

SGN-M 1450 S

Output Ratings			
Genset Model	Prime ¹	Standby ²	
380-415V, 50Hz	1300 kVA / 1040 kW	1413 kVA / 1130 kW	
480V, 60Hz	-	-	
Ratings are given at 0,8 power factor			

Dimension 8 Mainte

Dimension & Weight					
Length [mm]	Width [mm]	Height [mm]	Dry [kg]	Wet [kg]	
4550/6060	2000/2440	2400/2900	9250/15150		
Dry: With Lube Oil	: With Lube Oil Wet: With Lube Oil & Coolant				

Without canopy/ with canopy				
Lubrication System				
Engine Model :	Mitsubishi S12R-PTA			
Number of Cylinders:	12 / V			
Cycle :	4 Stroke			
Bore / Stroke [mm] :	170.0 / 180.0			
Induction :	Turbocharged CAC			
Cooling Method :	Water			
Governor Type :	Electronic			
Compression Ratio :	14.0:1.0			
Displacement [lt] :	49			
Electrical Sys. Voltage	24 / Negative			
Battery Charger Amps.	30			

Cooling System		50Hz	60Hz
Cooling System Capacity [It] :		335	
Heat rejected to Water & Lube Oil [k	W]:		
	Prime		
	Standby		
Heat Radiation to Room [kW] :			
	Prime		
	Standby		
Radiator Fan Load [kW] :			
Radiator Cooling Air Flow [m ³ /min] :			
External Restrictions to :			
Cooling Airflow [Pa] :			

Lubrication System Total Oil Capacity [It] : 180 Oil Type : API CD 15W-40 Oil Cooling Method : Water

Fuel System				
Fuel Filter Type : Replaceable Element				
Recommended Fuel : Class A2 Diesel				
Fuel Consumption [It] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	293	261	196	136

Exhaust System 50Hz 60Hz Max. Allowable Back Pressure [kPa] : Exhaust Gas Flow [m³/min] : Prime Standby Exhaust Gas Temp. [°C] : Prime Prime Exhaust Gas Temp. [°C] : Prime Performance SOHz

Engine Speed [rpm] :		1500	
Gross Engine Power [kW] :			
	Prime	1080	
	Standby	1190	
	Standby	1190	

Air Systems		50Hz
Air Filter Type :		Replaceable Element
Combustion Air Flow [m ³ /min] :		
	Prime	
	Standby	
Max. Combustion Air Intake		
Restriction [kPa] :		

(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)

Alternator Data	
Manufacturer :	SINCRO
Model :	SK 450 ME
No. of Bearings :	Single
Insulation Class:	н
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	95.6 %
Voltage Regulation (Steady State) :	1%
Total Harmonic Content:	3.0%
Appearent power [kVA]:	1300

Avail	able	Op	tio	ns
Signal	offor		ran	

Signal offers a range of optional features to tailor our gensets to

meet your power requirements.

Options:

- * A wide range of Sound Attenuated Enclosures
- * A variety of generating set control and synchronising panels

* Additional alarms and shutdowns

* A selection of exhaust silencer noise levels

For further information on all of the standard and optional

features for this product, please contact SIGNAL or

visit www.signalelectricals.com

1-Prime Rating:

ng: These ratings are applicable for supplying continuous electrical power (at variable load) of commercially purchased power. There is no limitation to the annual hours of operation, this model can supply 10% overload power 1 hour in each 12 hours.

2-Standby Rating: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of an utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528)