

AJAX™ Integrals, Your Best Choice for a Gas Compression Package

The AJAX™ Integral Track Record for Reliability

Featuring a slow speed, conservative BMEP, two stroke engine design, AJAX™ integral gas compression packages have an exceptional track record for reliability, ease of maintenance, and low cost of ownership. Our first AJAX™ engine-compressor units rolled off the assembly line in the 1950's, and many of the original units are still in service today. With an average life span of 40 years, AJAX™ integrals are backed by the worldwide engineering and manufacturing strength of Baker Hughes, a GE company.

Advantages of Owning an AJAX™ Integral Package

- Higher availability (98% is typical for an AJAX™ integral)
- Mechanical efficiency of 95% vs. 90% for separable packages
- Reduced maintenance and parts stocking requirements
- Higher fuel efficiency, more gas compressed per BHP than high-speed separables
- Single-source responsibility as Baker Hughes produces the engine and compressor
- High tolerance to a wide variety of fuels

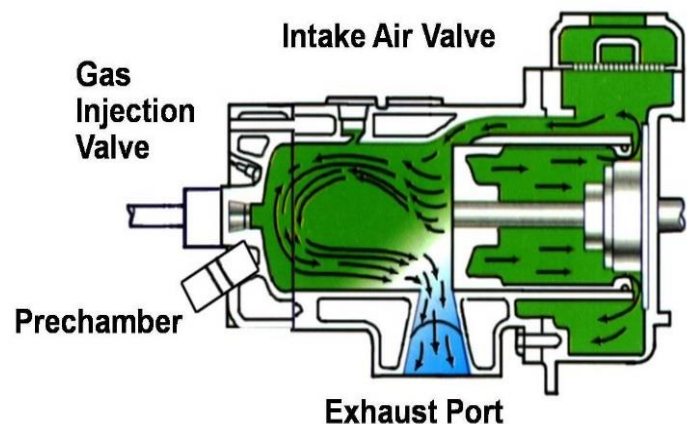
Two Stroke, Integral Simplicity

Designed for simplicity, the two-stroke engine design of an AJAX™ integral features one frame and one crankshaft. Less parts coupled with a slower speed means less wear on the equipment compared to a high-speed separable counterpart where the compressor must be matched to the driver. The two-stroke, piston scavenged design of the AJAX™ engine also eliminates several components of a high-speed separable package, including:

- Turbocharger and aftercooler
- Intake and exhaust valves
- Rocker arms and pushrods
- Valve seats
- Camshaft and cam bearings for the intake and exhaust valves
- Timing chain/gears

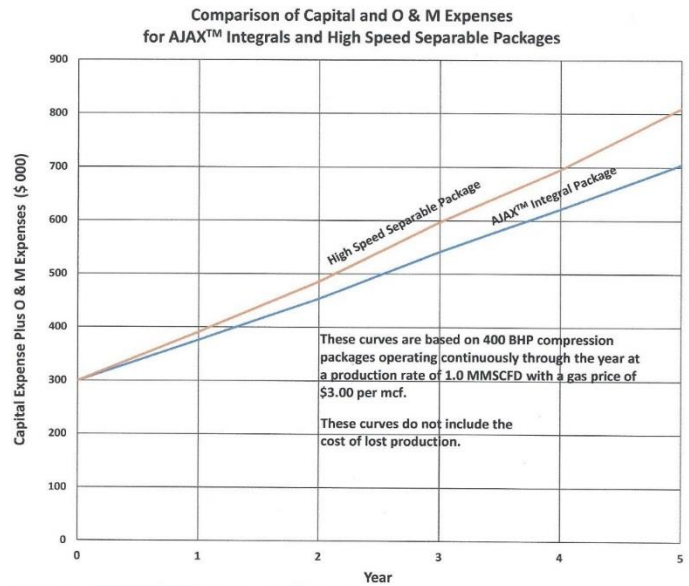
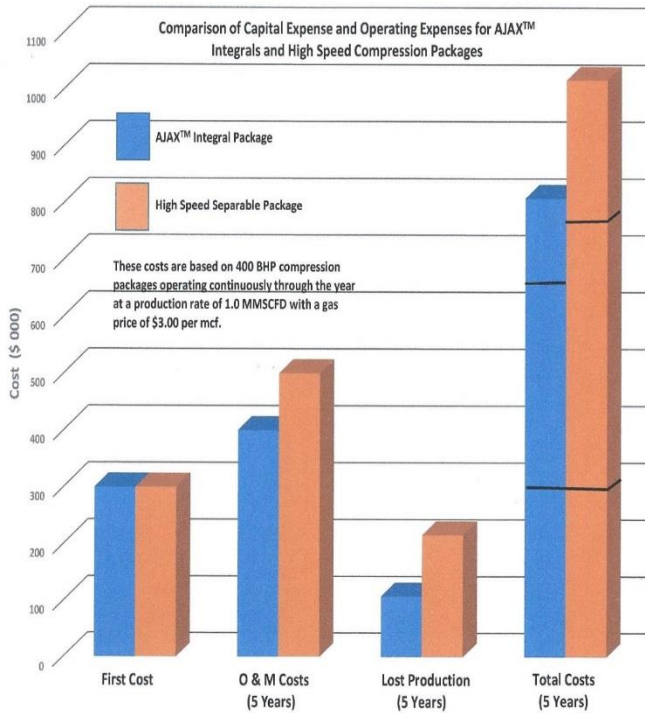
Gas Compression Efficiency

AJAX™ engine-compressor packages achieve a much lower BHP/MMSCFD than high speed separable packages. The one frame, one crankshaft design results in a substantial reduction of friction losses for better mechanical efficiency. Additionally, AJAX™ compressors feature generous valve areas resulting in high volumetric efficiencies.



Long-Term Investment with Enduring Value

AJAX™ integrals maintain a 98% or better online availability and an average service life of 40 years. Higher online availability and lower operating and maintenance expenses reduce the cost of ownership. A comparison of two 400 BHP compression packages over five years reveals the benefits of owning an AJAX™ engine-compressor package.



These curves show the savings in O&M expenses during a period of five years.

Exhaust Emissions Control Technology

The AJAX™ DPC-2800XLE engine series features large NOx reductions through improved air flow to the power cylinder and a modified gas injection valve and prechamber. Performance of the AJAX™ 2800XLE engine achieves NOx ratings often better than industry competitor averages.¹ For sites requiring even lower levels of CO and VOC's, Baker Hughes offers oxidizing converters which remove 90% of the CO and up to 75% of the VOC's.

Engine	Rated BHP *	Rated Speed (RPM)	NOx @ Rating (gm/BHP-hr) *
AJAX™ 2802XLE	400	450	1.0
Alternative	425	1800	2.0
AJAX™ 2803XLE	600	450	1.0
Alternative	637	1800	2.0
Alternative	690	1400	1.0
AJAX™ 2804XLE	800	450	1.0
Alternative	1035	1400	1.0

* For site elevations ≤ 1500 FASL & ambient temperatures ≤ 100 °F

¹ Using publicly available online data, current as of November 2017