



Engineering Services

Compressor Performance Assessment

Changes to your compressor's operating conditions can have a significant impact on safety, capacity, and operational efficiency.

Has the pressure dropped or increased?

Has the gas composition changed?

Is your compressor still safe to operate?

Are you using the full potential of your compressor system?



Our team of specialists can help you with all of these questions and more.

What is the Compressor Performance Assessment?

It is a compressor simulation and analysis that determines your compressor's basic performance data: A standard performance run can predict ideal throughput and crank mechanism loads for single or double-acting cylinders for your whole compressor.

What do you get?

An in-depth report with detailed results that include BHP (brake horsepower) capacity, interstage pressures, discharge temperatures, rod loads, and rod load reversals

What do we need from you?

To perform this analysis, we'll need the following information about your compressor:

- Driver speed
- Compressor geometry
- Operating conditions (temperatures and pressures)
- Gas composition
- Max. allowed combined rod load (compression and tension)
- Reciprocating weights for pistons, piston rods, crossheads, and con rods
- Temperature alarm and trip values
- Rated power of frame and driver
- Current capacity control setup
- Cylinder arrangement
- Safety valve pressures