



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
- IPMD ignition module and quick connect ignition coils
- Front wire harness
- High temperature harnessing for actuators & sensors near exhaust
- Customer Interface Harness – Single harness to interface to 275GL+
- Boost pressure sensors
- Trican Sensor – Measures ambient humidity, temperature, pressure
- Engine control actuators
- Power distribution box
- Smart Thermocouple Modules (STU) for managing exhaust & main bearing temperatures

Customer benefits

- **Reliability**
 - Improved disturbance tolerance – No more wastegate learning
- **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.

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• 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

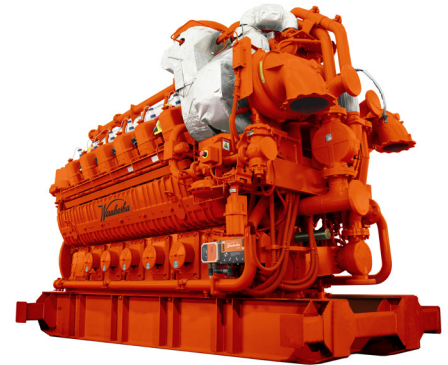
• Starting/Shutdown

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

Applicable units

275GL+ to 275GL+ ESM2 Upgrade

Engine	LCR/HCR	Kit
12V275GL+	HCR	G-962-1261
12V275GL+	LCR	G-962-1268
Multiple power levels available: 3130, 3375, 3625, and 3750 BHP		
16V275GL+	HCR	G-962-1262
16V275GL+	LCR	G-962-1273
Multiple power levels available: 4100, 4500, 4825, and 5000 BHP		



HCR Customer Profile

- Fuel derate begins: *60 WKI/16V – *70 WKI/12V
- 9:1 Pistons (not needed with upgrade)
- BTU fuels (600-900)
- Efficient fuel consumption
- Emissions: 0.5 NOx (g/BHP-hr)

LCR Customer Profile

- Fuel derate begins: *50 WKI
- 8:1 Pistons (needed for upgrade)
- Wide BTU fuels (900-2300)
- Lower Emissions: 0.3 NOx (g/BHP-hr)

*BHP Calibration will relate to a lower WKI derate.



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*Indicates a trademark

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