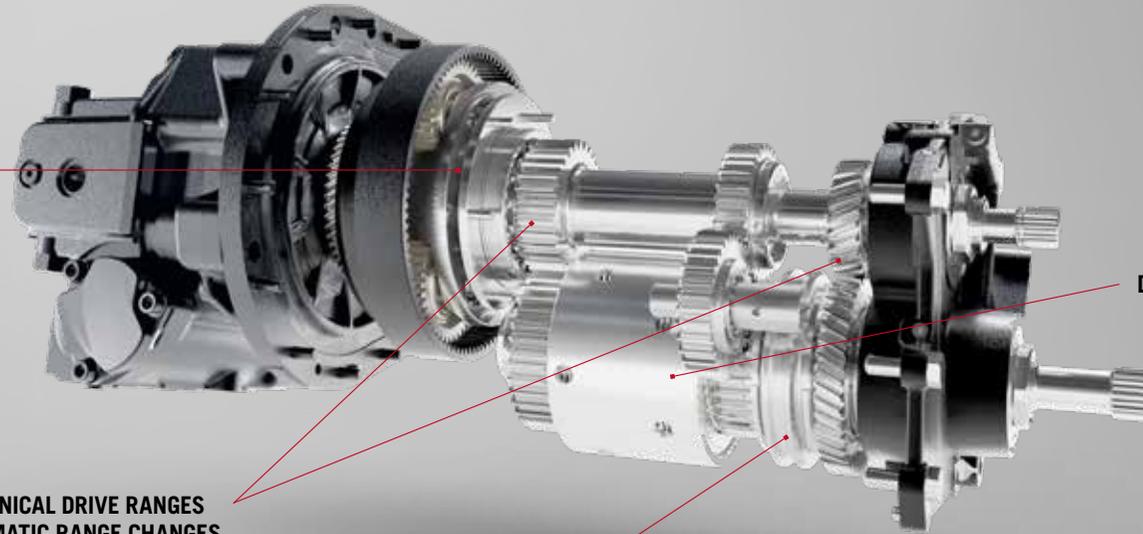
Automatic, manual or Eco Draft, there is a driving mode to suit your operation. In automatic mode the CVXDrive can easily be driven by the foot throttle or Multicontroller, Manual mode allows the CVXDrive to operate in a conventional manner, while Eco Draft puts you in control of draft performance – ensuring power is delivered efficiently at key working speeds.

ECODRIVE SPLIT THROTTLE

The ECODRIVE manual throttle allows the driver to preselect minimum and maximum engine speeds, adjusting engine speed range to work at hand. This helps you to save fuel.

CVXDRIVE TRANSMISSION – SEAMLESS ACCELERATION BETWEEN 0-50 KPH

**SUMMING PLANETARY
TRANSMISSION COMBINES
DRIVE SPEEDS OF THE ENGINE
AND HYDROSTAT UNIT FOR
ACTIVE HOLD CONTROL**



DOUBLE CLUTCH TECHNOLOGY

**TWO MECHANICAL DRIVE RANGES
WITH AUTOMATIC RANGE CHANGES**

**SYNCHRONIZER FOR GEAR 2
AND REVERSE GEAR**

A NEW DRIVING EXPERIENCE WITH CUSTOMISABLE TRANSMISSION SETTINGS

Case IH software engineers have enhanced the performance and driveability of the CVXDrive with new CVT control features that deliver smoother and more responsive characteristics, increasing uptime in the field.

Drivers can change the settings easily and quickly via the AFS Pro 700™ Plus display.

- Acceleration / deceleration
- Shuttling speed
- Drive pedal behaviour



**SIMPLE TO OPERATE
SET THE SPEED –
APM TAKES CARE OF THE REST**

FUEL EFFICIENCY THANKS TO APM, NO MATTER THE JOB

The APM automatically controls the tractor's speed depending on the optimal engine speed and gear ratio to maximise performance and reduce running costs. The driver need only move the Multicontroller or step on the foot throttle, APM takes care of the rest. For even greater fuel economy, top speed is achieved at just 1,550 rpm – perfect for transport work.

READY FOR ANY TERRAIN

Taking a new path

With an excellent power-to-weight ratio and a high maximum permissible weight, Case IH Puma tractors are strong in the field and on the road.

A TRACTOR WITH PERFECT TRACTION

Puma's automatic 4WD and differential lock systems can be automatically switched on and off where necessary, to combine minimal wheel slippage with maximum ground protection. The standard Ride Control system minimises pitching movements when transporting heavy mounted implements.

