



275GL+ to 275GL+ with ESM2 Conversion Upgrade Offering

Product description

Simplify your engine, increase your reliability, and improve your 275GL+ operability. Grow with the Waukesha* 275GL+ to 275GL+ with ESM2 Upgrade kit. This kit greatly advances the control capability of the engine and incorporates various reliability improvements made over the life of the engine to transform your user experience.

Product details

Upgrade Contents:

- 12"/305mm remote mounted HMI with harness
- IPMD2 ignition module
- Front wire harness
- High temperature harnessing for actuators & sensors near exhaust
- Customer interface harness – Single harness to interface to 275GL+
- New boost pressure sensors
- Trican Sensor – Measures ambient humidity, temperature, pressure
- New air handling control actuators
- Power distribution box
- Smart Thermocouple Modules (STU) for managing exhaust & main bearing temperatures

Customer benefits

- **Reliability**
 - Improved AFR control. Superior fault tolerance to keep you running
- **Consolidation**
 - Single, high capacity ESM2 control module for engine management

INNIO* is a leading solutions provider of gas engines, power equipment, a digital platform and related services for power generation and gas compression at or near the point of use. With our Jenbacher* and Waukesha* product brands, INNIO pushes beyond the possible and looks boldly toward tomorrow. Our diverse portfolio of reliable, economical and sustainable industrial gas engines generates 200 kW to 10 MW of power for numerous industries globally. We can provide life cycle support to the more than 48,000 delivered gas engines worldwide. And, backed by our service network in more than 100 countries, INNIO connects with you locally for rapid response to your service needs. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, US.

Find your local support online: www.innio.com/en/company/providers

• Usability

- Improved starting, steady state, and transient performance. Data trending, troubleshooting where you need it through the engine HMI

• Transient Capability

- 0-100% load – 45 sec
- 30-100% load – 30 sec
- +/- 10% load at any operating point
- 100% load rejection in < 10 seconds



Applicable units

275GL+ to 275GL+ ESM2 Upgrade

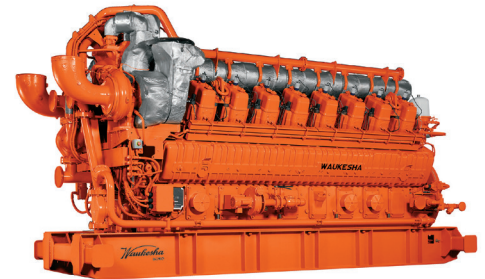
Engine	Kit #	Part #
12V 275GL+	G-962-1261	CMU-495887A
		CMU-495887B
		CMU-495887C
		G741232
		A741372A
		A296643F
		741239A

Applicability

3,750 hp, 0.5g NOx, 800-2,300 BTU Fuel
3,625 hp, 0.5g NOx, 800-2,300 BTU Fuel

• Starting/Shutdown

- Full adjustability, automatic lean out after starting
- Ability to start with 30% torque applied
- New e-Stop feature that eliminates residual fuel in engine during hard stops



Engine	Kit #	Part #
16V 275GL+	G-962-1262	CMU-495887A
		CMU-495887B
		CMU-495887D
		G741232
		A741372A
		A296643F
		741239A

Applicability

5,000 hp, 0.5g NOx, 800-2,300 BTU Fuel
4,835 hp, 0.5g NOx, 800-2,300 BTU Fuel
5,000 hp, 0.5g NOx, 700-850 BTU Fuel
4,835 hp, 0.5g NOx, 700-850 BTU Fuel



IWK-219037-EN

*Indicates a trademark

© Copyright 2021 INNIO Waukesha Gas Engines Inc. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.