

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, inquiry@supernovagenset.com

Web - www.supernovagenset.com

Branches

MUMBAI : G-Square Business Park, Office No. 1403, 14th Floor, Opp. Sanpada Railway Station,
Sector 30A, Vashi, Navi Mumbai - 400703.

BENGALURU : Unit 208, N-7, Level-2, Prestige Center Point, Edward Road, Vasant Nagar,
Bangaluru Urban, Karnataka – 560 052.

CHENNAI : Ground Floor & First Floor, No. 14, Om Sakthi Nagar, First Main Road,
Mettukuppam, Vanagaram, Chennai - 600095.

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

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

DELHI/UP : 702, 7th Floor, DLF Star Tower, Opp. Exit-8 on Delhi-Jaipur Highway, Sector-30,
Gurugram, Haryana-122002.

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

MFG. FACILITIES

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

SILVASSA : Survey No. 263/3/2/1, Silvassa Dadra Nagar Haveli

Authorised Dealer for :



SUPERNOVA Euro Series

750 kVA to 2500 kVA



Powered by
 **Perkins®**
Diesel Power

zero
compromise
decision

SUPERNOVA

Perkins®
Diesel Power

Supernova Diesel Electric Gensets are powered by Perkins Diesel Engine ranging from 400kVA to 2500kVA. Each Supernova Diesel Electric Genset is manufactured under stringent quality assurance process and undergoes in-house testing. Engine performance 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 and as per BS 2869 Part 2 1998 Class A2 or ASTM D975D2. AC Generator performance corresponds to IEC-34, IS-4722

The unmatched fuel efficiency and ease of maintenance are the key factors which makes them preferred choice of customers.

Salient features:

- | Market leading power density
- | No deration in power output up to 50 Deg. C.
- | In-line cylinder configuration engine up to 1125kVA (Prime)
- | Vee cylinder configuration engine up to 2250kVA (Prime)
- | Excellent Power to weight ratio
- | High block load capability due to split exhaust system.
- | Average loading of Engine is 80% as against industries standard up to 70-75%.
- | Commonality of component over the entire series of Engine.
- | Unit injection system with electronic governor to optimized fuel consumption.
- | Low Operating and maintenance cost
- | Service interval 500 hrs. / 1 Year
- | Coolant change interval 3 Years / 6000hrs.
- | Designed to provide excellent service access for Easy of Maintenance.
- | Compact size for easier transportation and installation.

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 Hardness / Sensors.

Types for D.G. Sets

- | Open Type D.G.Sets (above 1010 kVA)
- | Silent D.G. Sets (Mandatory up to 1000 kVA)
- | Containerized D.G. Sets



Options Available:

- | Voltage Options: 415 V / HT-3.3/6.6 /11 kv
- | Cooling Systems: Remote Radiator / Heat Exchanger
- | Electrical Options: Auto Mains Failure / Auto Synchronizing Panels / CRM / NIS / NGR/VCB
- | Standard Switchgear - L&T/Schneider, other makes can be offered on request
- | Standard Controllers - Woodward / DIEF / DeepSea, other makes can be offered on request

RATING GUIDELINES

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.

STAND BY POWER rating corresponds to ISO fuel stop power. It is applicable for supplying standby electrical power at variable load in area with well-established electrical networks, in the event of power failure. No overload capacity is available with this rating.

POWER STANDARDS

Engine Performance corresponds to ISO 3046, BS 5514, SAE J1349 and DIN 6271. 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 0.84 Kg/liter (7.01 lb/US gal). Engine speed governing is in accordance with ISO 3046, Class A1 and ISO 8528 Class G2.

*Technical Detail are subject to change if recommended by principal manufacturer.

