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MAX STREICHER GmbH & Co. KG aA presents new fully electric driven mud pump for workover operations

As powerful as ever. Particularly environmentally friendly.

MAX STREICHER GmbH & Co. KG aA has expanded the product portfolio of its ecotec label:

New to the range is the fully electric driven mud pump HPP600-E. Not only does it offer advantages in terms of sustainability, but it also operates in a significantly more energy-efficient and cost-effective manner compared to conventional mud pumps.

With its ecotec label, MAX STREICHER GmbH & Co. KG aA initiated sustainable development for the changing industrial landscape in 2020. The idea: in the spirit of decarbonisation, STREICHER uses innovative technologies and optimises the entire energy cycle to offer machines that meet the ever-increasing requirements in the areas of environmental protection and resource conservation as well as digitalisation and energy efficiency. The portfolio already includes horizontal drilling rigs, welding and suction crawlers and the fully electric driven HPP400-E mud pump.

STREICHER is now expanding its range with another product: the HPP600-E. While the HPP400-E was developed for classic horizontal drilling methods and pressures up to 80 bar, the HPP600-E is primarily suitable for vertical drilling methods and holistic, sustainable maintenance and repair work on existing deep wells, known as workover operations. This requires higher pressures of up to 345 bar, but lower volume flow rates. This has been achieved with a similar technical design and a larger drive motor.

The fully electric HPP600-E is future-oriented in several respects. The fully electric drive delivers an impressive 450 kW – and does so with maximum efficiency thanks to the latest technology and comprehensive digitalisation. Innovative control systems and intelligent energy management solutions ensure particularly economical operation and maximum power

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output. In conventional mud pumps with diesel engines and manual transmissions, the drive runs continuously – even during rod changes, for example. This has several disadvantages.

First, fuel continues to be consumed even though there is no demand for pumping. Second, the engine is run at idle speed, which is not conducive to modern diesel engines with turbocharging and exhaust after treatment. Third, this leads to a rapid increase in operating hours. All three of these points inevitably lead to increased operating and maintenance costs.

With the electric HPP600-E, the engine only runs in active pumping mode. In addition, the speed can be adjusted continuously by the operator as required. This saves costs on several levels: from energy consumption to maintenance. And it is better for the environment. This is because – and these are further major advantages of the new mud pump – its greatly increased efficiency improves sustainability by reducing CO₂ and noise emissions. Users also benefit from improved pressure protection and monitoring, as well as electric preheating, among other things. The mud pump features intuitive controls that can be operated via remote control or integrated into a system control via a corresponding interface.

The HPP600-E offers comprehensive advantages, particularly in areas with strict environmental regulations. Thanks to its electric drive technology, the mud pump is very quiet, which not only makes it highly acceptable in residential and nature conservation areas, but also offers advantages in terms of occupational safety and thus for employees.

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Fully electric driven mud pump HPP600-E