

SUPERNOVA
Eco Series

10 kVA TO 62.5 kVA



Authorised Sales Dealer :-

SAI POWER
SALES & SERVICE

SUPERNOVA



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Supernova Diesel Electric Gensets are powered by "ESCORTS" Diesel Engine ranging from 10 kVA to 62.5 kVA. The complete DG Set range is CPCB II Complaint & NAL (National Aerospace Laboratory) 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:

- | 2 to 4 Cylinders in Line up to 62.5 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
- | Higher Capacity Radiator for 50 Deg C operation

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

Types for D.G. Sets

- | Silent D.G.Sets

Options Available:

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

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.

Rating Table



SUPERNOVA DIESEL GENERATING SET (Powered by Escorts)									
	Model	SE 10	SE 15	SE 20	SE 25	SE 30	SE 40	SE 62.5	
DG SET	kVA/kWe	10 / 8	15 / 12	20 / 16	25 / 20	30 / 24	40 / 32	62.5 / 50	
	Duty	Prime							
	Frequency/ Speed	50 Hz/1500 RPM							
	Voltage/ No. of Phase	230 Volts / 1 phase & 415 Volts / 3 Phase							
	Power Factor	0.8							
	Rated Current (Amps)	13.9	20.85	27.8	34.8	41.7	55.6	87.6	
	Fuel tank capacity (Ltrs)	40 Ltrs	40 Ltrs	85 Ltrs	85 Ltrs	85 Ltrs	85 Ltrs	175 Ltrs	
	Shipping Dimensions (L X W X H) in mm	(1875 X 1000 X 1350) mm			(2150 X 1000 X 1450) mm			(2500 X 1000 X 1580) mm	
DIESEL ENGINE	Engine Make	ESCORTS							
	Engine Model	G12	G15 II	G20 II	G25 TCI	G30 TCI-II	G40 TCI	G62.5 TCI	
	BHP (Gross)	18	23	27.6	37	46	58	88	
	No. of Cylinder	2	2	3	3	3	4	4	
	Type of Fuel	High Speed Diesel (HSD)							
	Cylinder Arrangement	Inline							
	Type of cooling	Liquid cooled							
	Bore x Stroke (mm)	91 X 110 mm						98 X 122 mm	
	Compression Ratio	17.5 : 1							
	Displacement(Ltrs)	1.43 L	1.56 L	2.145 L	2.145 L	2.145 L	2.86 L	3.68 L	
	Governor	Mech / A1							
	Aspiration	Naturally Aspirated			Turbocharged & Intercooled				
	Type of Lub. Oil	SAE 15W 40 CI 4							
	Oil sump capacity(ltrs)	5.5 L		6.5 L			8.5 L		11 L
	Lube oil change period	500 Hours / 6 Months							
	Coolant capacity(ltrs)	7.1 L		10.9 L		14.5 L		16 L	16 L
	Recommended Radiator Coolant Type.	1:1 Glycol-water							
	Engine starting system	12 V.DC							
	No. of Battery	1 No.							
	Battery capacity	65AH			95AH				
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	Inside in Acoustic Enclosure							



Authorised Dealer for :



SAI POWER

SALES & SERVICE

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