

QUADTRAC

WITH HI-eSCR TECHNOLOGY
540 / 580 / 620 HP



**MACHINE
OF THE YEAR 2014**



CASE IH
AGRICULTURE





PUT A MASTER OF PRODUCTIVITY IN YOUR FIELD

As a large-scale professional farmer you need equipment that delivers the highest levels of productivity and efficiency. At Case IH we have a long tradition of providing advanced technologies, high productivity equipment and innovative services to help you run your business successfully - a tradition that has put us in the lead of the high horsepower tractor segment. The Quadtrac tractors are monsters of productivity and deliver the highest pulling power for wide working widths. The new line-up reaches new heights of productivity with the Quadtrac 620. The most powerful tractor in the market with a power rating of 628hp(CV), it delivers a massive maximum power output of 692hp(CV). The Quadtrac series sets new standards of productivity, reliability and comfort, exceeding by far the expectations of the most demanding professional farmers. So it keeps the promise of our Efficient Power strategy. The new line up optimizes both the technical characteristics of the machine as well as the direct interface to the driver, ensuring efficiency in all fields.

SETTING NEW STANDARDS

The Quadtrac series tractors take Case IH's highly efficient Selective Catalytic Reduction (SCR) emissions technology to a new level in order to meet Stage IV standards, which mandate that nitrogen oxides (NO_x) be reduced by 80% compared to Stage IIIB levels. Developed by in-house engine specialist FPT Industrial, the new HI-eSCR technology goes even further, cutting emissions by 95%, while increasing performance, fuel consumption and reliability.

It relies on clean air in the engine to optimize combustion efficiency, minimising particulate matter (PM) production, so that no particulate filter is needed, while NO_x are broken down in the after-treatment system. Efficiency is further improved with the addition of a new electronic control unit to control the engine and after-treatment system, integrating all their functions. Massive performance, low operating costs: this is Case IH technology at its best.

BETTER THAN EVER

A host of new features and improvements will make your working day even easier. Step into the cab and you will notice the improved ergonomics and backlighting of the Multicontroller, just as you asked. A new seat with integrated cushion ventilation system and independent fore and aft lower cushion adjustment is now available as an option.

Daily checks will be even quicker with the new optional clear caps to check oil levels on all track rollers. You will also be able to detect early any damaged roller bearings by seeing the oil colour change, so that you will be able to prevent costly damage to the bearing cage. High quality tracks are available from Goodyear or Camoplast.

LARGE SCALE PRODUCTION

The most powerful tractors in the market, the Case IH Quadtrac tractors set new standards in comfort and operation, while the HI-eSCR emissions technology delivers massive power and fuel economy. They are the masters of productivity large-scale farmers want in their fields.



BIG ON COMFORT

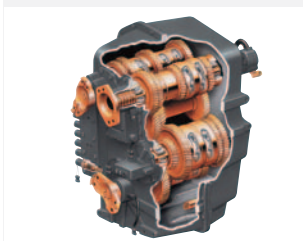
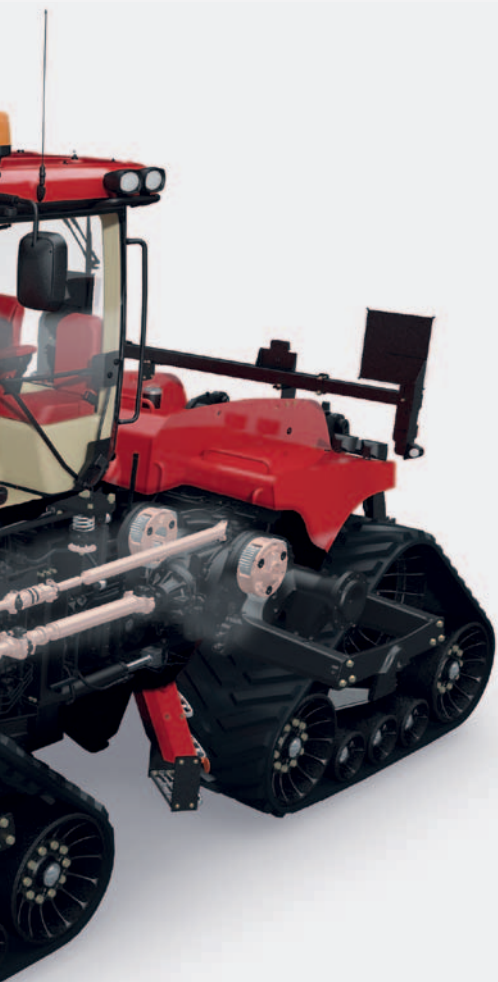
The Quadtrac has the biggest cab in the industry with the best 360° visibility available in the market. The cab and seat suspension systems provide a luxuriously smooth ride, and you can further increase your comfort with the new ventilated seat. This quiet cab with efficient electronic climate control system provides the best working environment you could wish for.



EVERYTHING UNDER CONTROL

The Multicontroller armrest puts all the controls at your fingertips; the larger backlit buttons make operation easy and comfortable. The Integrated Control Panel gives you all the information you need at a glance, while the AFS Pro 700 screen integrates the data from the tractor and the implements.





