

EICS-CG137



EICS-CG137 OFFERS COMPLETE TURNKEY PACKAGE

FW Murphy's Engine Integrated Control System (EICS) disrupted the industry with its advanced approach to engine management. Now, with 15 years of EICS leading the industry, FW Murphy is extending this solution to larger horsepower engines. The latest offering is the EICS-CG137 kit. This solution engineered for Caterpillar CG137 engines is ready for integration at the packager level for new gas compression or in the field for existing engines. Everything needed is included in one package, so you can set the skid up in a way that works for you.



OVERVIEW

The new EICS-CG137 delivers smarter integration, simplified installation and peak performance in demanding applications. With one system, your application will maintain emissions compliance, optimize performance and simplify engine diagnostics.

FW Murphy's EICS-CG137 consolidates key components — ignition system, air/fuel control, speed governing and diagnostics — into one package saving money and man-hours in installation and setup. Two options are available for the EICS-CG137 kit; a retrofit for existing engines in the field or to a kit to be installed on new iron purchased from CAT.

The EICS solution offers real-time BTU detection, superior knock detection and reliable power output with no compromise for engine safety. Robust parts with longer service lives make it the ideal system for your CG137.

The system includes FW Murphy's Air/Fuel Intake System, which integrates our Mass Flow Air Valve (MFA) and Mass Flow Gas Valve (MFG).

This technology maximizes performance while reducing emissions. Backed by FW Murphy's long history of superior engine control systems operations in the oil field, EICS-CG137 is built to keep your assets operating at peak performance.

The kit includes new cast and machined components, ignition coils, ECM, sensors and all necessary wiring. Every component has been validated from dynamometer-based engine calibration to field testing through production implementations to ensure smoother installs, reliable operations and long-term durability.



FEATURES



EXTENDED LIFECYCLE

EICS-CG137 extends the life of your Caterpillar CG137 engines by supplying a complete engine management system that is calibrated and ready to be installed in the field. The system is backed by FW Murphy's prolonged lifecycle management that is not bound by OEM obsolescence.



RELIABILITY

Real-time BTU technology allows the engine to ride through transient events. The system allows proper engine operation over a wide range of fuel compositions. It eliminates the need for operators to provide manual input into the gas engine BTU calibration.



COMPLETE ECOSYSTEM

The M-LINK IoT gateway allows the engine troubleshooting to be carried out remotely and with the support of FW Murphy's engine specialist team.



LOWER COSTS

EICS-CG137 allows engine owners to modify critical parts of the engine management system to meet your performance goals without other components.



MEETS YOUR NEEDS

EICS-CG137 offers the technology needed to meet your needs. Engineered to maximize performance, the system is the ideal solution for engine control.



TURNKEY SETUP

FW Murphy's EICS-CG137 kit includes all the necessary parts to install onto your CAT engine. The kit is engineered to be installed quickly and efficiently, even in the field, resulting in minimum downtime and reduced costs.

WHY FW MURPHY?

FW Murphy has been the trusted industry standard for gas compression controls for more than 85 years. Our expertise in providing a fully integrated gas compression controls skid is engrained in our DNA.

FW Murphy provides industry-specific, fit-for-purpose instrumentation and control technologies that maximize compressor package performance and reliability. As the industry leader in gas compression controls, FW Murphy continues to innovate and provide customers with tailored engineering solutions that challenge the status quo and continues to adhere to our legacy of conquering complexity.



COMPLETE SUPPORT

FW Murphy parts and service are available through our extensive network of master distributors, dealers and partners. Contact your sales representative to learn how working with our trained representatives can assist you.

FW Murphy parts are backed by a two-year warranty for defects in materials and workmanship. We stand behind our parts to give you peace of mind.

FW Murphy offers emergency tech support 24 hours a day. Our expert technical team can assist with after-hours emergencies to keep your application running and troubleshoot emergency problems at any time.