TOUGH, YET GENTLE

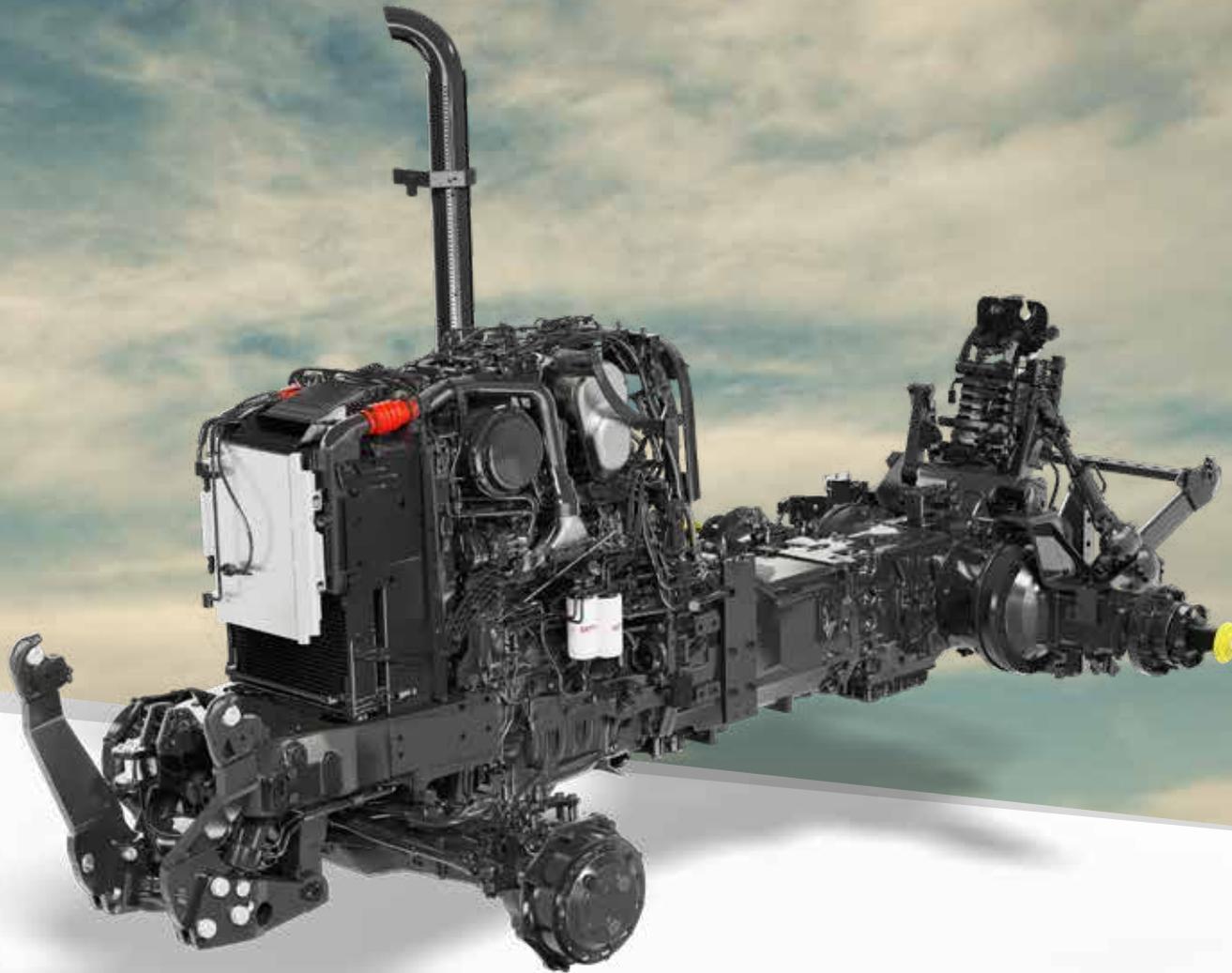
Optional front axle suspension increases comfort, improves handling and improves handling and further helps counteract pitching. A sophisticated damping system provides maximum stability and offers automatic, load-dependent self-levelling. The result is excellent driving stability and comfort.

MECHANICAL CAB SUSPENSION: ENJOY LESS BACK STRAIN AND MORE COMFORT

CTIS READY

To make the most of the new IF and VF tyre technology, Case IH Puma models can use Central Tyre Inflation Systems (CTIS) that work through ISOBUS and show tyre pressure and settings on the AFS Pro 700™ Plus monitor. CTIS allows IF and VF tyres work at their optimum tyre pressure, delivering performance and fuel savings while respecting the soil and its structure.





THE PERFECT BALANCE

Puma tractors have a low power-to-weight ratio of up to 30 kg/hp, for superb agility and continuous traction. Its stable construction is made for high payloads with an increased maximum permissible total weight of up to 11,500 kg.

ADVANTAGES

- Optional engine block side frame increases the stability of the driveline
- Braked and suspended class 3.5 front axle with 105 mm travel
- Maximum permissible front axle load of 4,900 kg
- Reinforced rear axle with four planetary gears for a long service life
- Four high-performance brake discs on the rear axle ensure safety



DESIGNED FOR SAFETY

To protect what matters most

PATENTED SAFETY SOLUTION

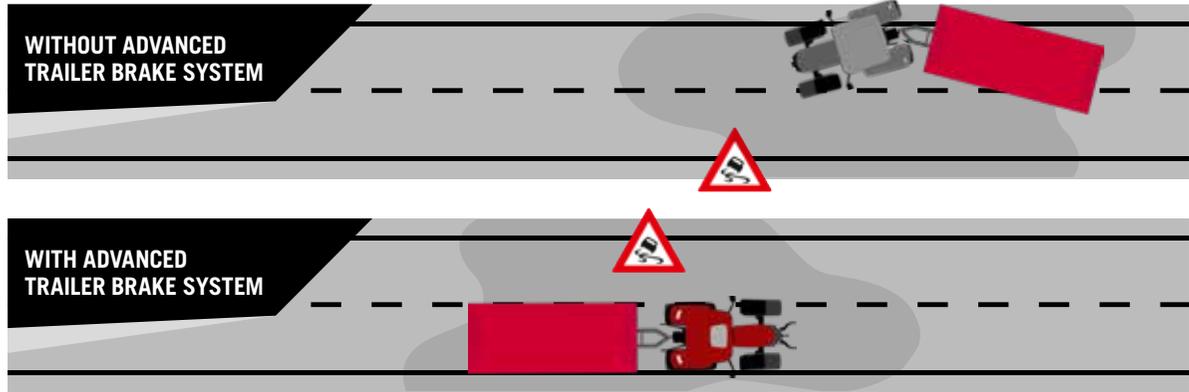
Enhance your safety in tricky situations with the Advanced Trailer Brake: The patented system actively recognises driving situations and changes to the load on the flywheel. In this case, it stabilizes tractor and trailer through pulsed activation of pneumatic trailer brakes – when decelerating either by pulling the Multicontroller back or using the brake pedal.

EXHAUST BRAKE

An engine back-pressure brake is available as an option on Puma CVXDrive models. This reduces use of the service brake by up to 30 %, which saves wear on tractor and implement brakes.

PARKING BRAKE

All Puma CVXDrive models also feature an automatic parking brake. It activates automatically after 90 seconds or if the driver leaves his or her seat for more than 5 seconds.



THE ADVANCED TRAILER BRAKE SYSTEM ACTIVELY RECOGNISES THE CURRENT DRIVING SITUATION AND STABILISES THE TRACTOR AND TRAILER COMBINATION BY USING THE TRAILER'S BRAKES.



MORE FEATURES, MORE POSSIBILITIES

Ready for work

Versatility is key. Mowing, tedding, baling and more – the rear PTO has a lot of jobs to do, and Case IH has practical solutions for all of them. Puma tractors work with a 3-speed rear PTO (540/540E/1,000 - standard or 540E/1,000/1,000E - optional).

WE HELP YOU SAVE

The ECO PTOs are designed especially to match engine characteristics, so that 540 ECO or 1,000 ECO speeds are achieved at below 1,600 rpm engine speed. This not only saves fuel on lighter work, but also keeps the noise level down.

