

# GLOBAL PRODUCTS

## SUPERNOVA | VOLVO PENTA

Supernova Diesel Electric Gensets are powered by imported Swedish make Volvo Penta Diesel Engines ranging from 85 kVA to 700 kVA. 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 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 0.86 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:

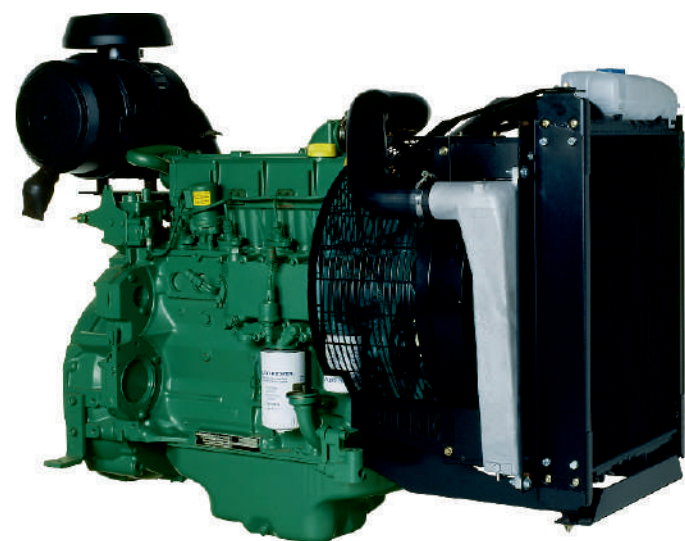
- | In line cylinder arrangement across the full range
- | Low Operating Cost & Maintenance Cost
- | Compact Size for Easier Transpiration and Installation
- | High Block Loading Capability
- | Full Authority Electronic Engine Management System
- | Highly Reliable & Highly Fuel Efficient
- | Liner Load v/s SFC Curve- Substantial Fuel Saving on Part Load
- | Excellent Power to Weight Ratio
- | Low Vibrations & Emissions
- | Overhead Camshaft : Accurate Valve Timing and Less Moving Part

### Types for D.G. Sets

- | Open Type D.G. Sets
- | Silent D.G. Sets ( Acoustically treated)
- | Containerized D.G. Sets (Acoustically treated)

### 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:

- | Voltage Options: 380 volts (LT) / 12 Terminals Re connectible
- | Cooling Systems: Remote Radiator / Heat Exchanger
- | Electrical Options: Auto Mains Failure / Auto Synchronizing Panels, Load sharing Panels and other systems as per specific requirements
- | 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 Table

RADIATOR COOLED PRIME POWER 1500RPM (50Hz) 3 Ph., 415V, 0.8 PF					Shipping Dimensions (Acoustic Enclosure)		
GENSET MODEL	ENGINE MODEL	BHP	Rated kVA	Rated kW	Length	Width	Height
SV 85	TAD 530 GE	102	85	68	3350	1150	1770
SV 100	TAD 531 GE	120	100	80	3350	1150	1770
SV 125	TAD 532 GE	154	125	100	3350	1150	1770
SV 150	TAD 731 GE	180	150	120	3800	1500	1900
SV 180	TAD 732 GE	220	180	144	3800	1500	1900
SV 200	TAD 733 GE	238	200	160	3800	1500	1900
SV 250	TAD 734 GE	295	250	200	3800	1500	1900
SV 320	TAD 1341 GE	374	320	256	4500	1800	2160
SV 350	TAD 1342 GE	412	350	280	4500	1800	2160
SV 380	TAD 1343 GE	442	380	304	4500	1800	2160
SV 415	TAD 1344 GE	481	415	332	4500	1800	2160
SV 450	TAD 1345 GE	528	450	360	4500	1800	2160
SV 500	TAD 1641 GE	585	500	400	5550	2000	2340
SV 590	TAD 1642 GE	684	590	472	5550	2000	2340
SV 630	TWD 1643 GE	729	630	504	5550	2000	2340
SV 650	TWD 1644 GE	754	650	520	5550	2000	2340
SV 700	TWD 1645 GE	809	700	560	7000	2150	2520

RADIATOR COOLED STAND BY POWER 1500RPM (50Hz) 3 Ph., 415V, 0.8 PF					Shipping Dimensions (Acoustic Enclosure)		
GENSET MODEL	ENGINE MODEL	BHP	Rated kVA	Rated kW	Length	Width	Height
SV 94(S)	TAD 530 GE	113	94	76	3350	1150	1770
SV 110(S)	TAD 531 GE	131	110	87	3350	1150	1770
SV 140(S)	TAD 532 GE	169	140	112	3350	1150	1770
SV 165(S)	TAD 731 GE	197	165	132	3800	1500	1900
SV 200(S)	TAD 732 GE	243	200	160	3800	1500	1900
SV 225(S)	TAD 733 GE	265	225	180	3800	1500	1900
SV 275(S)	TAD 734 GE	325	275	220	3800	1500	1900
SV 350(S)	TAD 1341 GE	411	350	280	4500	1800	2160
SV 385(S)	TAD 1342 GE	453	385	308	4500	1800	2160
SV 415(S)	TAD 1343 GE	484	415	332	4500	1800	2160
SV 450(S)	TAD 1344 GE	529	450	360	4500	1800	2160
SV 500(S)	TAD 1345 GE	586	500	400	4500	1800	2160
SV 550(S)	TAD 1641 GE	643	550	440	5550	2000	2340
SV 650(S)	TAD 1642 GE	753	651	521	5550	2000	2340
SV 700(S)	TWD 1643 GE	811	700	560	5550	2000	2340
SV 715(S)	TWD 1644 GE	828	715	572	5550	2000	2340
SV770(S)	TWD 1645 GE	890	770	616	7000	2150	2520

### 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.

### 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 is available with this rating.

### Service Support:

The warranty services shall be offered through authorized Volvo Penta dealers in the respective areas as per the standard procedure of Volvo Penta.

### Warranty:

All equipment have a warranty either against faulty workmanship or manufacturing defects for a period of 15 months from the date of dispatch or 12 months from the date of commissioning for unlimited number of hours. This warranty is back to back basis from our respective engine and A.C. Generator manufacturers. This shall however exclude rubber parts and electrical gauges, faults due to mishandling, misuse or improper operation and maintenance.



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