

CASE IH
AGRICULTURE
FOR THOSE WHO DEMAND MORE

OPTUM CVX

270 - 300 TRACTORS



THE NEW OPTUM CVX

Another Milestone for Case IH.

Case IH has always been focused on customer requirements in the agriculture industry. Customers have told us that they need a tractor with more power close to ‚Puma‘ dimensions for their unique applications. Our solution is the Optum CVX range, which will become another milestone in the Case IH product history.

This range is powerful, compact and highly manoeuvrable with excellent power-to-weight-ratio. With it's stunning new design and eye catching signature lighting this tractor will handle any given task with maximum performance, efficiency and reliability.

THE OPTUM CVX. THE OPTIMAL SOLUTION.





THE BEST OF BOTH WORLDS

Heavy-duty performance. Compact design.

With its sleek looks and comfortable ride, it confidently outputs between 271 to 300 rated horsepower, depending on the model. The optimal power-to-weight ratio provides even greater versatility and opens up wider working windows in every situation.

Whether its tillage, seedbed preparation, planting, or haulage during harvest, we have equipped the Optum CVX with the latest systems to ensure maximum traction in the

field and efficient handling and braking on the road. The Optum CVX offers impressive control and safety. It feels great to drive, and we are certain you will enjoy the satisfying feeling of driving the most profitable investment around.

THE OPTUM CVX. OPTIMAL EFFICIENCY.

THE TOP PERFORMER

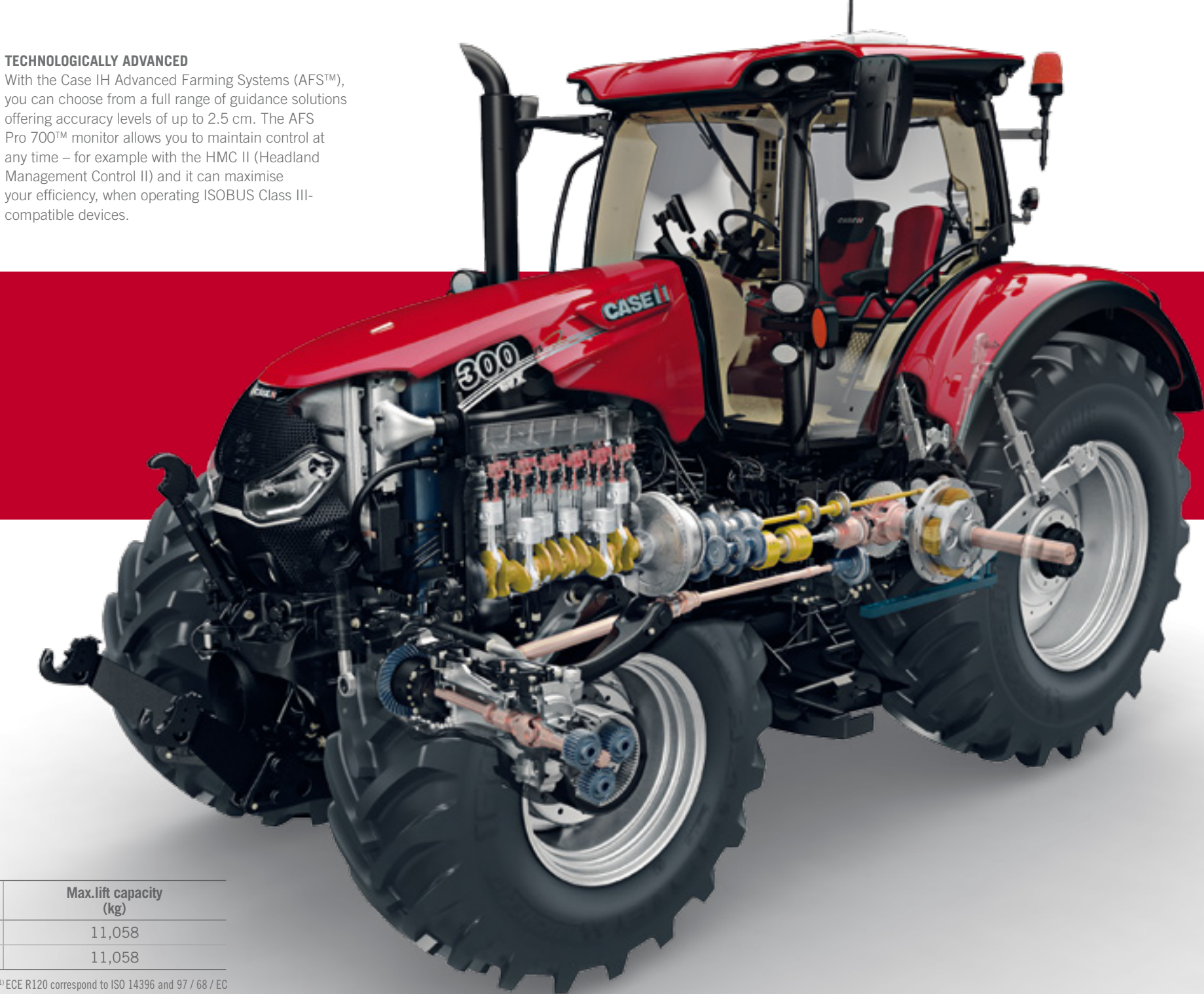
Productivity for all applications.

For a tractor of this size, the efficient power provided is breathtakingly impressive. You can rely on the smooth, no-compromise delivery of power as the engine effortlessly lugs any primary tillage implement, and hauls large trailers economically and safely at up to 50 km/h on the road.

THE OPTUM CVX. OPTIMAL PRODUCTIVITY.

MODELS	Rated power ECE R120 ¹⁾ @ 2,100 rpm (kW/hp(CV))	Maximum power ECE R120 ¹⁾ @ 1,800-1,900 rpm (kW/hp(CV))	Max. pump flow rate Standard / Optional (l/min)	Max.lift capacity (kg)
Optum 270 CVX	199 / 271	221 / 300	165 / 223	11,058
Optum 300 CVX	221 / 300	230 / 313	165 / 223	11,058

¹⁾ ECE R120 correspond to ISO 14396 and 97 / 68 / EC



TECHNOLOGICALLY ADVANCED
With the Case IH Advanced Farming Systems (AFS™), you can choose from a full range of guidance solutions offering accuracy levels of up to 2.5 cm. The AFS Pro 700™ monitor allows you to maintain control at any time – for example with the HMC II (Headland Management Control II) and it can maximise your efficiency, when operating ISOBUS Class III-compatible devices.