UNSURPASSED

Numerous additional functions ensure optimal operation: soft start engagement gradually increases torque on the driveline to prevent excessive start resistance. This reduces wear on your implements, extending their service lives. A hydraulic brake also ensures that speed is reduced immediately once the PTO is switched off. The PTO management system (Puma Multicontroller and CVXDrive) switches the rear PTO off when the hitch has reached a predefined height, and back on again after turning, all fully-automatically. This prevents the PTO and implement from continuing to run at a bad angle to each other.

THE RIGHT SPEED AT THE PUSH OF A BUTTON

When using the PTO, the constant speed memory can be activated. The AFS Pro 700™ Plus monitor lets you preset a suitable engine speed for the implement, which is activated by pressing a button or by the Headland Management HMC II. This saves valuable time and fuel.

ADVANTAGES

- Three PTO speeds at the rear for all Puma models as standard
- ECO PTO speeds for better fuel economy (540E or 1,000E at below 1,600 engine rpm)
- Front PTO with 1,000 rpm and optional front hitch management



- Heavy-duty PTO clutch with soft start function
- Integrated PTO brake
- PTO with three speeds and one or two Economy PTO speeds (540/540E/1,000 or 540E/1,000/1,000E)
- Three different PTO shafts possible

CONNECT ALL KIND OF IMPLEMENTS TO YOUR TRACTOR

Simple solutions even for the heaviest implements

A tractor's hydraulic capabilities play a large part in defining its uses. Case IH Puma tractors are fitted with high-performance hydraulic pumps, lifting equipment and remote valves, allowing you to use large implements.

MOVE IT ALL

Puma's advanced hydraulic system leaves nothing to be desired: flowrates of up to 160 l/min are available, with up to 8 electrical remote valves and a rear hitch lift capacity of 8.3 t.

PERFECTLY MATCHED

Load sensing Power Beyond connections are available so you can efficiently operate special machines requiring large flowrates. If electrical remote valves are equipped, the electrical joystick is a huge advantage as a controller, especially when using a front loader.

EVERYTHING IN HAND

Puma tractors are also available with a wide range of hydraulic equipment to suit your unique needs. Choose electrical or mechanical remote valves.

FRONT END TAKES THE LEAD

The Puma's front hitch can lift up to 3,568 kg and can be fitted in combination with a front PTO and/or front hitch management. This opens up even more practical possibilities.

CUSTOMISED SETTINGS

If your Puma is equipped with HMC II, any remote valve can be assigned to the Multicontroller. Keep all hydraulic functions exactly where you want them. With flowrate control, you can adjust the flowrate of hydraulic oil to perfectly match the implement – either from the AFS Pro 700™ Plus monitor or via the dial encoder under the armrest cover. Timing and prioritizing the remote valves is another standard function.

AT-A-GLANCE OVERVIEW OF FLOWRATE AND TIMER SETTINGS ON THE AFS PRO 700™ PLUS MONITOR.





ADVANTAGES

- Maximum rear lift capacity of up to 8,257 kg
- 3,568 kg maximum front lift capacity
- 4 mechanical (all Puma models) or 5 electrical remote valves (Puma Multicontroller and Puma CVXDrive)
- Electrical joystick control
- Up to 3 electrical mid-mounted remote valves
- Colour coded remotes and control switches

- 1 ISOBUS is available as an option for implements that use this function. Working with the AFS Pro 700™ Plus monitor, you can control implements with ease from one monitor
- 2 Hitching up to implements is easy thanks to a logical layout
- 3 Cat II-III lower link with automatic stabilisers
- 4 Exterior buttons for hitch, electrical remote and PTO on/off

EXPAND YOUR CAPABILITIES

The new Case IH L loader series

Benefit from maximum precision, rapid response, and next level capacities for a remarkable ease of handling.

Puma tractors are available loader-ready and designed to operate as a system with two new Case IH L loader ranges – the U range and the T range.

Two ranges with seven models in total were developed so that you can find your perfect match according to your individual requirements. You just choose and we take care of the rest, just as usual.

| RANGES | T | U |
|---------------------------------|--------|----------|
| SHOCK ELIMINATOR System® | | Standard |
| MACH System® | | Standard |
| FITLOCK 2+ System® | | Standard |
| MACH 2 System® | | Standard |
| FAST-LOCK System® | Option | Option |
| AUTO-UNLOAD System® | Option | |



PREMIUM DESIGN – MAXIMUM OUTPUT THE T RANGE

The flagship T range is a premium specification range including hydraulic self-levelling as standard to increase the lifting power by 35 %.

This unique system automatically maintains the implement angle by using two perfectly integrated compensation rams, constantly connected to the dumping rams.



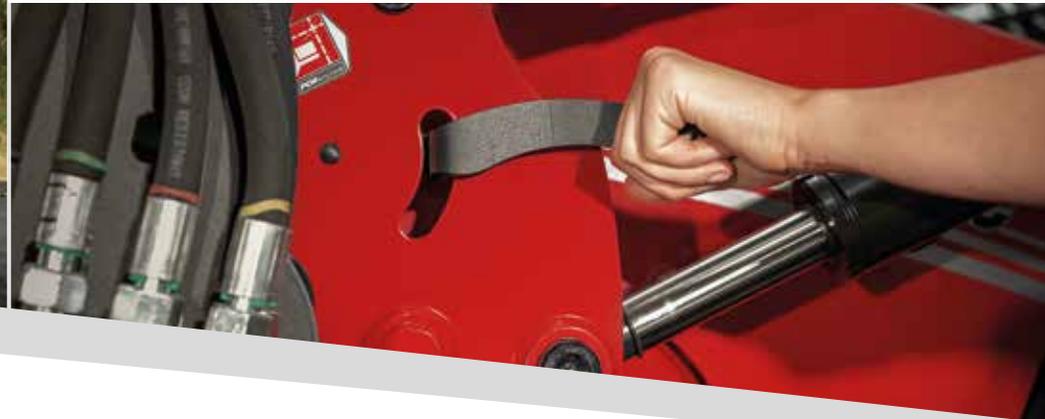
VERSATILE AND DURABLE

THE U RANGE

The robust U front loader range with mechanical self-levelling is ideal for everyday handling tasks. They are easy to operate and are offered with the FITLOCK 2+ System® for automatic locking and unlocking.

