

# New SC-120 HD, a duty cycle crawler crane

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At the Bauma 2016, Soilmec presents the new **SC-120 HD**, a duty cycle crawler crane equipped with the hydraulic rotary **SA-40** for bored piles construction.

The SC-120 HD is the successor of the proven SC-120, and compared with this last, it improves the overall performances, thanks to a new power pack, the use of closed circuit pumps and the advance generation of DMS control system, which monitors the state of the machine and offers a dedicated software package for each technology.

The SC-120 HD is equipped with a CAT C18 (630 HP at 1800 rpm), available in two motorizations, compliant with US EPA Tier4f and Tier3.

The SC-120 HD frame shows a robust design necessary for HD operations, and, at the same time, can be easily transported, with a transport weight under 48 t and a transport width at 3.5 m. A dedicated Power Module Control System ensures that diesel engine and hydraulic pumps work at their most efficient and productive levels.

As all SC series, the SC-120 HD installs the Soilmec **H-Cab**, the most innovative cabin in the duty cycle crane market in terms of comfort and ergonomics for the operator.

Finally, a special attention has been dedicated to safety and comfort for operator and maintenance staff.

The SA-40 is the biggest hydraulic rotary rig produced by Soilmec, providing 413 kNm nominal torque and 250 kN crowd force capacity, powered by the hydraulics of the base machine, to perform piles up to 4 m with a depth bigger than 100 m.

The benefits of the SC-120 HD with the SA-40 have been already confirmed in the job site, where one SC-120 HD is drilling piles of 3 m diameter at 80 m depth.

The SC-120 HD can be used for other several deep foundation applications, working with diaphragm wall grab, casing oscillator, dynamic soil compaction, clamshell, dragline.

Source: SOILMEC Spa

CRAWLER CRANES