

# **SUPERNOVA**

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## Eco Series

30 kVA TO 160 kVA



Powered By



VE COMMERCIAL VEHICLES

A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE

# SUPERNOVA



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 & NAE (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 IEC-34, IS-4722.

## 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

## 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
- | Trolley Mounted D.G. Sets

## Options Available:

- | Electrical Options: Auto Mains Failure
- | 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.

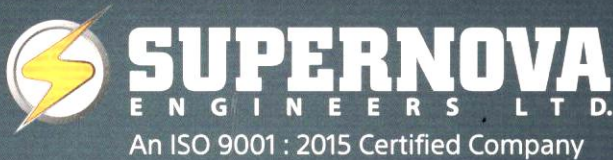


# Rating Table



SUPERNOVA DIESEL GENERATING SET POWERED BY EICHER									
Model	SVE 30	SVE 40	SVE 62.5	SVE 82.5	SVE100	SVE 125	SVE160		
DG SET	kVA/kW	30(24)	40(32)	62.5(50)	82.5(66)	100(80)	125(100)	160(128)	
	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	2500x1000x1400		3000x1150x1580		3350x1150x1700		3800 x 1500 x 1860	
DIESEL ENGINE	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	24	24	
	Recommended Radiator Coolant Type.	1:1 Glycol-water							
	Engine starting system	12 V.DC							
	No. of Battery	1							
	Battery capacity	88Ah			120Ah				
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							





#### REGISTERED OFFICE

#### SUPERNOVA ENGINEERS LIMITED

B Wing, F-2, First Floor, Shapath Hexa, Opp. Gujarat High Court,  
S.G.Highway, Ahmedabad – 380 060. Gujarat, INDIA.

Call - +91 79-66111136/37/38/39/40

Email : [marketing@supernovagenset.com](mailto:marketing@supernovagenset.com), [inquiry@supernovagenset.com](mailto:inquiry@supernovagenset.com)

Web - [www.supernovagenset.com](http://www.supernovagenset.com)

#### Branches

BENGALURU : #4C, 209, 4th Cross, East of NGEF, Kasturinagar, Bengaluru- 560 043, Tel.: 090356 60066

CHENNAI : 1B & 1C, Shivanandam Complex, 3rd Floor, Pulla Avenue, Thiru Vi Ka Park, Shenoyagar,  
Chennai - 600 030, Tel.: 094433 86416

COIMBATORE : No.81, Dr. Nanjappa Road, Chenny's Chamber, Coimbatore - 641 018, Tel.: 0422 4959414

DELHI/UP : B-220, Pacific Business Park, 37/1, Site-IV, Sahibabad Industrial Area,  
Ghaziabad, (UP) - 201 010 Tel.: 098181 17599

HYDERABAD : 6 & 7, Premises No. 1-7-319, 3rd Floor, Panchsheel Towers, Park Lane,  
Secunderabad - 500 003, Tel.: 099127 26415

MUMBAI : 204/205, Agarwal Arcade - VI, Nr. Juhinagar Railway Station, Sector-I, Nerul,  
Navi Mumbai-Pune Road, Navi Mumbai - 400 706 Tel.: 098797 18477

PATNA : B-22, Luv Kush Tower, Exhibition Road Crossing, Patna - 800 001, Tel.: 099343 60092

RANCHI : 502, Estate Plaza, Kantatoali, Old HB Road, Behind Mangal Tower, Ranchi - 834 001,  
Tel.: 099343 60092

#### MFG. FACILITIES

RAJPUR- : 1470/1, Village Rajpur, Tal, Kadi, Dist. Mehsana, North Gujarat,  
MEHSANA : Tel.: 7069004225 / 7069004226

SILVASSA : Survey No. 263/3/2/1, Silvassa Dadra Nagar Haveli. Tel.: 0260-2681069