- 4 models available
- Maximum lift heights from 4.13 up to 4.60 m
- Maximum lift capacities from 2,594 up to 3,261 kg

- 3 models available
- Maximum lift heights from 4.13 up to 4.58 m
- Maximum lift capacities from 2,412 up to 2,799 kg



HIGH-SPECS FOR HIGHEST DEMANDS

Simply accomplish more – in less time

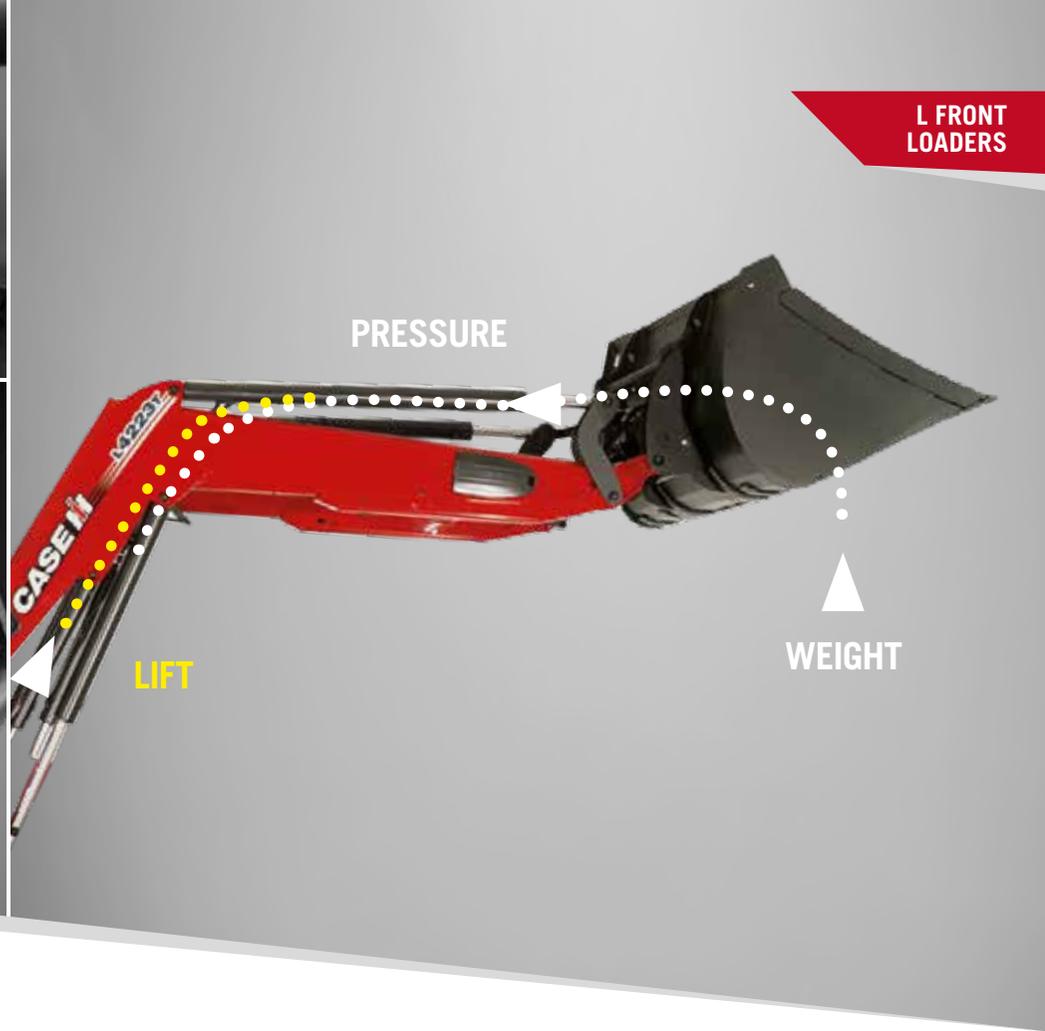
STRONG CONCEPTS. BIG IMPACT.

The loader bracket is optimally positioned near the tractor's center of gravity, reducing stress on the front axle and distributing the weight of the load for greater stability. Perfect lifting capacity is ensured by a vertical lifting curve which provides a constant lifting force from the bottom upwards.

- Bracket position close to center of gravity
- Exceptional forward reach for discharge and a convenient position to load a trailer or a mixer
- The design ensures a vertical lifting curve which provides a constant lifting force from the bottom upwards

ANYTIME. MORE THAN READY.

U and T range loaders are fitted with the FITLOCK 2+ premium system, allowing automatic locking of the loader. The MACH multicoupler allows quick coupling and uncoupling of all hydraulic and electric loader functions with ease, even under pressure.



LOADERS FULL OF ENDLESS POSSIBILITIES

The Case IH loader series are designed with a modular implement carrier (MX or EURO implement carrier) which can handle more than 35 types of attachments. Depending on the model chosen, you can electro-hydraulically hitch and unhitch implements without leaving your seat – a new dimension of convenience with the FAST-LOCK system®. In addition to hydraulic locking, the MACH 2 system allows the connection of the third and fourth function with a single movement, even under pressure. Mixed up connections have become a thing of the past.

PCH (ONLY ON T SERIES)

NUMBERS SPEAK LOUDER THAN WORDS: 35% MORE POWER

The T range is equipped with the PCH hydraulic self-levelling linkage. This unique feature automatically maintains the implement angle by using two perfectly integrated compensation rams, constantly connected to the dumping rams. The PCH system also increases lifting power by up to 35%. The weight of the loaded attachment generates pressure in the tilt rams which is transferred to the PCH rams and supports the lifting process.



 Slip
3 %

 %
kW
Engine Power
91 %



SMART, COST-EFFICIENT AND ECO-FRIENDLY

Case IH Advanced Farming Systems (AFS)

As one of the leading agricultural manufacturers of precision farming technology, Case IH helps you to enhance your output and to be fit for the future.

Therefore, we offer a wide range of applications that combine information input and the unique AFS Connect™ telematics portal into a goal-oriented data management system for registered machines. Of course, this also includes full ISOBUS compatibility and the HMC II headland management system.

Get ready for repeatable accuracy, reduced overlaps, lower operating costs and maximisation of profits – get ready for advanced farming!



WORK SMARTER, NOT HARDER: CASE IH AFS

Take advantage of maximum precision – day in and day out

Everything you need to maximise your profitability: Achieve repeatable accuracy down to 1.5 cm, reduce overlaps, and cut operating costs. Case IH Advanced Farming Systems (AFS™) have been at the forefront of precision farming for more than a decade.



