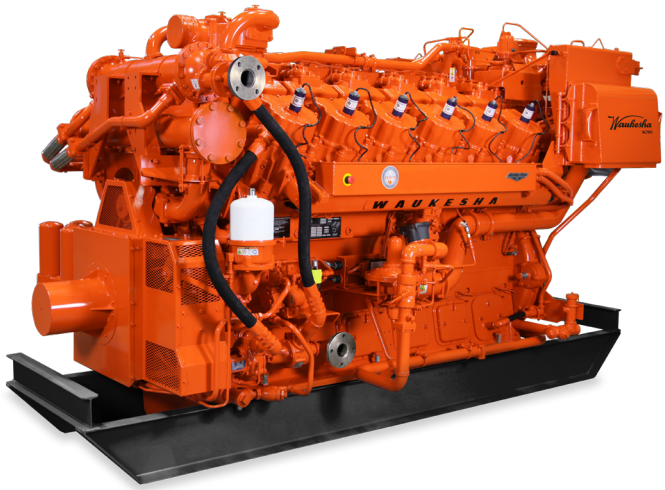
VHP Series Four L5794LT

With ESM

1208 - 1450 BHP (901 - 1081 kWb)



Technical Data

Cylinders	V12
Piston displacement	5788 cu. in. (95 L)
Compression ratio	10.2:1
Bore & stroke	8.5" x 8.5" (216 x 216 mm)
Jacket water system capacity	107 gal. (405 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* L5794LT engine provides a lean-burn solution to challenging applications. Whether powering a compressor or a generator, the L5794LT provides reliable power.

The L5794LT incorporates open-chamber combustion, eliminating the cost and complexity associated with a pre-chambered fuel system. Lifecycle enhancements, such as engine-mounted lube oil cooler, spin-on oil filters for primary filtration and a centrifugal oil filter for secondary filter ensure operating costs are minimized without sacrificing reliability.

The ESM* engine system manager engine controller integrates all systems into a single box, providing speed control, knock control, fault diagnostics, and spark timing. E-Help is a downloadable service program that provides step-by-step troubleshooting help.

Performance Data

		Continuous Power	
Intercooler Water Temperature 130°F (54°C)		1200 RPM	1000 RPM
	Power bhp (kWb)	1450 (1081)	1208 (901)
	BSFC (LHV) Btu/bhp-hr (kJ/kWh)	7535 (10663)	7457 (10548)
	Fuel Consumption Btu/hr x 1000 (kW)	10926 (3202)	9008 (2640)
Emissions	NOx g/bhp-hr (mg/Nm³ @ 5% O_2)	2.00 (810)	2.00 (810)
Emissions	CO g/bhp-hr (mg/Nm³ @ 5% O_2)	1.80 (730)	1.70 (698)
Emissions	NMHC g/bhp-hr (mg/Nm³ @ 5% 0_2)	0.34 (140)	0.39 (156)
Emissions	THC g/bhp-hr (mg/Nm³ @ 5% O_2)	2.30 (931)	2.60 (1043)
Heat Balance	Heat to Jacket Water Btu/hr x 1000 (kW)	2696 (790)	2234 (655)
Heat Balance	Heat to Lube Oil Btu/hr x 1000 (kW)	472 (138)	373 (109)
Heat Balance	Heat to Intercooler Btu/hr x 1000 (kW)	518 (152)	367 (108)
Heat Balance	Heat to Radiation Btu/hr x 1000 (kW)	451 (132)	435 (127)
Heat Balance	Total Exhaust Heat Btu/hr x 1000 (kW)	3311 (970)	2698 (791)
Intake/ Exhaust System	Induction Air Flow scfm (Nm³/hr)	3169 (4773)	2612 (3934)
Intake/ Exhaust System	Exhaust Flow lb/hr (kg/hr)	14229 (6454)	11730 (5321)
Intake/ Exhaust System	Exhaust Temperature °F (°C)	895 (479)	882 (472)

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.

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www.innio.com/en/company/providers

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*Indicates a trademark