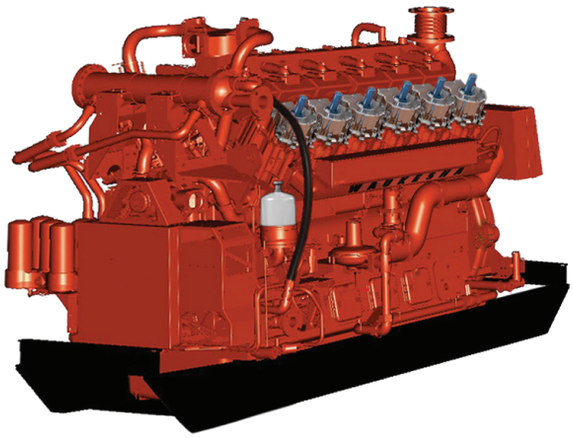
VHP Series Four L7044G

With ESM2

690 - 920 bhp (515 - 686 kWb)



Technical Data

Cylinders	V12
Piston displacement	7040 cu. in. (115 L)
Compression ratio	8:1
Bore & stroke	9.375" x 8.5" (238 x 216)
Jacket water system capacity	100 gal. (379 L)
Lube oil capacity	190 gal. (719 L)
Starting system	125 - 150 psi air/gas 24V electric

Dimensions l x w x h inch (mm)
147 (3734) x 85 (2159) x 97.83 (2485)

Weights lb (kg)
24,250 (11,000)

INNIO's Waukesha* VHP* Series Four* are the engines of choice for the harshest and most demanding gas compression, power generation and mechanical drive applications. The Series Four engines can reliably produce more power on hot field gases, at high altitudes, and in remote locations, all while delivering low emissions when paired with a 3-way catalyst (NSCR).

The L7044G is a naturally-aspirated engine made with Series Four components, including cylinder heads, engine-mounted spin-on oil filters and oil coolers, and deep sump oil pan.

This makes the L7044G a great choice for quick response, high-reliability projects.

Performance Data

Intercooler Water Temperature 130°F (54°C)		1200 RPM	1000 RPM
	Power bhp (kWb)	920 (686)	767 (572)
	BSFC (LHV) Btu/bhp-hr (kJ/kWh)	8746 (12374)	8559 (12109)
	Fuel Consumption Btu/hr x 1000 (kW)	8046 (2357)	6565 (1922)
Engine-Out Emissions	NOx g/bhp-hr (mg/Nm³ @ 5% O_2)	16.2 (6000)	15.1 (5590)
	CO g/bhp-hr (mg/Nm³ @ 5% O_2)	11.7 (4320)	10.5 (3890)
	NMHC g/bhp-hr (mg/Nm³ @ 5% 0_2)	0.35 (131)	0.34 (127)
	THC g/bhp-hr (mg/Nm³ @ 5% O_2)	2.0 (0.75)	2.3 (850)
Heat Balance	Heat to Jacket Water Btu/hr x 1000 (kW)	2598 (761)	2148 (629)
	Heat to Lube Oil Btu/hr x 1000 (kW)	471 (138)	366 (107)
	Heat to Radiation Btu/hr x 1000 (kW)	607 (178)	550 (161)
	Total Exhaust Heat Btu/hr x 1000 (kW)	2119 (621)	1643 (481)
Intake/ Exhaust System	Induction Air Flow scfm (Nm³/hr)	1474 (2219)	1202 (1810)
	Exhaust Flow lb/hr (kg/hr)	6852 (3108)	5588 (2535)
	Exhaust Temperature °F (°C)	1073 (578)	1021 (549)

All data according to full load and subject to technical development and modification.

Consult your local Waukesha representative for system application assistance. The manufacturer reserves the right to change or modify without notice, the design or equipment specifications as herein set forth without incurring any obligation either with respect to equipment previously sold or in the process of construction except where otherwise specifically guaranteed by the manufacturer.

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

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