EFFICIENT AND PROVEN ENGINE
The new powerful 6.7 litre, 6-cylinder engine is designed to generate power and optimise fuel efficiency. Stage IV emissions standards are achieved with our proprietary high efficiency Hi-eSCR only after-treatment system.



STEPLESS PRODUCTIVITY
The CVX continuously variable transmission allows stepless travel from 0 to 50 km/h ECO.

LIGHT AND POWERFUL
The engine sump design is the backbone of the tractor. This compact design minimises weight to allow a 16,000 kg gross vehicle weight and an excellent payload of up to 5,500 kg. It enables the customer to add ballast when needed or use heavy front and rear implements.

A GREAT DAY AT WORK

The great feeling of driving Case IH's Optum CVX.

Experience the supreme level of comfort offered by the Optum CVX. Not only is it easy to use but it also looks great and is a joy to drive.

THE OPTUM CVX. OPTIMAL DRIVING.





- A** Left-hand cab storage area
- B** Instructional seat
- C** Luxury carpeted floor reduces noise levels from transmission/drivetrain
- D** Heated and ventilated seat with extendable/retractable lower seat cushion
- E** AFS PRO 700™ Touch screen
- F** Multicontroller armrest
- G** Auto climate control



STAY FRESH ALL DAY LONG

No better way to spend your working day.

- 1** Dual motion driver seat
- 2** Adjustable cab suspension
- 3** Front axle suspension with two damping cylinders and 110 mm travel and 8° oscillation

It is quiet enough inside the cab for you to answer messages on your phone while the AFS™ Accuguide system takes care of steering the tractor more precisely than most drivers can ever hope to manage. In fact, while you are at it, why not connect your phone by bluetooth to the Optum CVX audio system and listen to your playlist? Well before the headland, the AFS Pro 700™ monitor signals that it is ready to perform the sequence of movements required at the turn. You have excellent visibility of the turning area and the work area behind you – even at night – thanks to the 360° LED lighting package.

The Optum CVX cab offers comfort in abundance with a lightness and freshness that gives you more freedom and flexibility. With new suspension on the front axle, suspension on the front and rear linkages, suspension on the cab and suspension on the driver's seat, the driver is isolated from bumps and jolts but very much in touch with what is happening all around. The Optum CVX cab designed specifically to help you drive safely on the road and work effectively in the field.

THE OPTUM CVX. OPTIMAL COMFORT.

COMFORT ZONE

- Quite cab only 69 db(A)
- 360° LED light option
- 5.87 m² glass area for best visibility
- Roomy cab with 2.6 m³
- Seat options for a most comfortable ride
- Adjustable cab suspension
- Front axle suspension with adaptive control logic

INTUITIVE OPERATION

You've got every situation under your command.

We know how busy you and your operators are, so we make sure you don't waste time getting used to a new control layout when you switch tractors: in every Case IH tractor, from a Maxxum to a Quadtrac, you will find the same control layout. The Optum CVX control centre is based on the Multicontroller and ICP control panel, which are both integrated into the driver's seat armrest. This means that they are ergonomically placed within easy reach so you literally have the key controls of the tractor at your fingertips at all times.

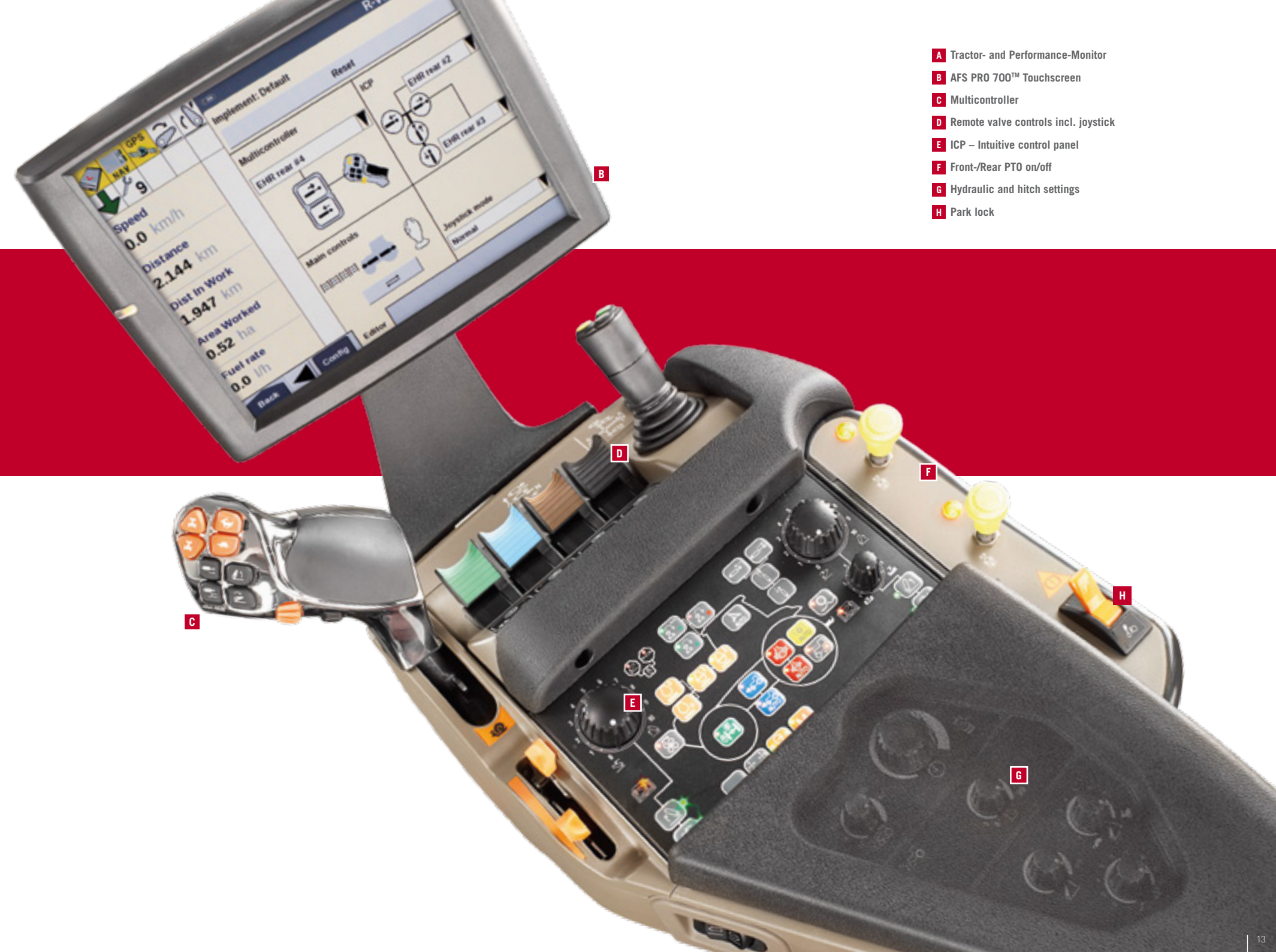
The Multicontroller lever is neatly configured and backlit so that it is very easy to get to grips with, even if you are using it for the first time. You have a grasp of every situation

because this lever puts all the functions you need in the palm of your hand.