XFILL BRIDGES RTK+ SIGNAL LOSSES OF UP TO 20 MINUTES



AUTOMATED GUIDANCE WITH AFS ACCUGUIDE

ALWAYS ON TRACK WITH AFS ACCUGUIDE

Customize your Puma with the fully-integrated AFS AccuGuide guidance system, the AFS Pro 700™ Plus touchscreen monitor and steering position sensors. Or equip your Puma with one of the AFS guidance solutions available at your dealership. Using our Case IH AFS RTK+ signal gives you track-to-track accuracy of 1.5 cm. Even when there are signal gaps, the system bridges connection failures or signal dropouts of up to 20 minutes thanks to the xFill feature.

ADVANTAGES

- Range of signal accuracies available
- Receivers use Galileo, GPS and GLONASS signals
- Low cost RTX signal solution
- Optional high accuracy Case IH AFS RTK+ signal with accuracy levels close to 1.5 cm
- Integrated automatic AccuGuide guidance
- xFill bridges RTK+ signal gaps of up to 20 minutes



DIGITAL FLEXIBILITY: AFS CONNECT

Find your own new way of farming!

AFS Connect lets you remotely monitor and manage your farm, fleet and data, allowing you to optimise your performance, productivity and flexibility. Efficiently visualise your equipment with little to no idle time. Your Puma Series can be pinpointed in real time from the comfort of your office. An analysis of the performance data can help you optimise logistics and efficiency coupled with lower fuel consumption. With all the information at your fingertips, you can successfully manage your operations anytime, anywhere!



USER-FRIENDLY INTERFACE

- New, intuitive and redesigned interface with all information at your disposal
- Ergonomic platform divided into 3 sections: fleet, farm & data

TIME-SAVING MANAGEMENT

- Visualisation of data from multiple machines in one field
- Manage your activity & transfer data from your office to machines and vice versa

MAXIMUM PRODUCTIVITY-ENHANCING DECISION MAKING

- Notifications & visualisation of critical operating parameters
- Connect and share securely with Application Programming Interface (API) with third party partners

RECEIVE UPDATES ON YOUR DAILY OPERATIONS

- See, share and manage data on the go, in real time, from any device
- View updated machine telematic data and fault codes remotely

THE ULTIMATE SOLUTION FOR WHEN YOU'RE ON THE MOVE

- Live vehicle map lets you find machines' locations and get driving directions
- Share vehicle info, location and directions with various apps (e.g. WhatsApp) on your phone



YOUR ALL-NEW DESTINATION FOR CASE IH PRODUCT SUPPORT

MYCASEIH is a new free cloud-based platform which gives you a single place to log in for access to everything related to your Case IH farm equipment. Find an overview of all your machine and equipment, manage your users and access a support knowledge section with operator manuals, support documents, parts catalogues and more. The platform is available on all devices: smartphone (Apple & Android), tablet and desktop.

VISIT US AT
MY.CASEIH.COM





FARM MANAGEMENT

GET MORE DONE EACH DAY
OPTIMISE YOUR TIME BY EASILY ORGANISING YOUR FIELDS,
APPLICATIONS AND AGRONOMIC DATA

MANAGE YOUR COMPANY

Managing your fields and your data can be time-consuming. AFS Connect optimises your time by easily organising your fields, applications and agronomic data.

With a wealth of information at your fingertips, you can boost your operation's performance.

Data visualisation: access agronomic data in near real-time for all your seeding, application and yield activities. Included: topographic, weather, equipment, or prescriptions information.

Reporting: capture all of your critical farming information on the go or directly from your equipment. Plan upcoming activities, manage logistics, share data with your trusted advisors and make informed decisions.

Usability: Keeping track of everything going on in your operation has never been easier. Whether you're on the road, in the field or at the office, the intuitive user interface keeps you informed.



FLEET MANAGEMENT

TRACK, MONITOR & MANAGE YOUR ENTIRE FLEET
EFFICIENTLY TRACK YOUR EQUIPMENT'S LOCATION &
VIEW MACHINE PARAMETERS IN REAL TIME

MANAGE YOUR PRODUCTIVITY

When all your equipment operates efficiently with little to no idle time, you have the peace of mind that comes with working smarter and knowing that you're doing all you can to make the most of each growing season.

Fleet overview: access key information with detailed performance values for each machine by vehicle type. The map overview allows visualisation of connected equipment to more efficiently execute infield operations and coordinate the fleet.

Vehicle details page: access recent machine operations and get a 7 day report of the vehicle status by hours and fuel usage.

Alerts history and notifications: view and filter the faults shown to the operator on the in-cab displays. Configure and setup notifications such as vehicle speeds, oil temperature, engine load or fuel level and receive them via web or via text messages.



DATA MANAGEMENT

CONNECT AND SHARE DATA
SECURELY SHARE YOUR FARM DATA WITH TRUSTED
PARTNERS, ANYTIME, ANYWHERE

MANAGE YOUR DATA EXCHANGE

Seamlessly manage, share and move data – all while ensuring you stay in complete control with your preferred trusted business partners.

Secure data sharing: Securely share selected data with trusted partners while keeping complete control over who can access each piece of generated data.

Third-party partners: wirelessly transfer two-way data between AFS Connect and trusted third-party suppliers (Trimble®, MyEasy Farm, Farmers Edge, Cropwise, CropScan Ag) to make the most of agronomic data and drive daily management decisions.

Solutions for mixed fleets: Case IH customers benefit from a comprehensive solution for sharing data thanks to a recent partnership:

- DataConnect is a new cloud-to-cloud interface, in partnership with CLAAS, 365FarmNet, John Deere and New Holland. Mixed-brand fleets owners can look forward to easier data exchange and management without compatibility issues.



**MACHINE
OF THE YEAR**

© 2020 traction



PRESS CONTROLLER

Round baler loading control algorithm (software)

ISOBUS CLASS III



TRACTOR CONTROLLER

Speed adjustments made based on relevant signals from the baler



ISOBUS FUNCTIONS CAN BE CONFIGURED ONTO EXISTING CONTROLLERS SUCH AS THE MULTICONTROLLER, JOYSTICK AND CONTROL LEVERS.

AUTOMATED OPERATING SEQUENCES FOR INCREASED PRODUCTIVITY

Work productively, accurately, and in comfort with the headland management system, AccuTurn Pro, and integrated ISOBUS compatibility

The monitor integrated into the operator's seat armrest gives the operator full control over all the tractor's automatic functions and the reversing camera.

