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Automation by James Thompson Page readure 54kWm / 56kVA / 44kWe Case Line Industrial gas generator set, type GL 612-C Output KVA 122 Frequency Hz 50 CDP. Continuous power KVA 122 Frequency Hz 50 CDP. Continuous power KWe 97 Air temperature YC 25 CDP. Continuous power KWe 97 Air temperature YC 25 CDP. Continuous power Frequency Hz 50 508 528. Power test code ISO 3046. Beference conditions - Output determined as per above is called output and is what is stated in Technical Data and Bro-twares. Devisition 1000 50 57 Relative humidity % 30 Density kg/m² 31000 Relative humidity % 30 Density kg/m² 30000 Relative humidity % 30 Density kg/m² 31000 Relative humidity % 30 Density kg/m² 31000 Relative humidity % S61-7 Number of	Contact Person					Ome					
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 Gear driven lube oil pump. Lube oil drain pump. Air Inlet system Exhaust or colled air cleaner Exhaust system Water cooled exhaust manifold 90° exhaust bend including flanges and gaskets. Exhaust gas temperature sensor (PT-100) for every cylinder. Cooling system Radiator, set mounted, with double cooling element for HT- and LT-system. Engine driven cooling water pump for HT-system. Engine driven cooling water pump for HT-system. Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Starter batteries, 2x 12V with cold cranking amps >800 Amp, maintenance free types. Other / miscellaneous 					• Lube oil cooler						
Air Inlet system Engine mounted air cleaner Exhaust system Water cooled exhaust manifold 90° exhaust bend including flanges and gaskets. Exhaust compensator with flange (shipped loose). Turbo charger Exhaust gas temperature sensor (PT-100) for every cylinder. Cooling system Radiator, set mounted, with double cooling element for HT- and LT-system. Engine driven cooling water pump for HT-system. Engine driven cooling water pump for LT-system. Electrical system Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Other / miscellaneous Flywheel housing SAE 1.											
 Engine mounted air cleaner Exhaust system Water cooled exhaust manifold 90° exhaust bend including flanges and gaskets. Exhaust compensator with flange (shipped loose). Turbo charger Exhaust gas temperature sensor (PT-100) for every cylinder. Cooling system Radiator, set mounted, with double cooling element for HT- and LT-system. Engine driven cooling water pump for HT-system. Engine driven cooling water pump for LT-system. Electrical system Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Other / miscellaneous Flywheel housing SAE 1. Protection covers for all moving parts. 											
Exhaust system • Water cooled exhaust manifold • 90° exhaust bend including flanges and gaskets. • Radiator, set mounted, with double cooling element for HT- and LT-system. • Engine driven cooling water pump for HT-system. • Electrical system • Electric starter, 24 V, single poled. • Battery charger, 24 V, 16 Amp, build on the control box frame. • Other / miscellaneous • Flywheel housing SAE 1.		air cleaner									
 Water cooled exhaust manifold 90° exhaust bend including flanges and gaskets. Exhaust compensator with flange (shipped loose). Turbo charger Exhaust gas temperature sensor (PT-100) for every cylinder. Cooling system Radiator, set mounted, with double cooling element for HT- and LT-system. Engine driven cooling water pump for HT-system. Engine driven cooling water pump for LT-system. Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Other / miscellaneous Flywheel housing SAE 1. 											
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 Exhaust gas temperature sensor (P1-100) for every cylinder. Cooling system Radiator, set mounted, with double cooling element for HT- and LT-system. Engine driven cooling water pump for HT-system. Engine driven cooling water pump for LT-system. Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Other / miscellaneous Flywheel housing SAE 1. Pexhaust gas temperature sensor (P1-100) for every cylinder. Pusher fan, diameter 825 mm. Pusher fan, diameter 825 mm. Thermostat. Jacket water heater temperature controlled including ON/OFF switch. Battery container, integrated in the genset frame. Starter batteries, 2x 12V with cold cranking amps >800 Amp, maintenance free types. 											
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 HT- and LT-system. Engine driven cooling water pump for HT-system. Engine driven cooling water pump for LT-system. Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Other / miscellaneous Flywheel housing SAE 1. Pusher ran, diameter 825 mm. Thermostat. Jacket water heater temperature controlled including ON/OFF switch. Starter batteries, 2x 12V with cold cranking amps >800 Amp, maintenance free types. 	Cooling system										
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 Engine driven cooling water pump for HT-system. Engine driven cooling water pump for LT-system. Jacket water heater temperature controlled including ON/OFF switch. Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Other / miscellaneous Flywheel housing SAE 1. Protection covers for all moving parts. 											
 Engine driven cooling water pump for L1-system. Electrical system Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Starter batteries, 2x 12V with cold cranking amps >800 Amp, maintenance free types. Other / miscellaneous Flywheel housing SAE 1. Protection covers for all moving parts. 											
 Electric starter, 24 V, single poled. Battery charger, 24 V, 16 Amp, build on the control box frame. Battery charger, 24 V, 16 Amp, build on the control box maintenance free types. Other / miscellaneous Flywheel housing SAE 1. Protection covers for all moving parts. 	-	oling water p	oump for	LI-system.				,		J , F	
 Battery charger, 24 V, 16 Amp, build on the control box frame. Starter batteries, 2x 12V with cold cranking amps >800 Amp, maintenance free types. Other / miscellaneous Flywheel housing SAE 1. Protection covers for all moving parts. 											
frame. maintenance free types. Other / miscellaneous Protection covers for all moving parts.											
Other / miscellaneous • Flywheel housing SAE 1. • Protection covers for all moving parts.		24 V, 16 Am	ip, build (, build on the control box							
Flywheel housing SAE 1. Protection covers for all moving parts.						maintenance	neety	μες.			
						Protection	vorc fo	r all moving parts			
▼ TIVWIECLT4 I ▼ UVIIIUELIEAU WITTZ-VAIVES DELLVIIIUEL	 Flywheel 14 										