Rating Table

"GENSET MODEL (4 stroke water cooled) (1500RPM (50Hz) 3 Ph., 415V, 0.8 PF)"	SP 750 EP	SP 810	SP 910	SP 1010	SP 1125/SP 1250 (S)*	
Rated kVA / Rated kW	750kVA / 600kWe	810kVA / 648kWe	910kVA / 728kWe	1010kVA / 808kWe	1125kVA / 900kWe 1250kVA / 1000kWe	
Engine Model	4006D-E23TAG2	4008D-E30TAG1	4008D E30TAG2	4008 30TAG2/4008 TAG2A	4008 30TAG3	
Engine Bhp	895	965	1071	1206	1336 / 1481	
No. of Cylinder & Arrangement	6 VERTICAL IN-LINE			8 VERTICAL IN-LINE		
Governor	ELECTRONIC					
Fuel System	DIRECT INJECTION SYSTEM WITH UNIT INJECTORS					
Bore X Stroke (mm x mm)	160 x 190					
Compression Ratio	12.8:1			13:1		
Starting System	24V DC ELECTRIC					
Lead Acid TYPE Battery	2 Nos. 180 AH					
Fuel day Tank Capacity (Ltrs)	990					
Coolant Capacity incl.Radiator (Ltrs)	120					143
Lube.Oil Capacity incl.Oil Filters (Ltrs)	113.4					153
Lube.Oil Specification	API CI4 15W/40					
Bare D.G. Set Dimen. (LxWxH) in mm				NA	4700 x 2100 x 2560	
Dry Weight (Approx.) DG Set Only (in kgs)				NA	8500	
Overall D.G. Set Dimen. (LxWxH) in mm	7000 x 2150 x 2518		7200 x 2600 x 2950			
Total Wgt. incl. (Appr.) Acou. Encl. (in kgs)	10500		12500			

"GENSET MODEL (4 stroke water cooled) (1500RPM (50Hz) 3 Ph., 415V, 0.8 PF)"	SP 1250	SP 1500	SP 1700	SP 1850	SP 2000	SP 2250	SP 2500 (S)*
Rated kVA / Rated kW	1250kVA / 1000kWe	1500kVA / 1200kWe	1700kVA / 1360kWe	1850kVA / 1480kWe	2000kVA / 1600kWe	2250kVA / 1800kWe	2500kVA / 2000kWe
Engine Model	4012-46TAG0A	4012-46TAG2A	4012-46TAG3A	4016-61TRG1	4016-61TRG2	4016-61TRG3	4016-61TRG3
Engine Bhp	1497	1785	2006	2208	2377	2647	2925
No. of Cylinder & Arrangement	12VEE			16VEE			
Governor	ELECTRONIC						
Fuel System	DIRECT INJECTION SYSTEM WITH UNIT INJECTORS						
Bore X Stroke (mm x mm)	160 x 190						
Compression Ratio	13.6:1			13:1			
Starting System	24V DC ELECTRIC						
Lead Acid TYPE Battery	4 Nos. 180 AH						
Fuel day Tank Capacity (Ltrs)	990						
Coolant Capacity incl.Radiator (Ltrs)	210			550			
Lube.Oil Capacity incl.Oil Filters (Ltrs)	177			213			
Lube.Oil Specification	API CI4 15W/40						
Bare D.G. Set Dimen. (LxWxH) in mm	5400 x 2200 x 2650			5800 x 3000 x 3400			
Dry Weight (Approx.) DG Set Only (in kgs)	11700	12000	12400	16500	17500	17900	18900
Overall D.G. Set Dimen. (LxWxH) in mm	9112 x 2600 x 3760			10363x3300x3200	10363x3300x3945	10363 x 3300 x 4340	
Total Wgt. incl. (Appr.) Acou. Encl. (in kgs)	19000	19300	24200	26400	27460	29630	30000

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.

NOTE: CONTINUOUS DEVELOPMENTS IN THE PRODUCT ENTITLES US TO CHANGE TECHNICAL SPECIFICATIONS, DIMENSIONS, SCOPE OF WORK ETC.

*DG SET ARE STAND BY RATED. STAND BY MODEL ARE ALSO AVAILABLE IN OTHER RATINGS. PLEASE CONTACT US FOR MORE DETAILS.