AEF Certified

ISO BUS

www.aef-isobus-database.org



HMC II / ACCUTURN
PRO / ISOBUS



HMC II – AUTOMATED HEADLAND TURN

All Puma CVXDrive and Multicontroller models feature Headland Management Control II, which is designed to assist the driver when turning at the headland. Each step can be programmed either by time or distance travelled. In addition, triggers for various other automated functions can be set, such as lowering the engine speed after lifting the implement. A headland sequence can be recorded while driving or programmed on the stand. The sequence can be played back manually or automatically via the Multicontroller, the ICP control panel in the armrest, or the AFS Pro 700™ Plus monitor.

ISOBUS CLASS III – OPTIMISED FEED RATE

In addition with ISOBUS basic standards, which suggest implement settings via the AFS Pro 700™ Plus monitor (Class I) and control implements (Class II), the Puma CVXDrive also offers ISOBUS Class III. With ISOBUS III, the implement automatically controls aspects of the Puma CVXDrive. The tractor will automatically adjust forward speed, steering (option), hitch position and PTO speed, as well as operating remote valves depending on the implement's needs. The result is perfect cooperation and improved efficiency of the implement and tractor.

ACCUTURN PRO – SMART HEADLAND TURNS

The system is fully customisable, so that you can choose between multiple turn triggers, choose to turn early or late, skip up to 12 swaths or to customise the turn path to optimise implement positioning for re-entry when using trailing implements with a long hitch.

Besides reducing skips and overlaps, it ensures your implement is square after every turn to provide the greatest agronomic benefit for your plants' growing environment

The Accuguide option selection is required.



PARTS AND SERVICES

Solutions for your farming

Our professional dealer network backed up by local Case IH teams, industry-leading Case IH support tools, modern training methods, best-in-class replacement parts, support and logistics performance. All you need for an excellent all-encompassing after-sales service to keep you farming.

GENUINEPARTS

THE IDEAL CHOICE

Our wide range of top quality genuine parts can help maintain the full potential of your machine, season after season, guaranteeing top performance, utmost productivity and high residual value.

REMANPARTS

REMANUFACTURED

Cutting-edge technology, tailored tooling, equipment and stringent quality testing allow us to remanufacture essential components of your machine to the highest standards, ensuring the same performance as new parts.

ACCESSORIESLINE

BUSINESS SOLUTIONS

Our engineers also develop solutions to cover every one of your individual demands, packaged into kits and designed to help improve business efficiency. Your Case IH dealer offers a host of partner-branded tools, small parts and accessories provided by selected partner suppliers.

MAXSERVICE

AROUND THE CLOCK. AROUND THE COUNTRY.

The Case IH support operates around the clock in high season, in close partnership with the dealer network, to minimise any downtime you might experience. Your dealer, together with Case IH Parts & Service team, has the main goal of getting you back to work as quickly as possible. Solutions may come through the priority shipment of needed parts (24/7), the support on field of Case IH technicians, courtesies units wherever applicable.



SAFEGUARD WARRANTY

PROTECT YOUR INVESTMENT

The Case IH Extended Warranty program under the same condition as the first year. SAFEGUARD WARRANTY allows you to protect your investment from exposure to risk of unexpected repair cost, farm with peace of mind, keep operating costs under control and, at same time, increase machine resale value.

SAFEGUARD CONNECT

ENHANCE YOUR PRODUCTIVITY

SAFEGUARD CONNECT™ is the combination of the best Case IH Services into one unique comprehensive package. A set of added-value services included in your new connected flagship machine*, for long-lasting protection of your investment and maximum productivity of your farming. SAFEGUARD CONNECT may include: Safe-guard Warranty, Max Service, Preseason checks, Operator training, and all the AFS Connect features and services such as the Proactive Remote Support from our control rooms, Telematics, Fleet management, Maintenance Reminders and machine history reports.



OPTIMAL FINANCING SOLUTION FOR EVERY INVESTMENT

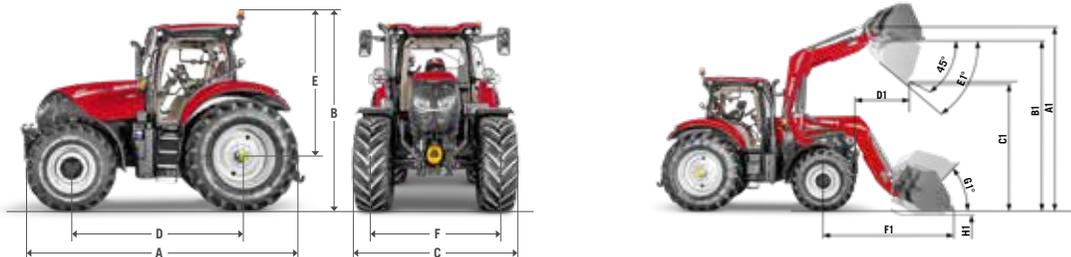
CNH Industrial Capital is the financing company for Case IH. Our employees are financial experts and have many years of experience in agriculture. We not only know about Case IH products and the market – we also understand the individual requirements of your operations. Therefore we are always able to offer you a financial solution for your new investments that is tailored specifically to your operational requirements. Our most important goal is improving the profitability of your investments!

* ask your Dealer for the availability, terms and conditions of Safeguard Connect for your new Case IH machine.

