



New Hamm compactor with Smart Compact: Following the successful introduction of the HC 200i C VA and HC 250i C VA compactors, a version is now available in the 13 t segment in the shape of the HC 130i C VA.

IMAGE SOURCE: WIRTGEN GROUP

Automatic compaction to a target value – the new HC 130i C VA compactor

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- Hamm introduces the HC 130i C VA compactor, expanding its HC series with Smart Compact technology for automatic compaction.
- The HC 130i C VA features a variable amplitude (VA) drum for automatic compaction based on ground conditions and machine capacity.
- The compactor meets EU Stage V and EPA Tier 4f emission standards, ensuring compliance with stringent environmental regulations.

- Operators can choose between automatic and manual modes, with the automatic mode regulating amplitude via the machine control system.
- The Smart Compaction Value (SCV) system ensures precise and continuous measurement of compaction forces, enhancing efficiency and reducing over-compaction.
- The new VA compactors offer benefits such as reduced diesel consumption, fewer double passes, and lower CO₂ emissions, making them cost-effective and environmentally friendly.

Expanding the portfolio with Smart Compact for earthworks

Roller manufacturer **Hamm** is expanding its HC series with the 13 t HC 130i C VA compactor which, in conjunction with Smart Compact, enables automatic compaction to a target value. The new model joins the 20 and 25 t HC 200i C VA and HC 250i C VA models that have already been unveiled, and sets new standards for compaction in earthworks.

The HC 130i C VA compactor is equipped with the new variable amplitude (VA) drum which enables automatic compaction depending on the ground conditions and machine capacity. This technology not only ensures homogeneous compaction but also increases cost-effectiveness by reducing the number of double passes and lowering diesel consumption. The machine meets exhaust emission standard EU Stage V and EPA Tier 4f.

Automatic compaction, precise measurement

In day-to-day work, drivers can choose between an automatic and a manual mode. In automatic mode, the amplitude is regulated by the machine control system. In manual mode, five fixed amplitudes are available. Before compaction, the target compaction value in MN/m² can be specified, based on typical load-bearing capacity values. The basis for the automatic regulation of the compaction forces is the Smart Compaction Value (SCV), which is also now determined by Hamm and is continuously and precisely recorded independently of influencing factors such as driving speed, frequency or direction of travel.



With automated compaction via Smart Compact and a centrifugal force of 320 kN, the new compactors with VA drum achieve exceptionally efficient compaction. The basis for the automated regulation of the amplitude is Hamm's newly developed and parameter-independent Smart Compaction Value (SCV).

IMAGE SOURCE: WIRTGEN GROUP

Benefits for operators and construction companies

The new VA compactors offer numerous advantages for operators and construction companies alike. Automatic adjustment of the amplitudes not only ensures homogeneous compaction but also effectively prevents over-compaction and particle crushing at the same time. These features make the new VA compactors an attractive choice, even for less experienced operators. In addition, the cost-effectiveness of construction projects is improved by the reduced number of double passes, which leads to lower diesel consumption and less mechanical stress on the machines. Making fewer double passes also means a reduction in CO₂ emissions. In addition, the machine control system reliably prevents jump operation,

contributing to a longer service life of the machines. The direct adjustment of the amplitude makes the VA technology an energy-efficient system overall.

Source: WIRTGEN GROUP

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