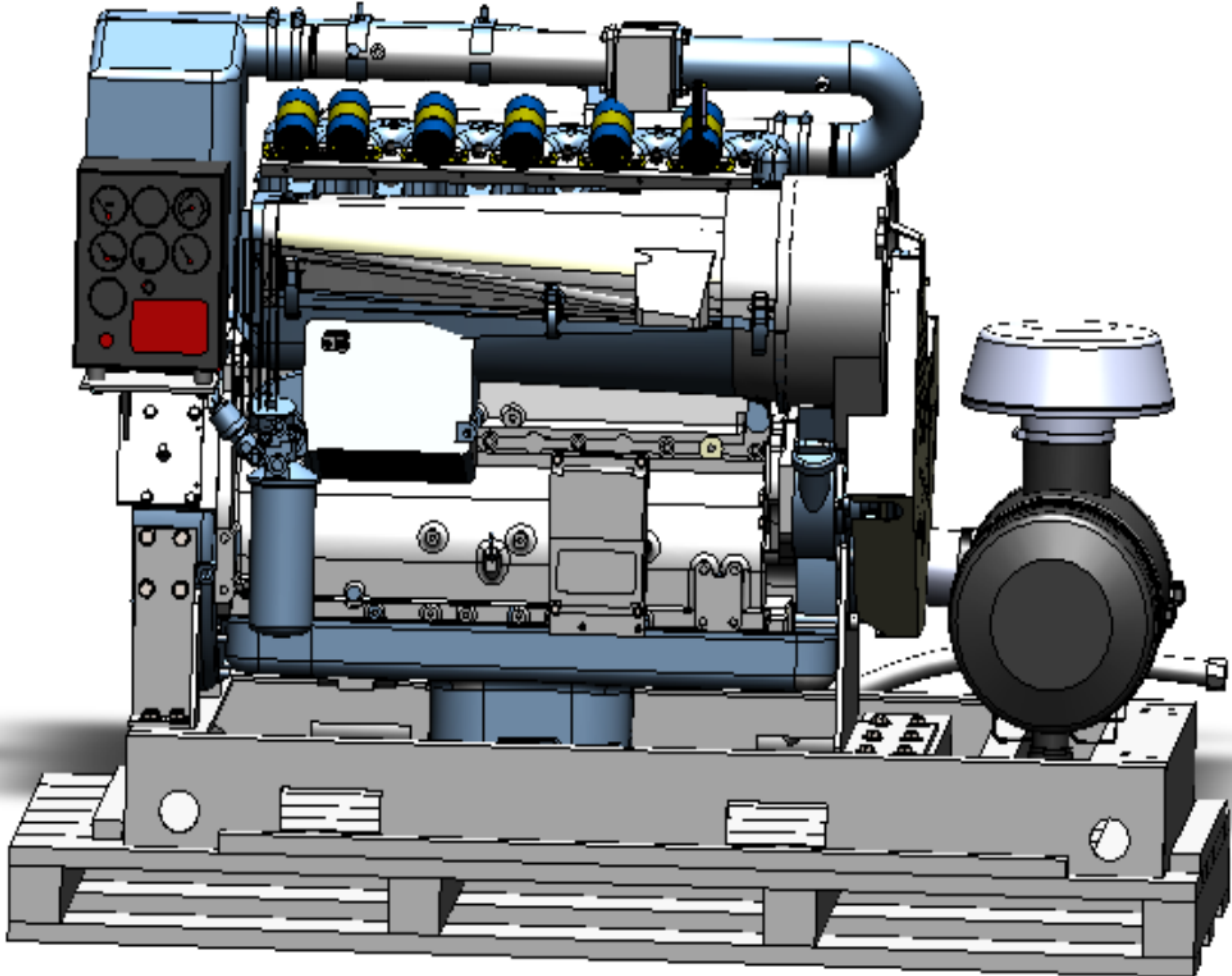


# 914 Gas Engine, Non Compliant



# GL914L4

# Specification data

<b>General</b>			<b>Physical data</b>			
Cylinders	4		Length, skid	1040 mm	41 in.	
Cylinder arrangement	Vertical in-line		Width, skid	860 mm	34 in.	
Bore	102 mm	4.0 in.	Height	1300 mm	51 in.	
Stroke	132 mm	5.2 in.	Weight, dry	330 kg	726 lb.	
Cylinder Displacement	1.078 liter	65.77 in. <sup>3</sup>	Max bending @ housing:	800 Nm	589.6 lb-ft	
Total displacement	4.314 liter	263.2 in. <sup>3</sup>	Max force @ flywheel:			
Compression ratio	9:1		Axial:	3000 N	675.676 lb.	
Aspiration	Natural		Radial:	4000 N	900.901 lb.	
<b>Combustion air system</b>			<b>Performance data</b>			
Max allowable dirty restriction	35 mbar	14 in. H <sub>2</sub> O	Peak torque	223 Nm	164.4 lb-ft	
			@ rpm	1200		
			low idle speed	1000 rpm		
<b>Exhaust system</b>			<b>Net power</b>			
Exhaust temp @ max rating	630 °C	1166 °F	Engine RPM	<b>1500</b>	<b>1800</b>	<b>2000</b>
Max allowable back pressure	35 mbar	14 in. H <sub>2</sub> O	kW , continuous	32.0	36.0	38.0
			Hp, continuous	42.9	48.3	51.0
<b>Fuel</b>			<b>Gas consumption</b>			
Pressure	Dry Nat. Gas, min Methane >80%		BTU/HPh	8943.0	8961.0	
	5" H <sub>2</sub> O (13mbar) max. mixer inlet		kWH/kWh	3.5	3.9	
Lower Calorific Value Hu	14" H <sub>2</sub> O (35mbar)max. regulator inlet					
	950 BTU/ft <sup>3</sup>					
<b>Cooling system</b>			<b>Combustion air</b>			
Type			m <sup>3</sup> /min	2.3	2.8	3.1
Cooling air flow rate @ max rpm	42.3 m <sup>3</sup> /min	1772 CFM	CFM	81.9	98.2	109.5
Max inlet air temp rise over ambient	10 °C	18 °F				
Discharge air temp rise over inlet	55 °C	99 °F				
Cowling pressure:			<b>Exhaust gas</b>			
Max loss due to inlet duct	10 %		m <sup>3</sup> /min	6.3	7.6	8.4
Max loss due to discharge duct	10 %		CFM	222.5	268.4	296.6
<b>Lubrication system</b>			<b>Cooling air</b>			
Lubrication type			m <sup>3</sup> /min	31.7	38.0	42.3
Oil flow at max rpm	28 l/min	7.4 GPM	CFM	1119	1342	1494
Oil pump relief valve setting	6 bar	87 psi				
Max oil temperature in oil sump	130 °C	266 °F				
Filter volume	1 liter	1.1 qt.				
Oil change interval	500 hours					
<b>Electrical</b>						
Starter motor	12V, 4kW					
Recommended battery CCA	1250 CCA					
Voltage Drop, battery (+), max	1V					
<b>Emissions</b>						
Non emissions compliant						