| MODELS | PUMA 175 CVXDRIVE | PUMA 165 CVXDRIVE | PUMA 150 CVXDRIVE | PUMA 165 MULTICONTROLLER | PUMA 150 MULTICONTROLLER |
|---|--|----------------------|----------------------|--|-----------------------------|
| ENGINE | | | | | |
| Number of cylinders / Capacity [cm³] | 6 / 6,700 | | | 6 / 6,700 | |
| Type / Emission level | Common Rail Diesel engine, turbocharger and HI-eSCR2 only exhaust after treatment / Stage V | | | Common Rail Diesel engine, turbocharger and HI-eSCR2 only exhaust after treatment / Stage V | |
| Maximum power ECE R120 ¹⁾ Power Management ²⁾ [kW/hp(CV)] | 165 / 224 | 154 / 209 | 140 / 190 | 154 / 209 | 140 / 190 |
| Maximum power ECE R120 ¹⁾ [kW/hp(CV)] | 147 / 200 | 132 / 180 | 121 / 165 | 132 / 180 | 121 / 165 |
| ... at engine speed [rpm] | 1,800 | | | 1,800 | |
| Rated power ECE R120 ¹⁾ Power Management ²⁾ [kW/hp(CV)] | 151 / 205 | 140 / 190 | 129 / 175 | 154 / 209 | 140 / 190 |
| Rated power ECE R120 ¹⁾ [kW/hp(CV)] | 132 / 180 | 121 / 165 | 110 / 150 | 121 / 165 | 110 / 150 |
| ... at engine speed [rpm] | 2,200 | | | 2,200 | |
| Maximum torque Power Management ²⁾ [Nm @ 1,500 rpm] | 940 | 875 | 805 | 875 | 805 |
| Maximum torque [Nm @ 1,500 rpm] | 840 | 770 | 700 | 770 | 700 |
| Torque rise standard / Power Management ²⁾ [%] | 46 / 44 | 46 / 44 | 46 / 44 | 46 / 44 | 46 / 44 |
| Fuel tank capacity, diesel / urea [litres] | 330 / 48 | | | 330 / 48 | |
| TRANSMISSION | | | | | |
| ActiveDrive 6 - 18x6 semi powershift / PowerDrive - 18x6 full powershift 40 kph | - | | | ○ / ● | |
| ActiveDrive 6 - 19x6 semi powershift / PowerDrive - 19x6 full powershift 40 kph ECO @ reduced rpm | - | | | ○ / ○ | |
| ActiveDrive 6 - 19x6 semi powershift / PowerDrive - 19x6 full powershift 50 kph | - | | | ○ / ○ | |
| CVXDrive continuously variable transmission 50kph or 40 kph ECO | ● | | | - | |
| Powershuttle | ● | | | ● | |
| Creep | - | | | ○ | |
| Rear axle diff-lock type | Multi disc wet plate with management system | | | Multi disc wet plate with management system | |
| Service brake | Hydraulically operated multiple wet disc brake, self adjusting | | | Hydraulically operated multiple wet disc brake, self adjusting | |
| POWER TAKE OFF | | | | | |
| Type | Shifttable with progressive electro-hydraulic engagement. Auto-PTO optional | | | Shifttable with progressive electro-hydraulic engagement. Auto-PTO optional | |
| Speeds Standard (Option) | 540 / 540E / 1,000 (540E / 1,000 / 1,000E) both with optional ground drive | | | 540 / 540E / 1,000 (540E / 1,000 / 1,000E) both with optional ground drive | |
| ... at engine speeds Standard (Option) [rpm] | 1,969 / 1,546 / 1,893 (1,592 / 1,893 / 1,621) | | | 1,969 / 1,546 / 1,893 (1,592 / 1,893 / 1,621) | |
| Shaft type Standard (Option) | 1 3/8" 21 splines (1 3/8" 6 splines or 1 3/4" 20 splines) | | | 1 3/8" 21 splines (1 3/8" 6 splines or 1 3/4" 20 splines) | |
| FRONT PTO AND FRONT HITCH | | | | | |
| Front PTO 1,000 speed @ engine rpm | 1,895 | | | 1,895 | |
| Front hitch max. lift capacity [kg] | 3,568 | | | 3,568 | |
| FOUR-WHEEL DRIVE AND STEERING (DRIVELINE) | | | | | |
| Type | Electro-hydraulic with management system, differential lock as standard | | | Electro-hydraulic with management system, differential lock as standard | |
| Front axle suspension | ● | | | ○ | |
| Min. turning radius ³⁾ track setting 1,829 mm [m] | 5.45 | | | 5.45 | |
| HYDRAULIC SYSTEM | | | | | |
| System type | Variable displacement, pressure flow compensated pump | | | Variable displacement, pressure flow compensated pump | |
| Max. pump flow rate Standard (Option) / System pressure [l/min / bar] | 140 (160) / 210 | | | 110 (150) / 210 | |
| Control type | Electronic Hitch Control (EHC) with cushion ride control | | | Electronic Hitch Control (EHC) with cushion ride control | |
| Max. lift capacity [kg] | 8,257 | | | 8,257 | |
| OECD lift capacity through range @ 610 mm [kg] | 6,616 | | | 6,616 | |
| Max. number of rear remote valves | 4 mechanical or 5 electrical | | | 4 mechanical or 5 electrical | |
| Max. number of mid mount valves with electrical joystick | 3 electrical | | | 3 electrical | |
| Remote valve timer control | 1 - 60 seconds on all models | | | 1 - 60 seconds on all models | |
| Category type | Cat II-III | | | Cat II-III | |
| Slip control | ○ | | | ○ | |
| STANDARD TYRES ⁴⁾ | | | | | |
| Front | 540/65 R28 | | | 540/65 R28 | 540/65 R28 |
| Rear | 650/65 R38 | | | 650/65 R38 | 650/65 R38 |
| WEIGHT / DIMENSIONS ³⁾ | | | | | |
| Average shipping weight [kg] | 7,528 | | | 7,319 | |
| Permissible total weight [kg] | 11,500 | | | 10,500 | |
| A: Max. length with front and rear lower links down standard / suspended front axle [mm] | 5,240 / 5,316 | | | 5,240 / 5,316 | |
| B: Total height low roof / standard cab [mm] | - / 3,025 | | | - / 3,026 | |
| C: Minimum width across rear fenders (narrow / wide type fender) [mm] | 2,060 / 2,476 | | | 2,060 / 2,476 | |
| D: Wheel base standard / suspended front axle [mm] | 2,734 / 2,789 | | | 2,734 / 2,789 | |
| E: Height at centre of rear axle, highest point low roof / standard cab [mm] | - / 2,210 | | | - / 2,210 | |
| F: Track setting front / rear [mm] | 1,325-2,285 / 1,430-2,230 | | | 1,325-2,285 / 1,430-2,230 | |

