

# Q10™ XLE Pumping Unit

## LOW-NOISE, LOW-EMISSIONS, HIGH-PRESSURE PUMPING

### OVERVIEW

Many of today's fracturing treatments are performed at high pressures and rates for long periods of time. Pumping equipment must be designed to perform under these challenging conditions. Additionally, some oil and gas fields under development today operate in close proximity to urban areas, requiring lower-noise operations. Halliburton has built upon the robust Q10™ fluid end design and incorporated noise mitigation technology to reduce sound emissions during stimulation operations. The Q10 pump with XHD technology is designed and proven to provide long-term performance with limited nonproductive time. Coupling this performance with noise mitigation technology results in a high-rate, high-pressure fracturing pump, the Q10 XLE pump, that performs under the most challenging conditions.



*Coupling the advanced Q10™ pump with noise mitigation technology, Halliburton has developed an unconventional pump for sound-sensitive areas.*



For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

### Q10™ XLE PUMP PERFORMANCE

Building upon the framework of the most versatile pump ever produced by Halliburton, the new Q10 XLE pump has been redesigned to provide significantly reduced noise emissions on location. Specifications include the following:

- » Significantly reduced noise emissions improve health, safety, and environmental (HSE) conditions on location.
- » Reducing the noise signature of hydraulic horsepower at the wellsite lessens the environmental impact to areas outside the wellsite.
- » Mono-block fluid end handles the demanding duty cycle required for shale fracturing. Testing and modeling have indicated that, under identical conditions, the Q10 XLE pump provides over 20 times the fluid end life of legacy pumps.
- » The in-line, five-cylinder (quintuplex) design provides maximum durability.
- » The Q10 XLE pump is engineered to minimize vibration during pumping for improved service life of the entire unit.

### PERFORMANCE SPECIFICATIONS

- » Maximum pressure: 20,000 psi
- » Minimum rate: 2.7 bpm
- » Maximum rate: 18.9 bpm
- » Current hydraulic horsepower: 2,000 hhp

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