

				1							
Invision Address					Operation Address						
Invoice Address				1	Operation Address						
				1		6					
Contact Person			Unit Sandfirden GLC 621 B.								
		1									
Phone Number			Engine type								
Quotation by James Thompson				Power outputs	249kVA / 200kWe						
				-							
General data											
GasLine industrial gas	generator set,	, type GL	621 B.								
Output		kVA 249			Frequency			Hz	50		
		kWe	200	Ai	r temperature			°C	25		
COP, Continuous powe	er										
For continuous operati	— ion at a const	ant load	for unlimited numb	or o	f hours per year l	Powe	er definition according	to ISO 852	8 Power test code		
ISO 3046.					i nouis per yeur.	10000		10 150 052	o. i ower test coue		
Reference conditions	Output dete	rmined a	is per above is calle	d so	ld output and is w	vhat i	s stated in Technical D	ata and Br	ochures. Deviating		
figures may cause outp											
Atmospheric condition				Fu	iel:						
Barometric pressure		hPa 1000		Er	nergy Value			kJ/m³	31000		
Relative humidity		% 30		D	Density			kg/dm	0.67		
				Μ	ethane number				80		
Engine Data - Water-co	ooled, 4-strol	ke, natur	al aspirated, lean-b	urn	gas engine:						
Engine			SCANIA	N	umber of cylinder	S			6 in line		
Туре		SGI-13		Displacement				dm ³	12.7		
Power output*		kW	215		Bore x Stroke			mm	130 X 160		
Speed RPM 1500 Compression ratio 12.6:1							-				
*Outputs have been determined under given test conditions according to the international performance standard ISO 3046.											
Fuel system											
VariFuel2 air/fuel ratio mixer.					 Ignition coils. Sparkplugs for gas engines. 						
GAC throttle actuator / speed control system.				 Sparkplugs for gas engines. Gas fuel train build on set with stainless steel hose to mixer, 40-50 							
Electronic MOTORTECH ignition system, pulse pick-up on			`	mBar inlet pre				se to mixer, 40-50			
the camshaft.					indui inici pro	coour					
Lube Oil system											
Full flow lube oil filter.					Lube oil cooler.						
 Gear driven lube oil pump. 					Lube oil drain						
Air Inlet system											
Engine mounted	air cleaner										
Exhaust system											
Water cooled ex	haust manifo	ld			_ <i>i</i>						
 90º exhaust bend including fl 				•	 Exhaust compensator with flange (shipped loose) 						
Exhaust gas temperature se				•	Turbo charger						
cylinder.			• Stainless steel silencer 6" 35 dB (A) set mounted.								
Cooling system											
Badiator set mounted with double cooling element for											
HT- and LT-system.			-		 Pusher fan, diameter 825 mm. Thermostat 						
Engine driven cooling water put		ump for HT-system.			Thermostat. Jacket water beater temperature controlled including ON/OEE switch						
• 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 container, integrated in the genset frame.						
· · ·		mp, build on the control box		•		r batteries, 2x 12V with cold cranking amps >800 Amp,					
frame. maintenance free types.											
Other / miscellaneous											
Flywheel housing SAE 1						covers for all moving parts.					
Flywheel 14			•	Cylinder head with 4-valves per cylinder.							

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• Internal crankcase ventilation.