| PUMA 165 | PUMA 150 | PUMA 140 |
|---|------------|------------|
| 6 / 6,700 | | |
| Common Rail Diesel engine, turbocharger and HI-eSCR2 only exhaust after treatment / Stage V | | |
| 154 / 209 | 140 / 190 | 129 / 175 |
| 132 / 180 | 121 / 165 | 114 / 155 |
| 1,800 | | |
| 154 / 209 | 140 / 190 | 129 / 175 |
| 121 / 165 | 110 / 150 | 103 / 140 |
| 2,200 | | |
| 875 | 805 | 750 |
| 770 | 700 | 655 |
| 46 / 44 | 46 / 44 | 47 / 47 |
| 330 / 48 | | |
| ● / - ○ / - ○ / - - ● ○ | | |
| Multi disc wet plate with management system Hydraulically operated multiple wet disc brake, self adjusting | | |
| Shifttable with progressive electro-hydraulic engagement. Auto-PTO optional 540 / 540E / 1,000 (540E / 1,000 / 1,000E) both with optional ground drive 1,969 / 1,546 / 1,893 (1,592 / 1,893 / 1,621) 1 3/8" 21 splines (1 3/8" 6 splines or 1 3/4" 20 splines) | | |
| 1,895 3,568 | | |
| Electro-hydraulic with management system, differential lock as standard ○ 5.45 | | |
| Variable displacement, pressure flow compensated pump 110 (-) / 210 | | |
| Electronic Hitch Control (EHC) with cushion ride control 8,257 6,616 4 mechanical 3 electrical - Cat II-III ○ | | |
| 540/65 R28 | 540/65 R28 | 540/65 R28 |
| 650/65 R38 | 650/65 R38 | 650/65 R38 |
| 7,256 10,500 5,240 / 5,316 2,914 / 3,026 2,060 / 2,476 2,734 / 2,789 2,098 / 2,210 1,325-2,285 / 1,430-2,230 | | |

| MODELS | T RANGE | | | | U RANGE | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|
| | L4627T | L4522T | L4225T | L4223T | S4522U | L4222U | L4219U |
| Self-levelling type | Hydraulic self-levelling | Hydraulic self-levelling | Hydraulic self-levelling | Hydraulic self-levelling | Mechanical self-levelling | Mechanical self-levelling | Mechanical self-levelling |
| Loader working pressure [bar] | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
| LIFT HEIGHTS | | | | | | | |
| A1: Maximum lift height at implement pivot pin ⁵⁾ [mm] | 4,598 | 4,575 | 4,132 | 4,132 | 4,575 | 4,129 | 4,129 |
| B1: Maximum lift height under horizontal bucket ⁵⁾ [mm] | 4,316 | 4,293 | 3,850 | 3,850 | 4,293 | 3,847 | 3,847 |
| C1: Clearance under dumped bucket at max dumped angle [mm] | 3,706 | 3,683 | 3,240 | 3,240 | 3,683 | 3,237 | 3,237 |
| D1: Maximum reach at lift height / tyres (bucket at 45° dumped position) [mm] | 619 | 652 | 1,008 | 1,008 | 652 | 1,011 | 1,011 |
| WORKING ANGLES | | | | | | | |
| E1: Maximum dumped angle ⁵⁾ [°] | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| F1: Reach with bucket on ground ⁵⁾ [mm] | 2,617 | 2,617 | 2,522 | 2,522 | 2,617 | 2,522 | 2,522 |
| G1: Maximum rollback angle ⁵⁾ at ground level [°] | 49 | 49 | 50 | 50 | 49 | 50 | 50 |
| DIGGING DEPTH | | | | | | | |
| H1: Digging depth ⁵⁾ [mm] | 214 | 214 | 237 | 237 | 214 | 237 | 237 |
| LIFTING CAPACITY | | | | | | | |
| Lift capacity to maximum height - at implement pivot ⁵⁾ [kg] | 3,261 | 2,486 | 2,994 | 2,594 | 2,728 | 2,799 | 2,412 |
| Lift capacity to 1.5 m height - at pivot point ⁵⁾ [kg] | 3,513 | 2,714 | 3,330 | 2,900 | 2,720 | 2,962 | 2,546 |
| Breakout force at pivot pin ⁵⁾ [kg] | 3,763 | 2,901 | 3,639 | 3,167 | 2,924 | 3,246 | 2,789 |
| Bucket rollback force at maximum height ⁵⁾ [kg] | 2,917 | 2,434 | 2,570 | 2,570 | 2,426 | 2,760 | 2,242 |
| Bucket rollback force at ground level ⁵⁾ [kg] | 3,415 | 2,852 | 2,797 | 2,797 | 2,558 | 2,733 | 2,221 |
| CYCLE TIME | | | | | | | |
| Raising time [sec.] | 8.2 | 6.4 | 7.0 | 6.2 | 6.4 | 6.2 | 5.4 |
| Lowering time [sec.] | 5.9 | 4.1 | 4.8 | 4.0 | 4.1 | 4.0 | 3.2 |
| Bucket dumped time from crowded position at max height [sec.] | 3.8 | 3.3 | 3.3 | 3.3 | 1.0 | 0.9 | 0.7 |
| Bucket rollback time at ground level [sec.] | 2.7 | 2.5 | 3.0 | 2.5 | 1.3 | 1.2 | 1.1 |
| FEATURES | | | | | | | |
| Loader ready frame ⁵⁾ | ● | ● | ● | ● | ● | ● | ● |
| 3 rd hydraulic function | ● | ● | ● | ● | ● | ● | ● |
| MACH 2 [®] (for 3 rd function implement coupling) | ● | ● | ● | ● | ● | ● | ● |
| 4 th hydraulic function | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| MACH 2 [®] (for 4 th function implement coupling) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| SHOCK ELIMINATOR [®] System | ● | ● | ● | ● | ● | ● | ● |
| Electrical On / Off switch Shock Eliminator | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| MACH System [®] | ● | ● | ● | ● | ● | ● | ● |
| FITLOCK 2+ System [®] | ● | ● | ● | ● | ● | ● | ● |
| EURO QUICK ATTACH IMPLEMENT CARRIER | ● | ● | ● | ● | ● | ● | ● |
| MX QUICK ATTACH IMPLEMENT CARRIER | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| OTHER QUICK OPTIONS: MX – EURO, EURO – SMS, MX – FAUCHEUX WHITE, EURO – TENIAS, EURO – SIGMA 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| FAST-LOCK System [®] (for EURO or MX QUICK ATTACH) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| AUTO-UNLOAD System [®] | ○ | ○ | ○ | ○ | - | - | - |
| PCH SYSTEM [®] - Hydraulic self-levelling system | ● | ● | ● | ● | - | - | - |
| Mechanic self-levelling (MSL) | - | - | - | - | ● | ● | ● |





   
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Safety never hurts! Always read the Operator's Manual before working with any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment. Case IH recommends **AKCELA** lubricants.

TP01 / SM / 11/22 / Printed in Austria - Cod.No. 22C0022COMINB

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