

# Ajax\* ULE Conversion Kit

*GE's ULE conversion kit gives your Ajax 2800 LE gas engine-compressor the same exceptional performance capabilities, while achieving emissions compliance without sacrificing horsepower and productivity.*

## Environmental Compliance Solution

Consistent with a long-standing tradition of technological innovation and market excellence, our engineers have developed an enhanced Ajax low emission solution to meet and exceed all globally-imposed emissions regulations. The new Ajax 2800 Series ULE conversion kit utilizes the same great benefits of the LE configuration, with optimized horsepower and throughput while achieving desired emissions targets.

The new Ajax 2800 ULE conversion kit incorporates distinct parts and configurations, enhancing the overall emissions performance of existing LE units at full horsepower. All of this is achieved without sacrificing the integrity or reliability of the existing LE unit customers appreciate.

New ULE kit features:

- Enhanced intake system
- Upgraded heads, pistons and a pre-chamber design
- High-pressure fuel injection for enhanced air/fuel mixing
- Tuned exhaust system as part of the air flow operation
- Improved governor response and control panel

Detailed retrofit instructions have been developed, enabling our experienced GE field service personnel or on-site technicians the ability to convert existing equipment.

## Emissions and Throughput

Conversion of existing LE units to the new ULE configuration via GE's new retrofit kit affords the customer the ability to reduce NO<sub>x</sub> emissions to a level as low as 0.5 grams. Once fitted with the conversion kit, the customer will experience enhanced fuel and combustion efficiency coupled with enhanced air flow by way of the expansion chambers included. Moreover, the customer is provided the ability to maximize horsepower while reducing emissions, all at an ambient temperature rating of 100°F.

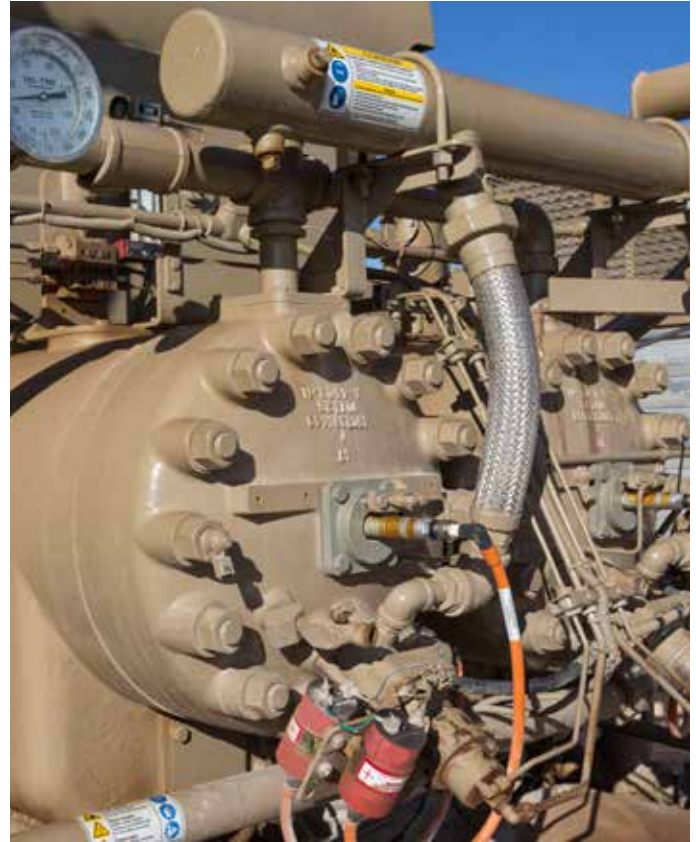
Upgraded LE units can operate at full load and speed while reducing NO<sub>x</sub> emissions to desired levels. An LE model retrofitted by the conversion kit up to ULE standards increases gas throughput by approximately 10 percent at 1 gram NO<sub>x</sub> per brake horse power hour (bhp-hr). At 0.5 bhp-hr NO<sub>x</sub>, gas throughput for the improved ULE engine-compressor increases by approximately 20 percent.