Hydraulics, PTO, driveline and lights are operated using the Intuitive Control Panel conveniently situated just in front of the Multicontroller lever. Flowrate pots and timers are located under the flap inside the armrest.

The tractor performance monitor is located in the right-hand A-post and, combined with the AFS Pro 700™ touchscreen monitor, the Optum CVX control layout provides you with a clear overview and real control for safe and stress-free operation.

THE OPTUM CVX. OPTIMAL ERGONOMICS.



- A** Tractor- and Performance-Monitor
- B** AFS PRO 700™ Touchscreen
- C** Multicontroller
- D** Remote valve controls incl. joystick
- E** ICP – Intuitive control panel
- F** Front-/Rear PTO on/off
- G** Hydraulic and hitch settings
- H** Park lock

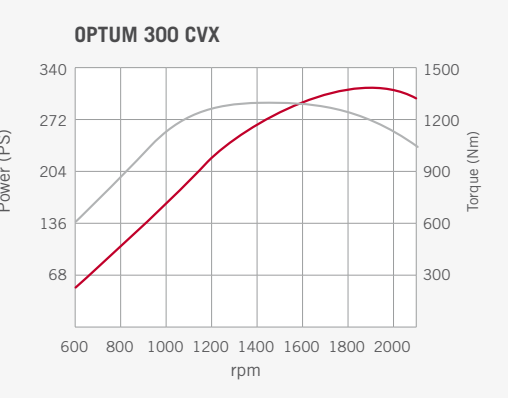


POWER TO THE GROUND

Efficiency hour after hour.

Hour after hour in the field, the Optum CVX performs extremely efficiently thanks to our proven FPT-engines and the CVX transmission. In addition the APM Automatic Productivity Management system coordinates engine revs and transmission ratio to ensure optimum efficiency and fuel savings.

THE OPTUM CVX. OPTIMAL EFFICIENCY.



PRODUCTIVE POWER

Designed to be efficient in the toughest conditions.



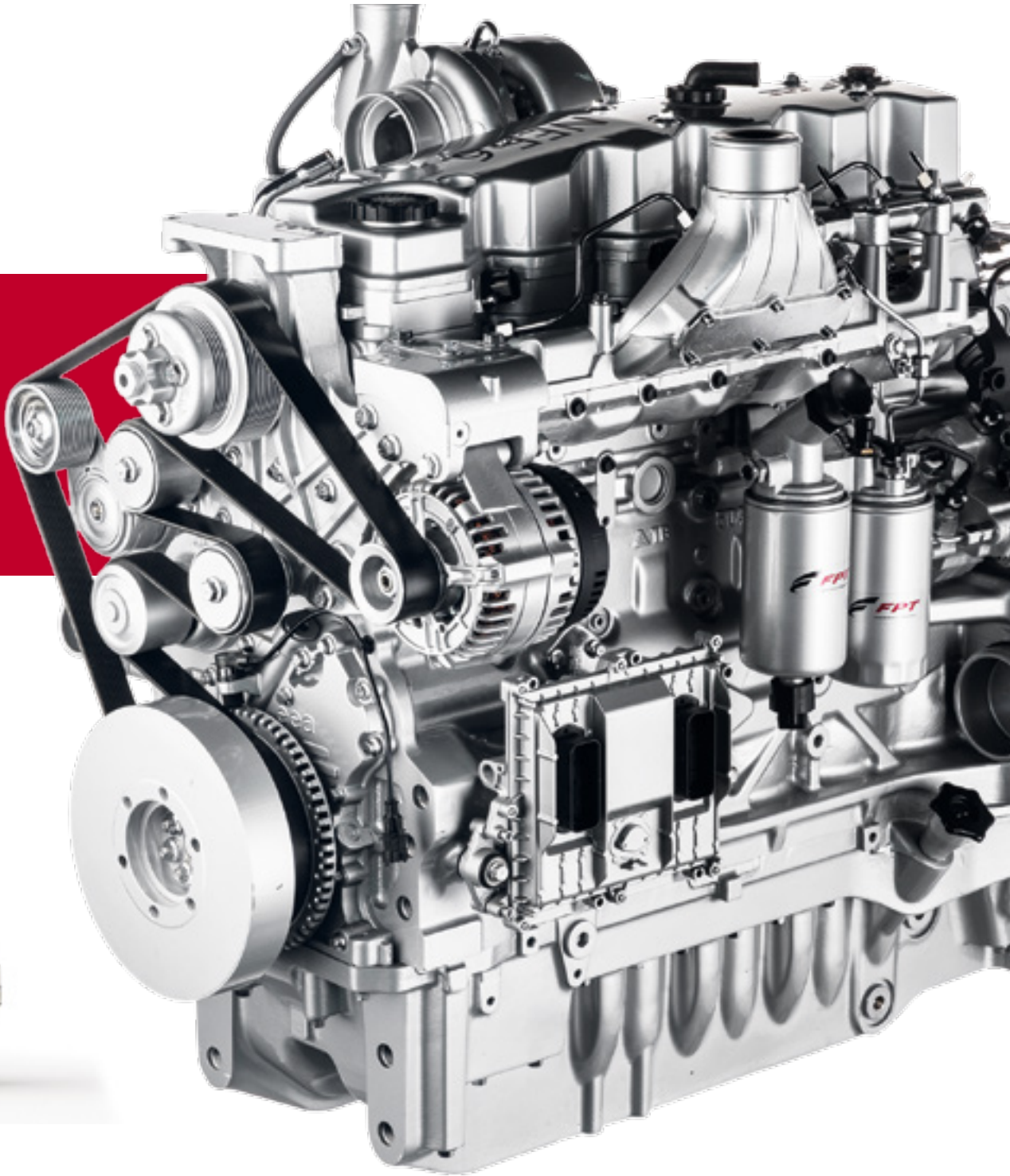
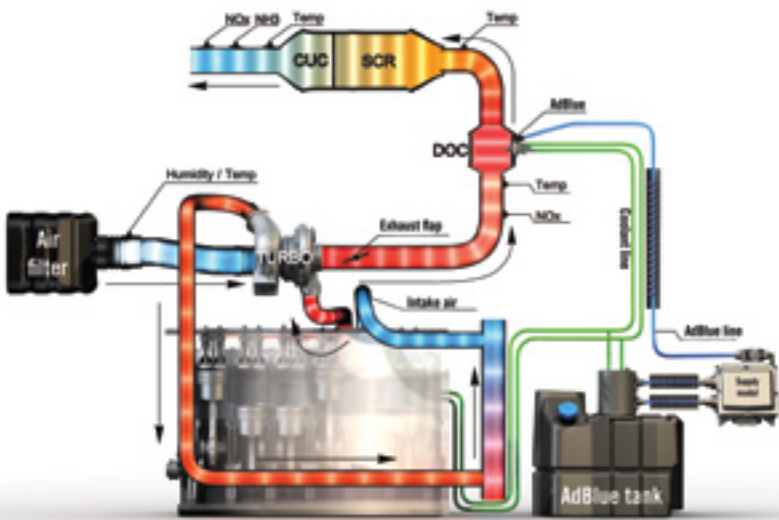
The Optum CVX is equipped with a new 6-cylinder FPT engine, designed in-house to deliver 271 to 300 rated horsepower smoothly and efficiently. Stage IV compliant, the proven HI-eSCR exhaust treatment system lets the engine breathe so it can continuously output top performance while reducing fuel consumption. What defines a Case IH tractor, is its ability to churn out high torque when the conditions get really tough. As the engine lugs down, the variable geometry turbocharger (eVGT) opens up at lower engine speeds to increase torque, while moving to an extremely efficient setting at higher engine revs. The cooling system in the Optum CVX works fully independent from engine speed with precise electronic control. To reduce service down-time a reversible fan or,

