



Online Performance Prediction Tool for Elliott Compressors



Calculate Performance to Predict Future Trends

Elliott compressors routinely deliver state-of-the-art performance in critical-duty applications around the world. Like any machine, however, they are subject to variations or changes in process parameters that can affect performance. Elliott's Compressor Online Performance Prediction Tool (OPPT) equips operators to:

- ♦ Monitor compressor performance over time
- ♦ Evaluate, track, and compare performance parameters
- ♦ Analyze compressor behavior for a new or changing gas stream
- ♦ Pinpoint potential performance issues
- ♦ Run different compressor operating scenarios

Generate Compressor-Specific Data

Elliott's OPPT is a web-based software tool designed to help customers make important operating decisions. Factory configured for a specific Elliott compressor or compressor train, the tool is custom programmed with "as sold" compressor aerodynamic performance specifications. The operator enters a specific set of performance data, and the OPPT calculates the compressor's output parameters including:

- ♦ Power
- ♦ Head
- ♦ Efficiency
- ♦ Discharge pressure
- ♦ Discharge temperature



Evaluate Alternative Operating Scenarios

Operators can also use the OPPT software to explore alternative compressor operating scenarios including:

- ♦ Increased capacity
- ♦ Process optimization
- ♦ Gas composition or feedstock changes
- ♦ Declining fields
- ♦ Seasonal variations
- ♦ Off-design production

Predict Trends and Assess Future Performance

Elliott's OPPT software enables operators to collect and analyze their compressor performance details to improve efficiency, make data-driven decisions, and assess future performance. The OPPT is available for new and existing Elliott compressors by annual subscription. The subscription includes software configuration and customer support on execution and use of the software.

For more information on Elliott's OPPT software, contact your Elliott sales representative or complete our online form and an Elliott sales representative will be in touch soon.



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