

EICS-22L



EICS-22L 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-22L kit. This solution engineered for Doosan’s 22 Liter engines is ready for integration at the packager level for gas compression or genset applications. 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-22L delivers smarter integration, simplified installation and peak performance in demanding applications. FW Murphy’s EICS-22L unifies key functions – ignitions system, air/fuel control, speed governing and diagnostics – into one package saving money and man-hours in installation and setup. The all-in-one kit is a complete replacement for all existing control system components.

With one kit maintain emissions compliance, optimize performance and simplify engine diagnostics. The EICS solution offers enabled real-time BTU calculation, superior knock detection, and increased power output with no compromise for engine safety. Robust parts with longer service lives make it the ideal system for your 22L.

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

This technology maximizes performance while reducing emissions. Backed by a multi-year, multi-million dollar investment, EICS-22L is built to keep your assets operating at peak performance.

The kit includes new cast and machined components, ignition coils, seals, tubing and redesigned cam case covers for more straight-forward knock sensor installation. Every component has been validated in both dyno testing and field applications to ensure smoother installs, reliable operations and long-term durability.



FEATURES



EXTENDED LIFECYCLE

EICS-22L extends the lifecycle of your Doosan 22L 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

EICS-22L integrates natively with FW Murphy’s Centurion® control panels and provides a seamless user experience from control interface to diagnostics. Adjust the EICS settings remotely when used in conjunction with FW Murphy’s M-LINK® IoT gateway. Troubleshooting can be completed remotely through EDIS software from any location.



LOWER COSTS

EICS-22L allows engine owners to modify critical parts of the engine management system to meet performance goals without other components. Rugged components and longer service life help the bottom line while the calibrated kit keeps your engine up and running when and where you need it.



MEETS YOUR NEEDS

EICS-22L offers the technology needed to meet your needs. FW Murphy’s EICS-22L optimizes power output with no compromise to engine safety.



TURNKEY SETUP

FW Murphy’s EICS-22L kit includes all the necessary parts to install onto your Doosan engine. All the required components are in the kit allowing you to set up the engine in the way that works best for you.

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 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.