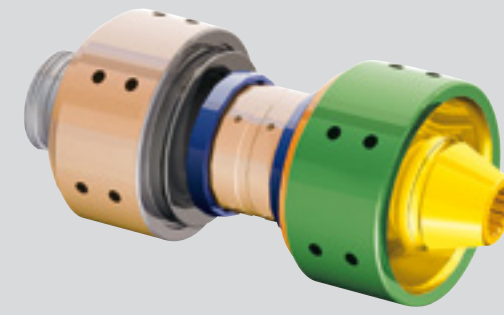
alternatively, a variable pitch fan is available. The cleaning function is storeable in the Headland Management Control II system and cleans the radiator fully automatically. An industry leading high performance exhaust brake option brings a 40% increase in braking power by including cooling fan and eVGT settings to bring braking efficiency to even higher levels and, at the same time, reduces rear axle brake wear. With its industry leading fuel tank capacity, the Optum CVX can spend all day in the field; something we are sure you and your drivers will be looking forward to, because the power delivered by the Case IH Optum CVX becomes addictive.

THE OPTUM CVX. OPTIMAL POWER.

ADVANTAGES

- FPT engine technology from 271 to 300 hp (rated) all Stage IV compliant
- HI-eSCR exhaust gas treatment without particle filter
- eVGT turbocharger for a faster engine response and increased torque
- APM Automatic Productivity Management and ECO Drive helps to cut fuel consumption
- 630 litres fuel tank capacity and 96 litres AdBlue tank
- Optional high power exhaust brake
- Industry leading 600 hour service interval





EFFICIENT CVX TRANSMISSION

Work your best, always.

CVX continuously variable transmission on Optum CVX – simply the best of working. With seamless range changes between zero and top speed, integrated creeper and just 1600 revs at 50 km/h, the CVX transmission also features Active Stop so you can stop and start on hills without using the clutch or brakes. First implemented on racing cars, it is the DKT (Doppel-Kupplungs-Technologie) Double Clutch Technology that grants the Optum CVX efficient performance. We have not only implemented these clever power transmission systems just because they are efficient, but also because they are easy to use and therefore enhance your operating safety.

THE OPTUM CVX. OPTIMAL EFFICIENCY.

ADVANTAGES

- Continuously variable transmission 0 to 50 km/h ECO with fully automatic range change under full draft load
- Efficient DKT™ Double Clutch Technology
- APM Automatic Productivity Management ensures optimum efficiency
- Automatic parking brake
- Active Stop holds the tractor with load stationary without applying the brakes
- Sensitive driving with foot pedal and kick-down function for fast response

PRODUCTIVE AND VERSATILE

Built to power any implement.

Versatility and productivity is at the heart of the principles behind Optum CVX. These are tractors capable of handling anything asked of them; compact enough for quick haulage jobs, powerful enough for heavy draft jobs.

In conjunction with the new front and rear axle design, a wheel base below 2,995 mm and 2.15 diameter tyres (e.g. 710/75R42) ensure excellent power to the ground and impressive traction.

THE OPTUM CVX. OPTIMAL VERSATILITY.





FOUR-SPEED REAR PTO – TWO-SPEED FRONT PTO

Powerful or economical – the choice is yours.

PTOs are fitted front and rear, with 4 speeds selected electronically as standard on the rear PTO and a 2-speed PTO available to integrate into the front hitch area. The PTOs are operated using the ICP control panel integrated into the driver's armrest.

For jobs with low power requirements, the Optum CVX features 540E/1,000E rpm rear and 1,000E front PTO speed. The Eco speeds are attained at below 1,600 engine rpm which cuts down fuel consumption and noise. Soft Start works by detecting a higher starting resistance when the PTO is engaged, and steadily increasing the torque

load. A hydraulic brake stops the movement of powered implements as soon as the PTO is switched off. The hydraulically activated and electronically controlled system allows smooth modulation and protects the components. Automatic PTO management disengages the PTO when the linkage is raised and re-engages it when it's lowered. The position at which the PTO is engaged and disengaged is adjustable and can also be programmed in the new Headland Management Control II.

THE OPTUM CVX. OPTIMAL POWER TRANSFER.

	PTO speed	Engine speed [rpm]
4-speed rear PTO	540 / 540 E / 1,000 / 1,000 E	1,930 / 1,598 / 1,912 / 1,583
2-speed front PTO	1,000 / 1,000 E	1,886 / 1,585

ADVANTAGES

- 4-speed PTO standard at the rear
- 2-speed PTO optional at the front
- PTO management
- Soft Start PTO takes care of your implements
- Front PTO for greater productivity
- PTO operation can be fully integrated in the Headland Management Control II



VERSATILE CONNECTIONS

Built to handle the heaviest implements.