HI-ESCR ONLY - WITHOUT COMPROMISE

The high pressure common rail 12.9-litre engine, featuring a 2 stage turbo and new cooling system, delivers the highest horsepower in its class. The Quadtrac meet the Stage IV emission standards with HI-eSCR technology without using a particulate filter. A proven technology that delivers power and fuel economy with no compromise.

SMOOTH OPERATOR

The dependable transmission's smooth shifting makes light work of a long day in the field. The 16 x 2 full Powershift transmission achieves 37kph road speed. Automatic Productivity Management makes driving a Quadtrac extremely easy, as you can change your target speed very simply with the integrated scroll wheel – just like on a CVX tractor. Everything in these tractors is about maximising your comfort and productivity.

SIMPLY EFFICIENT

The parallel priority Pressure Flow Compensating (PFC) circuit delivers exactly the flow and pressure required by the application. There is no waste. The powerful hydraulics system, with up to 8 remote valves, offers different options that deliver a maximum flow ranging from 159lpm to 428lpm. The Centre Pull drawbar is connected to the main articulation joint to deliver more pulling power. The 1000 speed PTO at 2000rpm engine speed delivers full power where you need it.

NIMBLE IN YOUR FIELD


The independent four-track design delivers maximum traction with minimum soil compaction. This proven design eliminates slippage between drive wheel and track because the positive drive is continuous in all conditions. The four tracks work together, delivering more power to move the tractor forward. On the road, the advanced design of the tracks provides a smooth, quiet drive without vibrations.

DESIGNED FOR PRECISION FARMING

You can depend on the factory-installed AFS AccuGuide™ auto guidance system to help you achieve unprecedented levels of productivity in your fields. Installing it in the factory means that it is fitted correctly and extensively tested. You can choose from a full range of guidance solutions offering accuracy levels of up to 2.5cm. In addition, to maximize your efficiency, the Xfill option keeps you on track if the signal drops for a short time. The integrated AFS Pro 700 monitor gives you all the data you need, from fuel consumption to engine and PTO power, at a glance. It also enables you to control ISOBUS compatible implements and run your auto guidance on the tractor.

MODELS	QUADTRAC 540		QUADTRAC 580	QUADTRAC 620
ENGINE				
Type	Fiat Power Train Cursor 13			
Number of cylinder / turbocharger type	6 / 2 Stage			
Emission level	Stage IV			
Capacity (l)	12,9			
After treatment	Hi-eSCR - high efficiency SCR system			
Rated power ECE R120 ²⁾ [kW/hp(CV)]	399 / 543		433 / 589	462 / 628
Rated power ECE R120 ²⁾ Power Management [kW/hp(CV)]	440 / 598		463 / 630	492 / 669
Rated engine speed (rpm)	2100		2100	2100
Maximum power ECE R120 ²⁾ [kW/hp(CV)]	451 / 613		476 / 647	509 / 692
Maximum power ECE R120 ²⁾ Power Management [kW/hp(CV)]	451 / 613		476 / 647	509 / 692
... at engine speed (rpm)	1,900		1,900	1,900
Maximum torque (Nm @ 1400rpm)	2,540		2,757	2,941
Torque rise Standard and Power Management (%)	40		40	40
Fuel tank, diesel/urea (litres)	1,160 / 320		1,880 / 320	1,880 / 320
TRANSMISSION				
Type	16/2 Powershift PS4		16/2 Powershift PS6	16/2 Powershift PS6
Powershuttle	Std.		Std.	Std.
AXLES				
Axle drive and gear arrangement	Planetary & drop gear, 3 planet			
Axle diameter	Flanged			
Rear axle diff-lock type	Multi disc wet plate with management system			
POWER TAKE OFF				
Type	Live independent system integral with transmission			
Speed Option	1,000			
Engine speed (rpm)	2,000			
Shaft type	1 3/4" shaft - 20 spline			
HYDRAULIC SYSTEM				
System type	Variable displacement, pressure and flow compensating (PFC)			
Max. pump flow (l/min)	208		208	208
Optional pumps max.pump flow High Flow/Twin Flow (l/min)	428		428	428
System pressure (bar)	210		210	210
No. of remote valves	4 to 8		4 to 8	4 to 8
THREE POINT HITCH				
Max. lift capacity (kg)	8,949		8,949	8,949
Category type	Cat IV-N		Cat IV-N	Cat IV-N
DRAWBAR				
Diameter of drawbar pin-high capacity (mm)	51		51	51
Max. permissible vertical load (kg)	4,983		4,983	4,983
WEIGHT				
Minimum weight (kg)	24,012		24,268	24,268
Permissible total weight (kg)	25,401		25,401	25,401
DIMENSIONS ¹⁾				
Total length (mm)	7,615		7,615	7,615
Total height (mm)	3,866		3,866	3,866
Total width (mm) ²⁾	2,997		2,997	2,997
TRACKS				
Drive	4 independent crawler tracks			
Track width Standard / Option (cm)	76 / 91		76 / 91	76 / 91
STEERING				
Steering angle (°)	38		38	38
Min.turning radius ¹⁾ (m)	5.7		5.7	5.7
STANDARD TYRES				
Front and rear	-		-	-

¹⁾ with standard tyres ²⁾ with 76cm tracks on Quadtrac
– not available

 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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