

HCR (HIGH COMPRESSION RATIO) POWER PISTONS

AJAX™ DPC-2200 & DPC-2800 SERIES TWO-CYCLE INTEGRAL ENGINE-COMPRESSORS

Overview

The HCR pistons provide enhanced air flow at higher elevations where air density is lower.

More air flow equates to better engine performance, lower emissions and improved fuel consumption at higher elevation applications.

The compression ratio on the naturally aspirated Ajax is normally 8.0:1 at 1,500 feet above sea level (FASL). As the elevation increases, the air density decreases, which results in a decrease in compression pressure. The high-elevation piston compression ratio maintains that compression pressure range at the higher elevations.

High-elevation pistons are standard equipment from factory when the site elevation is known to be above 5,000 feet above sea level.

HCR pistons can be installed at any time in the field when units are relocated to higher elevations.

The HCR pistons are 100% retrofittable on standard power piston units using the same power piston rings. Utilization of the HCR pistons results in:

- › Compression ratio of 9.25:1 at 5,000-6,500 FASL
- › Compression ratios of 9.45:1 at 6,500 FASL

Benefits

- › Improves combustion stability at higher elevations
- › Greater rich fuel tolerance
- › Sustains emissions compliance
- › Can typically be installed in the field in less than one day



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