ADVANTAGES

- Maximum rear lift capacity of 11,058 kg
- 5 electronic remote valves at the rear and 3 mid mounted are possible
- Up to 223 l/min pump flow for high demand implements
- Fully integrated front linkage with industry leading up to 5,821 kg lift capacity

Case IH has engineered the hydraulic system on the Optum CVX around a powerful pump that has a displacement rating of up to 223 l/min. This gives the front and rear hitch a lift capacity that can handle the heaviest implements effortlessly. This gives you an opportunity to work with larger implements to increase productivity. The hydraulic pump is designed to produce a high flowrate at low engine revs, so even the highest demand on the spool valves is not going to unsettle the Optum CVX, and at the same time will save fuel.

At the rear, up to 5 electronic remote valves are fitted with

simultaneous oil flow rates available on demand that can power the largest machines. These valves are fully configurable using the flowrate and timer controls in the driver's seat armrest. A power beyond unit is also available. The Optum CVX can be also supplied with mid-mount valves (either 1 or 3) for the front hitch. Both the rear and front remotes can be operated from the ground using external controls. Check out the technical specifications. You will be impressed.

THE OPTUM CVX. OPTIMAL FLEXIBILITY.

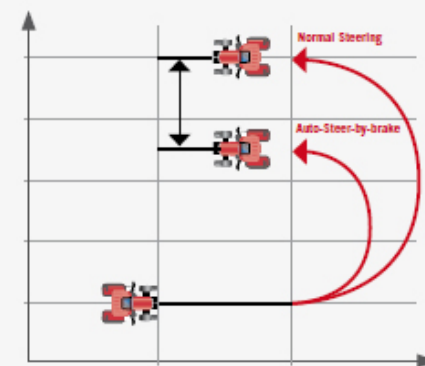
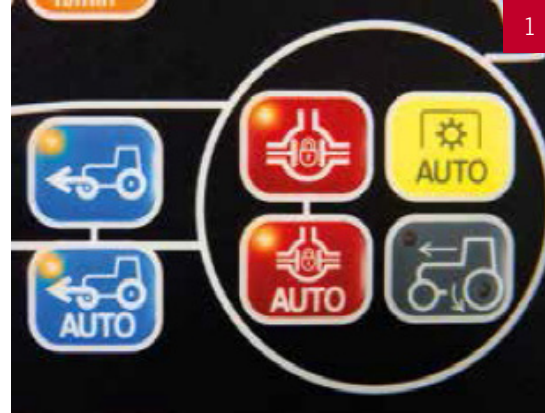


At a glance overview of flowrate and timer settings on the AFS Pro 700™ monitor.





- 1 4WD and differential lock management.
- 2 Steer-by-ABS and Auto-Steer-by-brake reduces the tractor turning radius.
- 3 Monitor tyre pressure of up to 16 tyres either on the tractor or on implements.



OPTIMAL TRACTION AND ENHANCED SAFETY

Maintain agility – working in the field and braking on the road.

You will discover that the Optum CVX develops impressive tractive power in the field and opens up a completely new range of higher payloads up to 5,500 kg. The front axle features suspension with two cylinders, a brand new reactive steering motor and dual wheel capability. Duals can also be fitted to both rear and front, reducing slip as well as compaction.

This tractor has an impressive turning circle and can be fitted with a wide range of trailer hitches, from the standard automatic trailer hitch up to the ball-type coupling for heavy haulage jobs.

The Optum CVX outputs very high power for its low weight and is capable of travelling at high speed with heavy loads on the road. As an option, we have equipped the Optum CVX

with ABS to provide the best possible braking power – the tractor brakes immediately without skidding, even when hauling heavy trailers, as soon as the driver presses the brake pedal.

A tyre pressure monitoring system is also available, which allows the operator to monitor up to 16 tyres either on the tractor or on trailers. The system is integrated within the AFS Pro 700™ monitor and allows the operator to set parameters which, if exceeded, will warn the operator on the display. With airline connection available at the rear of the machine the operator can then re-inflate the tyre to get back to the farm.

THE OPTUM CVX. OPTIMAL SAFETY.

ADVANTAGES

- 4WD and differential lock management
- Turning radius of just 7.7 m
- Front axle suspension increases stability and traction
- ABS Anti-Lock Braking System to stop quickly and confidently
- Auto-Steer-by-brake (ABS advanced)
- Tyre pressure monitor system to keep optimal traction
- Up to 2,000 kg front ballast or rear wheel ballast up to 1,182 kg
- Versatile tyre offering up to 2.15 m diameter



STAY ON THE RIGHT TRACK

Case IH Advanced Farming Systems (AFS™) for top efficiency.

What adds to the great feeling of owning and driving Case IH's latest tractor is knowing that the Optum CVX is an intelligent investment. This is underlined by value-adding features such as the latest Advanced Farming System (AFS™), full ISOBUS compatibility and the HMC II headland management system.

We have designed our AFS™ concept to optimise your operating costs and make driving long days in the field an enjoyable, stress-free experience.

ISOBUS compatibility goes without saying on this class of tractor and controls on the Optum CVX's touchscreen monitor are the best you will experience.

Likewise, we have enabled the headland management system (HMC II) to automate more and more of the tractor's operations.

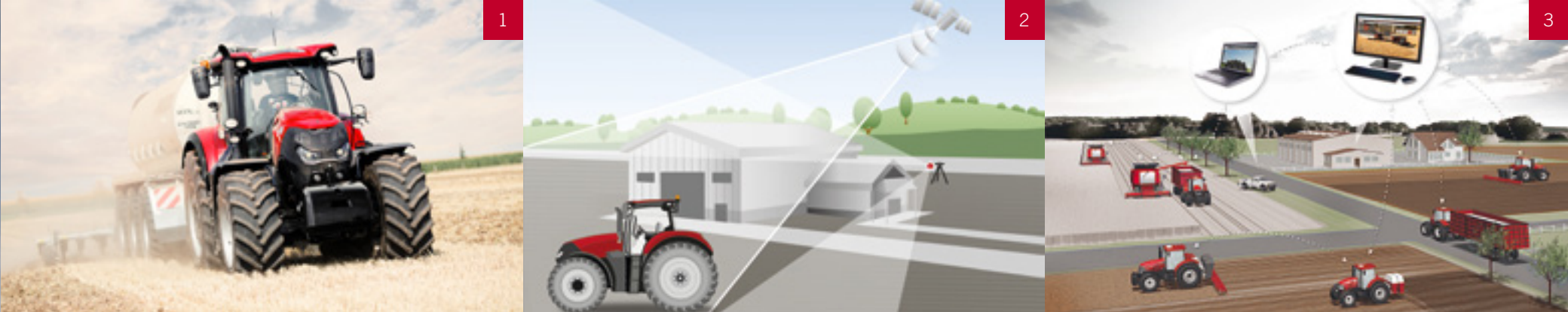
THE OPTUM CVX. OPTIMAL PROFITABILITY.



