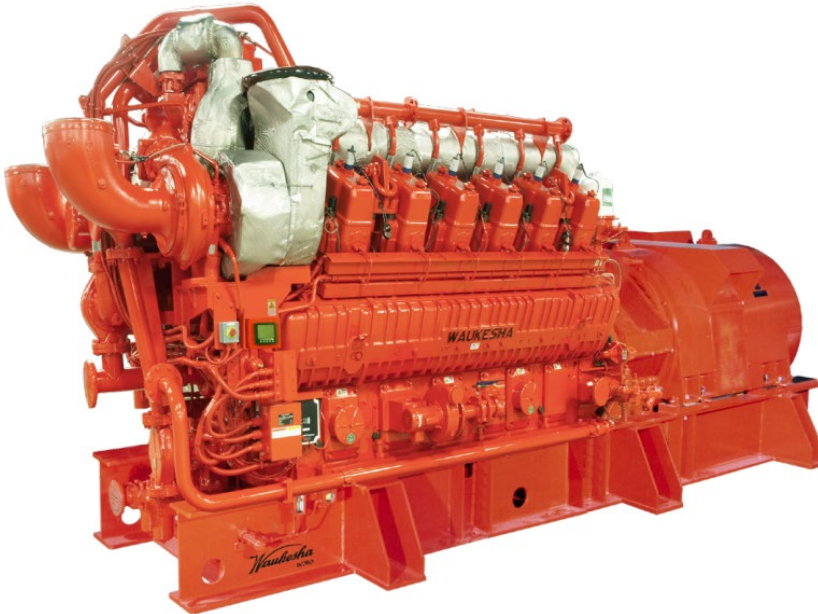


275GL+ 12V Engine

Natural Gas Engine w/ESM2
3,625 bhp (2,703 kWb) @ 1,000 rpm



Engine Features

For almost 100 years, WPI has provided clients with products and services that **Deliver More Uptime™**.

The Waukesha 275GL+ represents the most advanced generation of high-horsepower engines designed for optimum performance in gas compression and other mechanical drive applications. A unique combination of robust construction and innovative technology, the 275GL+ lean-burn engine delivers the fuel flexibility, reliability, power output, and emissions demanded by the oil and gas industry.

The 275GL+ features Waukesha's ESM2 control, which integrates engine functionality into a single, closed-loop system with direct NOx measurement. Key components such as the oil filters, oil cooler, pre-lube pump, jacket water, and auxiliary thermostats have been mounted on the engine, simplifying the packaging process and skid layout.

Excellent Fuel Efficiency

Optimized to achieve excellent fuel efficiency while running on a wide variety of field gases and load profiles.

Single, Closed-loop Engine Control System

Waukesha's proven ESM2 control integrates the following into a single, closed-loop system: Air/Fuel Ratio Control, Wastegate Control, Turbocharger Bypass Control, Ignition Timing, Knock Detection, and Fault Monitoring.

Wide Range of Fuel Flexibility

Operation on a broad range of fuels with full power from 850-1,550 BTU/ft³ and capability up to 2,300 BTU/ft³.

High Reliability with Long Maintenance Intervals

Achieves up to 36,000 hours before top-end overhaul and 72,000 hours before bottom-end.

Technical Data

275GL+ 12V

Cylinders	12V
Piston displacement	13,048 cu. in. (214 L)
Compression ratio	9:1
Bore & stroke	10.83" x 11.81" (275 x 300 mm)
Jacket Water Capacity	100 gal. (379)
Lube oil capacity	220 gal. (1040 L)
Fuel pressure range 50 – 60 psi (3.4 – 4.1 bar)	Fuel pressure range 50 – 60 psi (3.4 – 4.1 bar)
Starting system	150 psi (10.3 bar)

