

SUPERNOVA
Eco Series

30 kVA TO 160 kVA



Authorised Sales Dealer :-

SAI POWER
SALES & SERVICE

SUPERNOVA



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SALES & SERVICE

Supernova Diesel Electric Gensets are powered by "EICHER" Diesel Engine ranging from 30 kVA to 160 kVA. The complete DG Set range is CPCB II Complaint & NAL (National Aerospace Agency) approved. Each Supernova Diesel Electric Genset is manufactured under stringent quality assurance process and undergoes in-house testing. Engine corresponds to ISO 3046, BS 5514 and DIN6271. The technical data applies to an engine operating on a fuel with a calorific value of 42.7 MJ/Kg (10200 Kcal/Kg) and a density of 0.86 Kg/Liter(7.01 LB/us gal). AC Generator performance corresponds to IS:13364 & IEC 60034-1.

Salient features:

- | 4 & 6 Cylinder In line upto 160 kva DG Set
- | Low Operating cost & Maintenance cost
- | Compact Size for easier transportation and installation
- | Higher Block loading Capability
- | Ready to Use
- | Suitable For Outdoor application
- | Reliable technology product : Value for Money
- | All Safety Features
- | Environment Friendly

Types for D.G. Sets

- | Silent D.G.Sets

Rating Guidelines:

Prime Power : Prime Power rating corresponds to ISO standard power for continuous operation,. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. This is as per ISO 8528.

Service Support:

- PAN India spares availability through strategically located stock points across the country.
- Services offered through a strong network of seven area offices and resident engineers located at Tier II and Tier III cities and through service dealers.

Warranty:

- All equipments have a warranty either against faulty workmanship or manufacturing defects for a period of 26 months from the date of dispatch or 24 months from the date of commissioning or 5000 operating hours, whichever occurs first. This warranty is back to back basis by respective engine and alternator manufacturers. This shall however exclude rubber parts and electrical gauges, faults due to mishandling, misuse or improper operation and maintenance.
- This warranty applies only if the services and spares during the warranty period and entrusted to Supernova Engineers Ltd. The warranty shall become null and void if the services and spares during the warranty are provided by any unauthorized vendor.

Standard Scope Comprising Of:

- Diesel Engine / AC Generator / base frame / Standard Control Panel / Radiator / Silencer / Battery & Battery Cables / AVMs / First Fill of Lub. Oil / First Fill of Coolant / D.G. Set Controller / Fuel Tank / Wiring Harness / Sensors

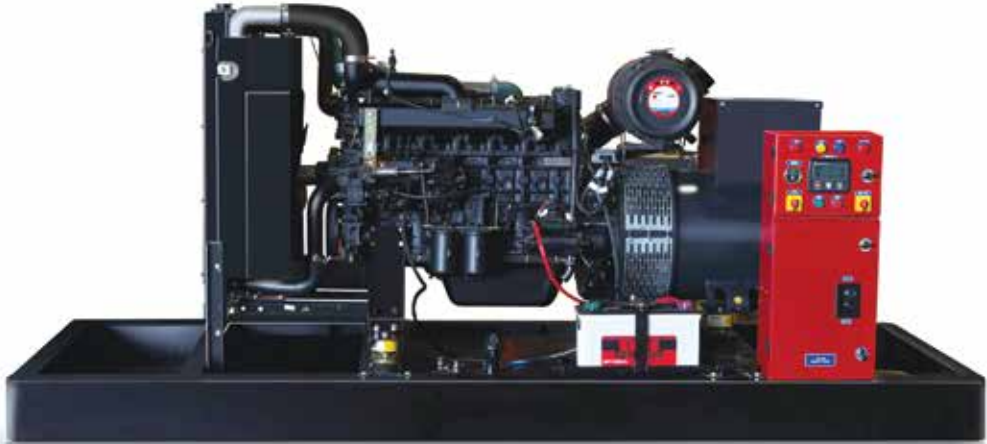
Options Available:

- | Electrical Options: AMF Panel
- | Controllers & Switchgears : Specific makes are available optionally.

Rating Table



SUPERNOVA DIESEL GENERATING SET POWERED BY EICHER								
Model		SVE 30	SVE 40	SVE 62.5	SVE 82.5	SVE100	SVE 125	SVE160
kVA/kWe		30(24)	40(32)	62.5(50)	82.5(66)	100(80)	125(100)	160(128)
DG SET	Duty	Prime						
	Frequency/ Speed	50 Hz/1500 RPM						
	Voltage/ No. of Phase	415 Volts /3 phase						
	Power Factor	0.8						
	Rated Current (Amps)	42	56	87	115	139	174	223
	Fuel tank capacity (Ltrs)	220	220	175	240	240	240	450
	Shipping Dimensions (L X W X H) in mm	2550x1000x1400		3000x1250x1580		3350x1250x1700		3800x1500x1860
	Engine Make	VE Commercial Vehicles (A Volvo Group & Eicher Motor JV)						
Engine Model	EE483TCI			EE683TCI		EE694TCI		
BHP	38	52	80	105	128	156	201	
No. of Cylinder	4			6				
Type of Fuel	High Speed Diesel (HSD)							
Cylinder Arrangement	Inline							
Type of cooling	Liquid cooled							
Bore x Stroke (mm)	100 x 105				100 x 120			
Compression Ratio	17:01				17.5:01			
Displacement(Ltrs)	3.3			4.9		5.7		
Governor	Mechanical				Mechanical/ Electronic		Electronic	
Aspiration	Turbo charged inter cooled							
Type of Lub. Oil	Eicher Premium API CI4 Plus - SAE 15W 40							
Oil sump capacity(ltrs)	11			14		21.8	23.8	
Lube oil change period	500 Hours / 12 Months				700 Hours / 12 Months			
Coolant capacity(ltrs)	15		17		20		24	24
Recommended Radiator Coolant Tvoe.	1:1 Glycol-water							
Engine starting system	12 V.DC							
No. of Battery	1							
Battery capacity	95AH			120AH		150AH		
ALTERNATOR	Make	Leroy Somer/ Crompton						
	Class of Insulation	Class H						
	Enclosure	IP 23						
	Voltage regulation	+/-1%						
	Overload capacity	10% overload for 1 Hour in every 12 hours of operation						
CONTROL PANEL	Metering	Voltage, Current, Frequency, RPM						
	Function	Start/Stop						
	Protections	Low lub. oil pressure, High water temperature, Auto shut down visual & alarm						
	Electrical Safeties	Over load & Short circuit						
	Location	Inbuilt in Canopy						



Authorised Dealer for :



Power Up

An ISO 9001 : 2015 Certified Company

SAI POWER

SALES & SERVICE

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