

SYL2000MK1

Model	Frequency/Speed	DCP as ISO8528-1 definition
SYL2000MK1	50Hz/1500rpm	2000kW
		2500kVA



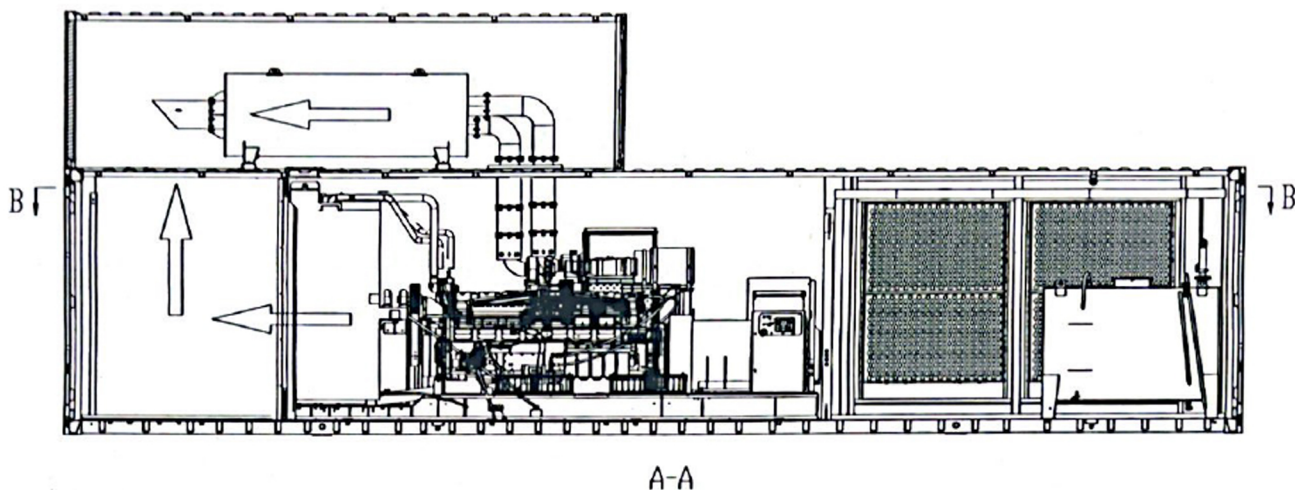
General Characteristics

Model	SYL2000MK1
Engine	MTU 20V4000G23F
Alternator	Leroy Somer LSA52.3L12
Controller	Deepsea DSE8610MKII
Silent Canopy	40FT type - Optional
Daily fuel tank capacity	2000 L - Optional
Breaker of Electric output cabinet	ACB 4000A, 4P - ABB Brand
Noise level @ 100% load at 7m	≤ 75 dBA
Performance class in ISO8528	G3
Single load acceptance step	NFPA 110, Type 10



Dimensions

DIMENSION		Slilent canopy - 40FT type
Length	mm	12192
Width	mm	2438
Height	mm	2896
Net Weight	kg	31000



* The above is for reference only, the actual size and weight are subject to the final design drawing.

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Engine

Brand		MTU
Model		20V4000G23F
No. of Cylinders		20
Displacement (L)		95.33
Bore x Stroke (mm)		170×210
Fuel system		Common Rail with Electronic EMS
Fuel Consumption (L/h)	100% load	496.9
	75% load	378.5
	50% load	273.1
	25% load	136.5



Alternator

Brand		Leroy Somer
Type		LSA52.3L12
Type		Three phases, 400/230V, 50Hz, Brushless, Self-excited
Insulation class		H
Protection class		IP23
Voltage regulator		AVR
Efficiency		96.19%
Overspeed		2250 Rpm



Controller

Model		DSE8610MKII
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Configurations

■Standard configuration	□Optional configuration	
■Engine	□Heavy-duty air cleaner	□Gas start system
	□Oil-water separator	□Inlet air shutdown valve
	□Jacket heater	□Engine oil heater
	□Pre-lubrication system	
■Alternator	□Anti-condensation heater	□Stator temperature sensor
	□Permanent magnet generator	□Digital voltage regulator
	□Bearing temperature sensor	□Differential protection
■Single-machine control	□Parallel control	□Grid-connected control
	□Centralized remote monitoring system	□Self-switching control
■Unit integrated output	□Individual output cabinet	□Distribution cabinet
	□Parallel main output cabinet	□ATS cabinet
■Chassis tank	□Daily-use fuel tank	□Underground storage fuel tank
	□Automatic fuel replenishment system	□PLC fuel control cabinet
■Industrial muffler	□Residential muffler	□Heavy-duty industrial extinguisher-type muffler
■40℃ heat dissipation tank	□50℃ heat dissipation tank	
■Battery negative switch		
■Maintenance-free lead-acid battery and cable		
■Battery charger		
■Steel chassis		
■Rubber damper	□Spring bumper	
	□Built-for-purpose tools	

*Standards:

ISO9001	ISO14001	ISO8528	ISO3046	ISO12100
NFPA110	IEC34	BS5000	BS60950	BS61000
NEMA MG 1-32	CE	UL6200	UL2200	EN50081

*Operating conditions and power correction:

Altitude: ≤ 1000m (power correction required when > 1000m);

Environmental temperature: 45 °C (power correction required when > 45°C)

Relative humidity: ≤ 100%

When the on-site usage conditions of the diesel generator set do not meet the above conditions, the output power of the set needs to be corrected, and the final correction coefficient should refer to the detailed technical data of the corresponding engine and generator.