Gear train at flywheel side of the engine

Alternator data							
Alternator Type Voltage (V)	STAMFORD HCI 434 D 380, 400, 415 or 440	Temperature rise class Protection Short circuit current	H @ 40°C ambient temperature IP23 300% SEA adaptor flange Single bearing Anti-condensation heater AVR control system (MX- 341)				
Winding Frequency (Hz) Load factor Insulation class	3-phase series star no 311/312 50 0.8 H	Scope of supply includes:					
end of skid. (see drawings b AIO is a dedicated controller	 D) engine controller is mounted in a elow). Wiring and sensors mounted for genset applications. It controls, play with icons, symbols and bar gr 	o control box. Key switch mounted in the cont on the engine including cable harness to cont monitors and protects the gas engine and alter raphs for intuitive operation, which together	rol box. rnator. The controller is equipped				
Control functions: Engine control Engine monitoring an 		 Languages selectable MODBUS communication selectable Remote access as standard 					
 Speed measurement Running hours counter Voltage monitoring of starter batteries Number of start attempts registration On-screen alarm list indication Event and time driven engine history for back tracing Binary, analogue and CAN engine communication 		Generator functions: • Generator Circuit breaker control • Main circuit breaker control • Synchronization					
Monitoring system – Alarm	s & shut down (standard)						
Alarms: Cooling water temper Cooling water level (lo Lube oil pressure eng Lube oil temperature Shut downs Cooling water temper Lube oil pressure eng Overspeed (high)	ow) ine (low) engine (high) rature (high high)	 Generator monitoring 3 phase monitoring Over/Under Frequency Over/Under voltage Overload protection 					
Distribution board – consis	ting of -						
 MCCB switch Thermal protection Motor drive Feedback signal G59 relay (Motortech 	MainsPro)	 Miscellaneous Motortech AIN8 analog input module Motortech IO8/8 expansion card Motortech AVRi AVR control 					
Assembly & Testing		1					
 Engine & Alternation Frame painted black of Drip tray Drain plug Mounting strips for 6 point support for 	or electrical	 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 					
• Painted in Sandfir Warranty	den blue (RAL 5010)	 Hoisting instructions and sealed i 	n plastic for shipping				

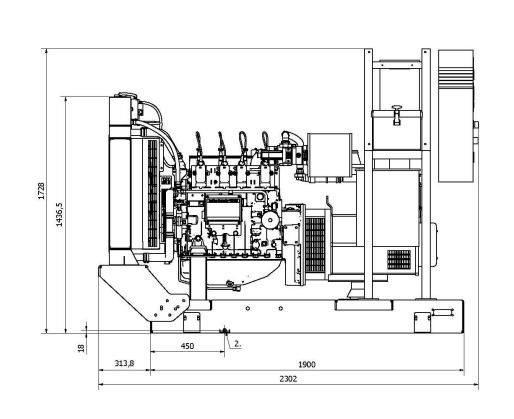
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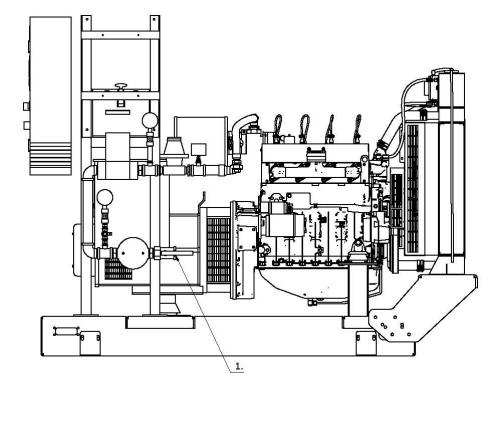
Warranty

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.



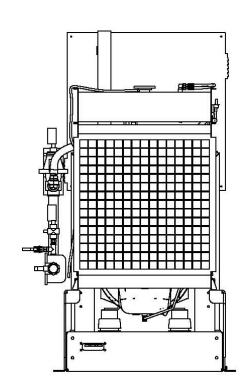
Drawing & dimensions – side views

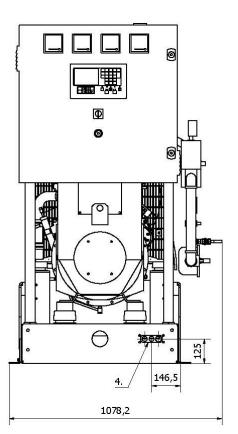


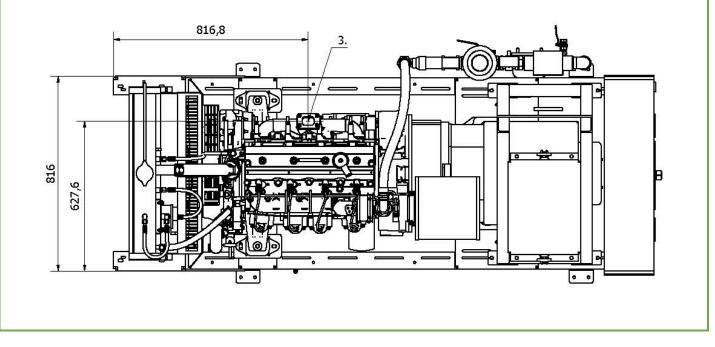




Drawing & dimensions – end & plan views







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