

Case Expands Offering with Introduction of First European Grader Range at Intermat 2015

Paris, 20 April 2015

Case Construction Equipment introduces the brand new C Series grader at Intermat 2015. The new range – a true best-in-class grader – is the culmination of more than 30 years of development of the outstanding design introduced and improved by Frisch, Faun, then by O&K, and now by Case. The C Series range offers two models with operating weights of 13 and 16 tonnes. It is available in 6x4 and 6x6 All Wheel Drive versions that match customers' key requirements of low operating costs, controllability and flexibility.

More power and fuel efficiency, lower operating costs

The new Case graders feature the patented Hi-eSCR technology developed by FPT Industrial – the only solution on the market that meets Tier 4 Final standards with Selective Catalytic Reduction only. This after-treatment system presents multiple benefits in terms of performance, reliability and economy.

With Hi-eSCR, there is no exhaust gas recirculation (EGR), so that the engine runs on clean air only and combustion efficiency is optimized. This translates into higher engine power and torque density, while fuel consumption is significantly reduced. The absence of EGR also means that no Diesel Particulate Filter is needed to achieve the low levels of particulate matter required by Tier 4 Final standards, with consequent lower maintenance costs. A further advantage is that the cooling requirement is lower, so that Case graders mount smaller radiators with lower power absorption.

The C Series graders' design, with Hi-eSCR, has far lower complexity than other machines, so that it stands out for its reliability, durability and ease of maintenance. The after-treatment system is also smaller than other types of solutions, so that it takes less space on the machine leaving much better visibility to the rear as well as allowing for easier access for daily and extraordinary maintenance.

Superior controllability for the ultimate operating experience

The new Case graders provide operators with a comfortable ride, outstanding controllability and a good feel for the precision of the controls.

The Ergopower transmission with torque converter and automatic mode ensures smooth shifting and matches perfectly the speed and power to the application for perfect controllability and smooth operation.



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The 13-tonne model is available with 24" tires independently of the choice of transmission. These bigger tires reduce the bumping effect on uneven terrain and in applications such as forestry and road maintenance, adding to the operator's comfort.

The load sensing hydraulic system's pressure compensation allows simultaneous movement, which is key to the grader's controllability. The control levers are directly connected to the main valve and the lever stroke required to activate the functions is shorter: as a result, the operator enjoys a faster blade reaction that gives a better feel for the blade's action, and the controllability of the moldboard controllability is maintained for the whole duration of the grader's life.

Designed for reliability and performance

The encapsulated roller-mounted slewing ring, which further adds to the grader's controllability, does not require regular greasing and setting, while the layout of the hydraulic system's components provides excellent accessibility to the main components for servicing.

To guarantee reliability for the exuberant drawbar pull, the moldboard frame is designed with "A-shape" technology that enables to always compensate the traction effort, drastically reducing the twisting effect when the grader is working with the blade off-set.

The exclusive design of the multi radius blade dramatically cuts the demand for pushing power, increasing the material mixing capacity on fine grading jobs.

Powerful traction

The 'No-Spin' technology of the 100% differential lock ensures that the power is automatically transferred between the two sides of the tandem whenever there is a loss of traction, resulting in best-in-class drawbar pull in all soil conditions. The C Series' outstanding traction is also due to the positioning of the cab at the rear of the machine and on top of the tandem. This set up has the added benefit of greater comfort for the operator, who is always facing the working direction.

The two All Wheel Drive models feature a standard creep mode with fully integrated electronic control that gives the machine great controllability when carrying out precision work and in applications such as compaction that require high engine rpm at low speed. In creep mode the engine speed can be unconnected to linear speed so the required oil flow can be supplied independently.

Factory ready for blade control

The C Series graders can be ordered factory ready for all the most common blade control brands. This offers maximum flexibility to customers, as the open architecture allows for plug and play installation: customers just need to install their screen and preferred blade control system, and if they already own one, they can easily move it to the grader.

C Series Graders

Model	836C	836C AWD	856C	856C AWD
Maximum operating weight	12,500 kg	12,800 kg	16,250 kg	16,650 kg
Base Engine Power (1st – 3rd gear)	102 kW / 138 hp	102 kW / 138 hp	129 kW / 173 hp	129 kW / 173 hp
Dual Power (4th – 6th gear)	115 kW / 156 hp	115 kW / 156 hp	142 kW / 190 hp	142 kW / 190 hp
Emissions level	Tier4 Final / Stage IV	Tier4 Final / Stage IV	Tier4 Final / Stage IV	Tier4 Final / Stage IV

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Case Construction Equipment sells and supports a full line of construction equipment around the world, including the No. 1 loader/backhoes, excavators, motor graders, wheel loaders, vibratory compaction rollers, crawler dozers, skid steers, compact track loaders and rough-terrain forklifts. Through CASE dealers, customers have access to a true professional partner with world-class equipment and aftermarket support, industry-leading warranties and flexible financing. More information is available at www.Casece.com.

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