Gen-C Ltd | Century Business Centre | Manvers | Rotherham | S Yorks | S6635DA | phone +44 1709 711 094 | sales@gen-c.co.uk | www.gen-c.co.uk Registered in the UK no. 6885135 | VAT no. 152 3408 37



• Internal crankcase ventilation.

Alternator data							
Alternator Type Voltage (V) Winding Frequency (Hz) Load factor Insulation class	STAMFORD UCI 274 D 380, 400, 415 or 440 3-phase series star no 311/312 50 0.8 H	Temperature rise class Protection Short circuit current Scope of supply includes:	H@40°C ambien temperature IP23 300% SEA adaptor flange Single bearing Anti-condensation heater AVR control system (MX 341)				
Key switch mounted in Control box mounted a Wiring and sensors mou AIO is a dedicated contr with a powerful graphi	' (AIO) engine controller is mounted in a o the control box. t end of skid. (See drawings below). unted on the engine including cable harn roller for genset applications. It controls, r	ess to control box. nonitors and protects the gas engine and alte aphs for intuitive operation, which together	rnator. The controller is equippe				
Engine control	g and protections nent	 Languages selectable MODBUS communication selectable Remote access as standard 					
 Running hours cc Voltage monitori Number of start a On-screen alarm Event and time d Binary, analogue 	ounter ng of starter batteries attempts registration list indication riven engine history for back tracing and CAN engine communication	 Generator functions: Generator Circuit breaker control Main circuit breaker control Synchronization 					
Alarms: Cooling water ter Cooling water lev Lube oil pressure Lube oil tempera Shut downs	rel (low) engine (low) ture engine (high) mperature (high high) engine (low low)	 Generator monitoring 3 phase monitoring Over/Under Frequency Over/Under voltage Overload protection 					
Distribution board – co MCCB switch Thermal protection Motor drive Feedback signal G59 relay (Motor	on	 Miscellaneous Motortech AIN8 analog input module Motortech IO8/8 expansion card Motortech AVRi AVR control 					
 Frame painted bl Drip tray Drain plug Mounting strip 6 point support 	tion mounted on common base frame ack complete with – ips for electrical ort for genset ndfirden blue (RAL 5010)	 Genset tested on Sandfirden test bench, including - FAT & acceptance test according to test protocol Acceptance by class (if applicable) Alarm & shutdown test Parallel running Final pre-delivery checks and Warning stickers Hoisting instructions and sealed in plastic for shipping 					