- 1 AFS AccuGuide: GPS and GLONASS based guidance
- 2 xFill bridges RTK+ signal gaps of up to 20 minutes
- 3 Monitor and manage your machines with AFS Connect™ Telematics

AFSSUPPORTCENTER

0 800 0281 910
afssupporteur@caseih.com



TRUE SENSE OF DIRECTION

Step up the way you work with Advanced Farming Systems.

Case IH Advanced Farming Systems (AFS™) have been at the forefront of precision farming for more than a decade. Case IH AFS tools include everything you need to achieve repeatable accuracy, reduce overlaps, cut input costs and maximise your profitability.

As standard, Optum CVX tractors are „AFS™ Accuguide-ready“ and fitted with an AFS Pro 700™ touchscreen monitor. This means that your dealer can pre-install a fully automatic, integrated GPS/GLONASS guidance system to give you industry-leading precision in the field. Add a local RTK+ signal station and it points you directly to 2.5 cm pass-on-pass accuracy. Don't worry about line-of-sight signal reception; our software features the xFill app that

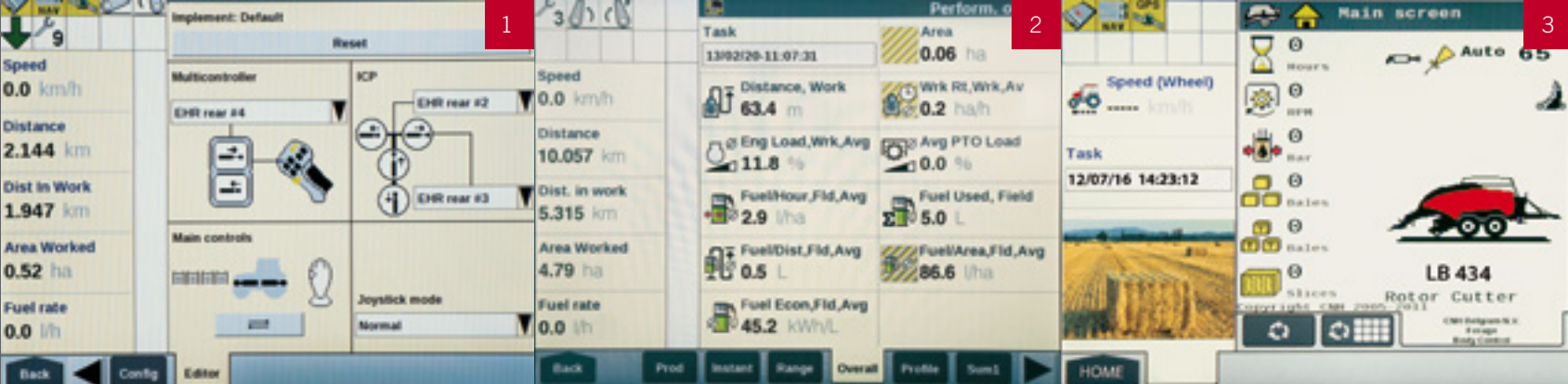
bridges the RTK+ system for up to 20 minutes so the AFS system keeps its sense of direction even in the shadow of buildings etc.

The optional Case IH AFS Connect™ telematics system allows farm owners and managers to monitor and manage their machinery from the farm office. They can track machines in real time on the farm computer to observe how the machines are performing through the use of precision guidance GPS signals and wireless data networks. Analysing the data it provides helps to improve logistics, minimise fuel consumption and maximise performance.

THE OPTUM CVX. OPTIMAL GUIDANCE.

ADVANTAGES

- GLONASS/GPS antenna
- Low cost RTX signal solution
- Optional high accuracy RTK+ signal with accuracy levels down to 2.5 cm available
- Integrated AccuGuide AutoGuidance
- xFill bridges RTK+ signal gaps of up to 20 minutes
- Accurately pinpoint all machines with AFS-Connect™



- 1 Individually configure the lever to the remote valve
- 2 Performance monitoring.
- 3 Monitor your equipment with video cameras

PRECISE CONTROL

Interactive, integrated and intuitive.

The AFS Pro 700™ is the Optum CVX's in-flight productivity tool. Integrated into the driver's seat armrest, this touchscreen monitor gives the driver complete control over all the tractor's automated function sequences while providing on-the-move feedback on running costs and yield.

It is easy to set up the tractor using the intuitive AFS Pro 700™ software to communicate directly with the relevant AFS auto-guidance system and synchronise systems with other ISOBUS-compatible machinery. You can also programme and adjust hydraulic flowrates and timers, memorise standardised headland sequences and connect rear-view video cameras.

Once everything is set up, two key features that drivers will be using in the field are the AFS guidance tools and the implement screens, which are displayed automatically on the monitor as soon as front and rear ISOBUS-compatible machines are connected. Now you have full control over the machinery, including time and distance based headland management features, using the touchscreen.

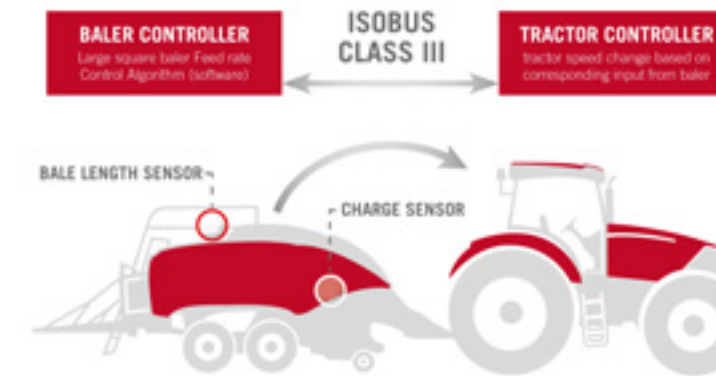
The monitor also provides feedback on productivity and fuel consumption, which you can transmit automatically to your farm PC or save to an external USB drive. The Optum CVX is your go-to productivity professional.

THE OPTUM CVX. OPTIMAL CONTROL.