## Fuel System Characteristics

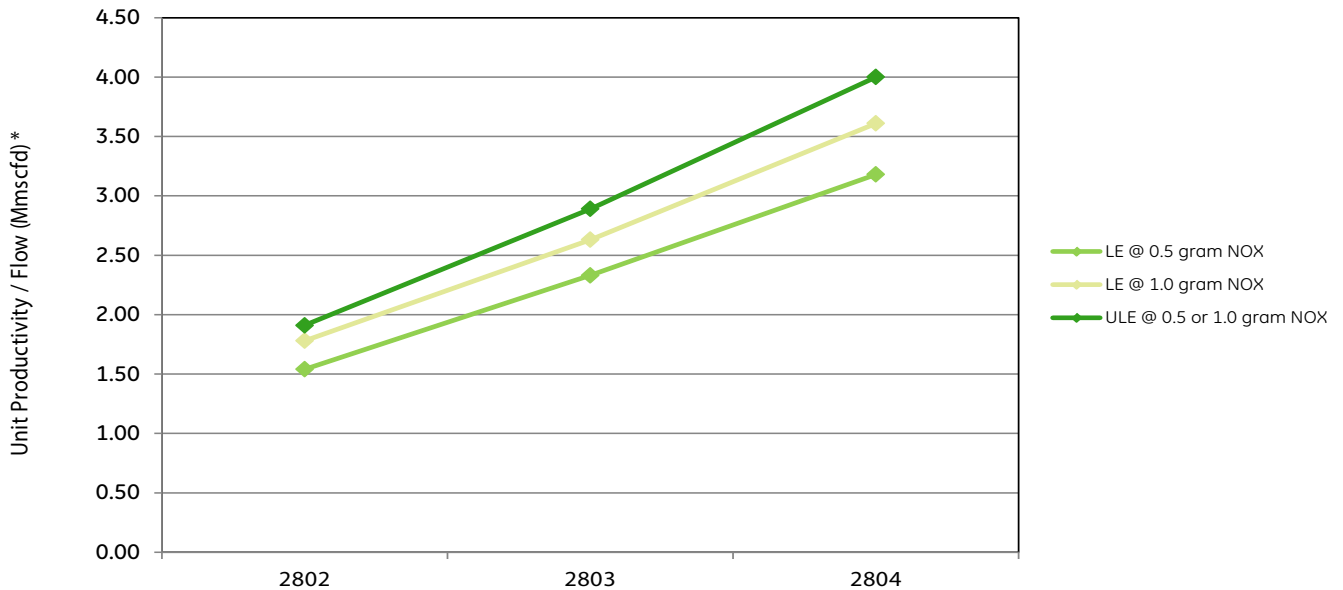
The enhanced fuel system reduces fuel consumption from approximately 7,800 to 7,500 BTU/bhp-hr, lowering operating costs. Fuel system stability and efficiency are further improved due to the higher operating pressures afforded by the conversion kit. This provides more unit flexibility and enhanced tolerance to hotter fuels (up to 14 NBN) while maintaining ULE unit stability.



Upgrade your Ajax 2800 LE gas engine-compressor with the latest technology from GE to reduce emissions and gain exceptional performance capabilities.



AJAX 2800LE vs. 2800 ULE: Emission-Based Unit Productivity



\* Performance based upon gas values of .65 specific gravity, 1.26 ratio of specific heats, 100 degree F ambient temperature, less than 1,500 above sea level, with 40 psig suction pressure and 1,100 psig discharge pressure. Emission values shown at 100°F ambient, utilizing pipeline quality fuel gas.

GE Oil & Gas  
16250 Port Northwest Drive  
Houston, TX 77041

+1 713 354 1900  
24/7 customer support: +1 866 754 3562  
geoilandgas.com/ajax

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