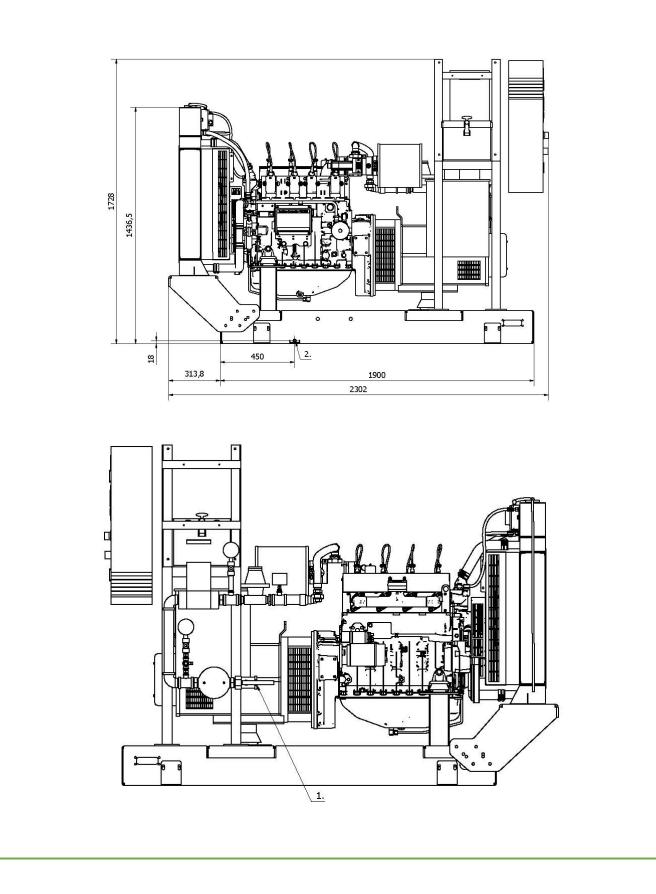
8000 Running hours or twelve (12) months after start-up, but not beyond eighteen (18) months after delivery from Suppliers plant, whichever occurs first. For more information we refer to Sandfirden Terms and Conditions 20070418Ee.

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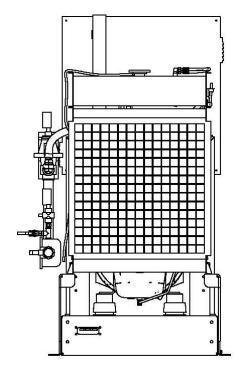
Drawing & dimensions – side views

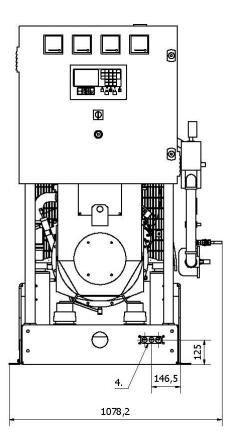


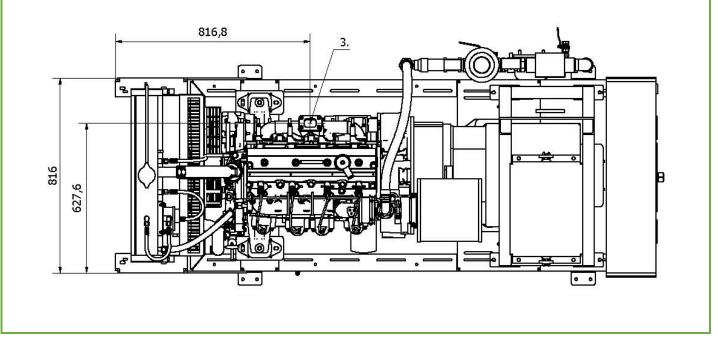




Drawing & dimensions – end & plan views







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