ADVANTAGES

- Intuitive AFS Pro 700™ touch screen
- Improved productivity with up-to-the-minute information
- Split screen compatible for those who like to install a second AFS Pro 700™ monitor on the baler bar.
- Individually configure remote valves on the Multicontroller lever
- Keep an eye on areas which you can't see from the driver seat with optional video cameras
- Get instant messages from AFS Connect™





THE PRODUCTIVITY PROFESSIONALS

Headland Management Control II and integrated ISOBUS compatibility.

The Headland Management Control II is designed to assist the driver when turning at the headland. Each step can be programmed either by time or distance travelled. In addition, certain triggers for various other automated functions can be set, such as lowering the engine speed after lifting the implement. A headland sequence can be taken while driving or programmed on the stand. Playback of the headland sequence can be automatically or manually run, and can be accessed via the Multicontroller, the AFS Pro 700™ monitor or the ICP (Integrated Control Panel) on the armrest.

In contrast to ISOBUS I and II, where the AFS Pro 700™ monitor indicates settings of the implement and controls implements with ISOBUS II, with ISOBUS III it is possible for the implement to control the tractor. The Optum CVX will automatically adjust forward speed, hitch position and PTO speed, as well as operating remote valves depending on the implement. The result is optimum efficiency of the implement and tractor.

THE OPTUM CVX. OPTIMAL AUTOMATISATION.

ADVANTAGES

- Headland Management Control II automates workflows for less driver fatigue and higher productivity.
- ISOBUS II Watch and control implement settings with the AFS Pro 700™ monitor
- ISOBUS III for best efficiency; the attached implement controls, for example, tractor speed, hitch raise/lower and PTO speed.



KEEP FARMING

Servicing made simple.

We know that in this business time is critical and the less time you need to spend on servicing the better. Daily checks and routine maintenance on a Case IH Optum CVX are straightforward and convenient. Simply perform your standard checks and your Optum CVX is ready for action.

We have designed Optum CVX tractors for extended 600-hour service intervals to keep your maintenance costs down and keep you farming.

THE OPTUM CVX. OPTIMAL SERVICING.

ADVANTAGES

- Unrivalled 600-hour maintenance intervals for engine and 1,200 hours for transmission and hydraulics
- No particle filter service needed due to high efficiency eSCR exhaust gas treatment
- Easy access for fast daily checks
- Reversible fan cleans cooling packages automatically to reduce service downtime
- Airline connection (optional) at the rear for in-field cleaning
- Industry leading 630 litres fuel tank capacity and 96 litres AdBlue tank for a longer working day





The Case IH **SERVICETEAM**, a strong dealer network backed up by local Case IH market teams, industry leading Case IH supporting tools, modern training methods, best in class spare parts support and logistics performance providing Case IH customers with an excellent all-encompassing after-sales service, keeping customers farming!

TECHNICAL SUPPORT | SERVICE | PARTS | MAXSERVICE | SERVICEFINANCE

SERVICETEAM

We'll keep you farming.

GENUINEPARTS

WE KEEP YOUR EQUIPMENT RUNNING.
Your local Case IH dealer and our dedicated 24/7 parts call centre technicians and their logistic colleagues are all part of the Case IH ServiceTeam network. They're highly trained to give you expert advice and solve problems, ensuring the correct, genuine Case IH parts are located and dispatched right away, reaching you next day or sooner to keep your machine in top condition. This means your machine's downtime is kept to a minimum so we can keep you farming.

MAXSERVICE

AROUND THE CLOCK. AROUND THE COUNTRY.
When you're working around the clock, MaxService ensures you're never alone. It's a dedicated helpline that connects you to the Case IH ServiceTeam 24/7. Call technicians at your local dealer are ready to assist with technical advice, software solutions and genuine parts ordering. They can even diagnose problems remotely, using EST/DATAR, to get you going again, or alert a service technician to bring a part to the field. At peak season, we can keep you farming with breakdown assistance.

SAFEGUARD
GOLD

SAFEGUARD
SILVER

SAFEGUARD
BRONZE

SAFEGUARD GOLD, SILVER OR BRONZE, IS AN EXTENDED WARRANTY SERVICE PACKAGE.
Specifically tailored around you and your machinery, it can include maintenance contracts, servicing, telematics, insurance and Case IH finance packages. Most importantly, it provides peace of mind, mechanical coverage and makes the cost of ownership clear and easy to manage. All the back-up you need, so we can keep you farming.

CNH
INDUSTRIAL CAPITAL

AN 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 do 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 and respective machine usage in the form of loans, rent or leasing. Our most important goal is improving the profitability of your investments! Therefore you can combine every CNH Industrial Capital Financing with Capital accident and breakdown cover, as machine breakdown or repair insurance, in order to exclude risks to your investment and ensure greater planning reliability.



MADE IN AUSTRIA

Built with passion.

Every Case IH Optum CVX tractor carries the flag for Austrian engineering and manufacturing excellence. Home to the Case IH European headquarters, the St Valentin plant relies on the passion and expertise of our engineers and production workers, as well as state-of-the-art assembly lines to produce tractors ranging from 86 to 300 hp with the highest quality and precision. Ninety percent of tractors produced here are exported, carrying our culture of excellence around the world. The CNH Industrial tractor plant in St. Valentin, Austria, performs impressively in the annual World Class