All data refer to standard conditions of 25 °C, 1000 mbar  
Data are subject to change without notice



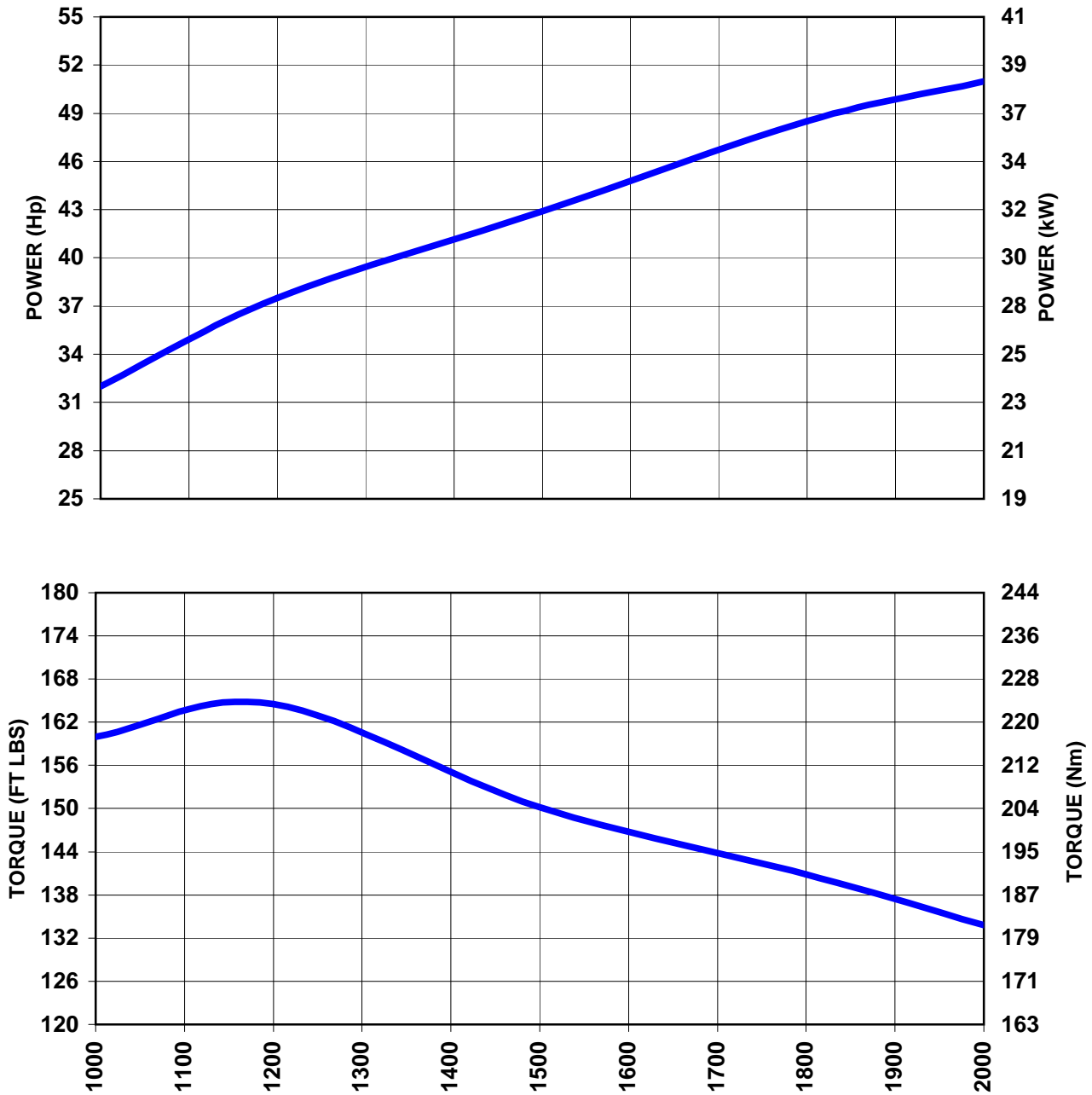
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# ENGINE PERFORMANCE CURVES

ENGINE MODEL  
RATED CONTINUOUS POWER  
MAX. TORQUE

G914L4  
38 kW at 2000 rpm  
232 Nm at 1200 rpm



Tolerance: +/- 5%  
Reference conditions: 25°C (77°F), 1000mbar