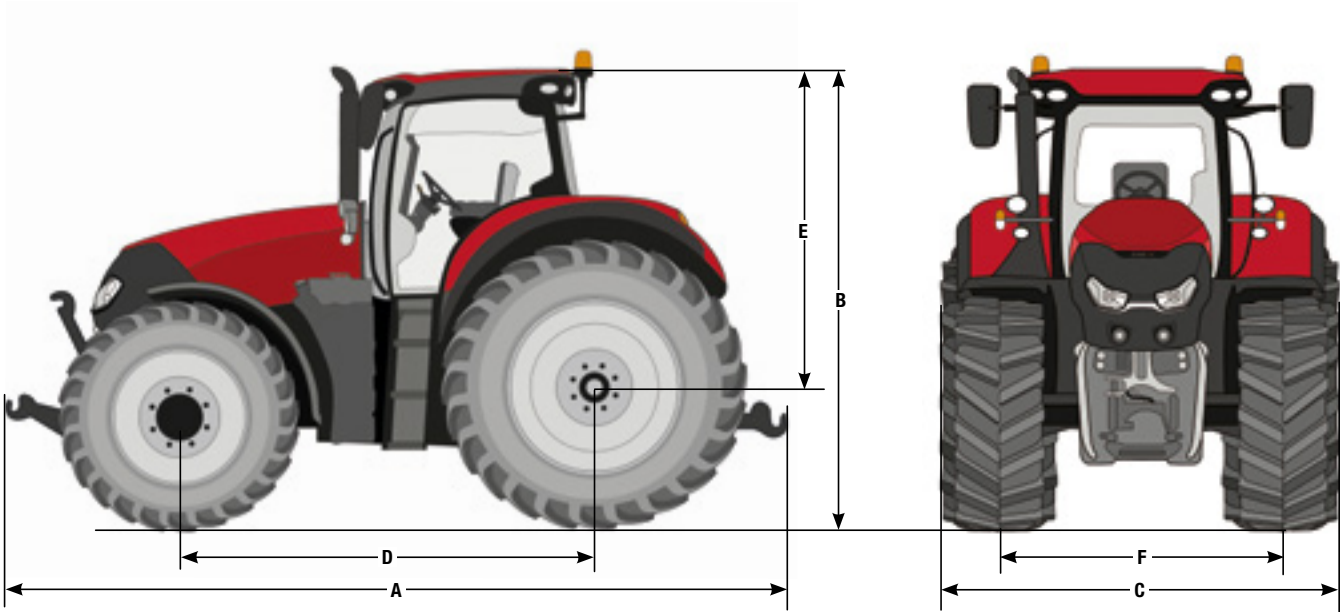
Manufacturing (WCM) audit, a success that is attributed to world-class production and highly-qualified employees. WCM stands for competence, quality and performance of enthusiastic staff.

Processes are optimised and testing as well as quality controls follow strict regulations that go far beyond recognised industry standards. Our clear focus is to deliver machines that are ideal for leading farming businesses and contractors.

MODELS	OPTUM 270 CVX	OPTUM 300 CVX
ENGINE	FPT	FPT
Number of cylinders	6	6
Type	Common Rail Diesel engine with 24 valves, eVGT single turbocharger and Hi-eSCR only exhaust after treatment	
Emission level	Stage IV	Stage IV
Capacity (cm³)	6,728	6,728
Maximum power ECE R120 ³⁾ (kW/hp(CV))	221 / 300	230 / 313
... at engine speed (rpm)	1,800 - 1,900	1,800 - 1,900
Rated power ECE R120 ³⁾ (kW/hp(CV))	199 / 271	221 / 300
... at engine speed (rpm)	2,100	2,100
Maximum torque (Nm @ 1,400 rpm)	1,194	1,282
Torque rise (%)	32	28
Fuel tank, diesel / urea (litres)	630 / 96	630 / 96
TRANSMISSION		
Continuously variable transmission 50km/h ECO or 40km/h ECO	●	●
Powershuttle	●	●
Rear axle diff-lock type	Multi disc wet plate with management system	
Service brake	Hydraulically operated multiple wet disc brake, self adjusting	
POWER TAKE OFF		
Type	Electro-hydraulic with Auto PTO control available	
Speeds	540 / 540E / 1,000 / 1,000E	
... at engine speeds (rpm)	1,930 / 1,598 / 1,912 / 1,583	
Shaft type Standard (Option)	1 3/8" 21 splines (1 3/8" 6 splines, 1 3/4" 20 splines)	
FRONT PTO AND FRONT HITCH	○	○
Speeds	1,000 / 1,000E	1,000 / 1,000E
... at engine speeds (rpm)	1,886 / 1,585	1,886 / 1,585
Max. lift capacity (kg)	5,821	5,821
OECD lift capacity through range @ 610 mm (kg)	4,487	4,487
FOUR-WHEEL DRIVE AND STEERING (DRIVELINE)		
Type	Electro-hydraulic with management system, differential lock as standard	
ABS Anti-lock braking system	○	○
Front axle suspension	●	●
Steering angle (°)	55	55
Min. turning radius ¹⁾ track setting 1,930mm (m)	7.7	7.7
HYDRAULIC SYSTEM		
System type	Variable displacement, pressure flow compensated pump	
Max. pump flow rate Standard / Optional (l/min)	165 / 223	165 / 223
System pressure (bar)	215	215
Control type	Electronic Hitch Control (EHC) with cushion ride control	
Max. lift capacity (kg)	11,058	11,058
OECD lift capacity through range @ 610 mm (kg)	10,305	10,305
Max. number of rear remote valves	5 electrical	
Max. number of mid mount valves with electronic joystick	3 electr.	3 electr.
Remote valve timer control	1 - 60 seconds on all models	
Category type	Cat III / IVN	Cat III / IVN
Slip control	●	●


MODELS	OPTUM 270 CVX	OPTUM 300 CVX
WEIGHT		
Approximate shipping weight (kg)	10,500	10,500
Permissible total weight (kg)	16,000	16,000
Max. permissible weight front single / dual wheels (kg)	7,500 / 6,500	7,500 / 6,500
Max. permissible weight rear (kg)	11,600	11,600
DIMENSIONS		
A: Max. length with front and rear lower links down (mm)	5,700	5,700
B: Total height (mm)	3,265	3,265
C: Minimum width across rear tyres (min./max.) (mm)	2,536 / 2,993	2,536 / 2,993
D: Wheel base (mm)	2,995	2,995
E: Height at centre of rear axle, highest point (susp.cab) (mm)	2,341	2,341
F: Track setting front (mm)	1,858 - 2,258	1,858 - 2,258
rear (mm)	Flange axle: 1,840 - 2,052 or Bar axle: 1,840 - 2,374	Flange axle: 1,840 - 2,052 or Bar axle: 1,840 - 2,374
STANDARD TYRES ²⁾		
Front	540 / 65 R28	540 / 65 R30
Rear	650 / 85 R38	650 / 65 R42
AVAILABLE GROUP 49 TYRE COMBINATIONS		
Front	650 / 60 R34, IF 620 / 75 R 30 (IF 650 / 60 R 34) ⁴⁾	650 / 60 R34, IF 620 / 75 R 30 (IF 650 / 60 R 34) ⁴⁾
Rear	710 / 75 R42, 900 / 60 R 42, IF 710 / 75 R 42, IF 900 / 60 R 42 ⁴⁾	710 / 75 R42, 900 / 60 R 42, IF 710 / 75 R 42, IF 900 / 60 R 42 ⁴⁾

● Standard Equipment ○ Optional Equipment ¹⁾ With standard tyres ²⁾ Other tyres on request ³⁾ ECE R120 correspond to ISO 14396 and 97 / 68 / EC ⁴⁾ IF = Improved Flexion ==> up to 20 more load capacity at identical air pressure



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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.



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