

INDUSTRIES CATERED



Bank



Corporate



Government



Hotel



Industry



Data Centre



Infrastructure



Information Technology



Manufacturing



Telecom



Hospital



REGISTERED OFFICE : SUPERNOVA ENGINEERS LIMITED

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BRANCHES (INDIA)

: BENGALURU | CHENNAI | COIMBATORE | DELHI/UP | HYDERABAD
MUMBAI | PATNA | RANCHI

MFG. FACILITIES

: RAJPUR - MEHSANA (GUJARAT)

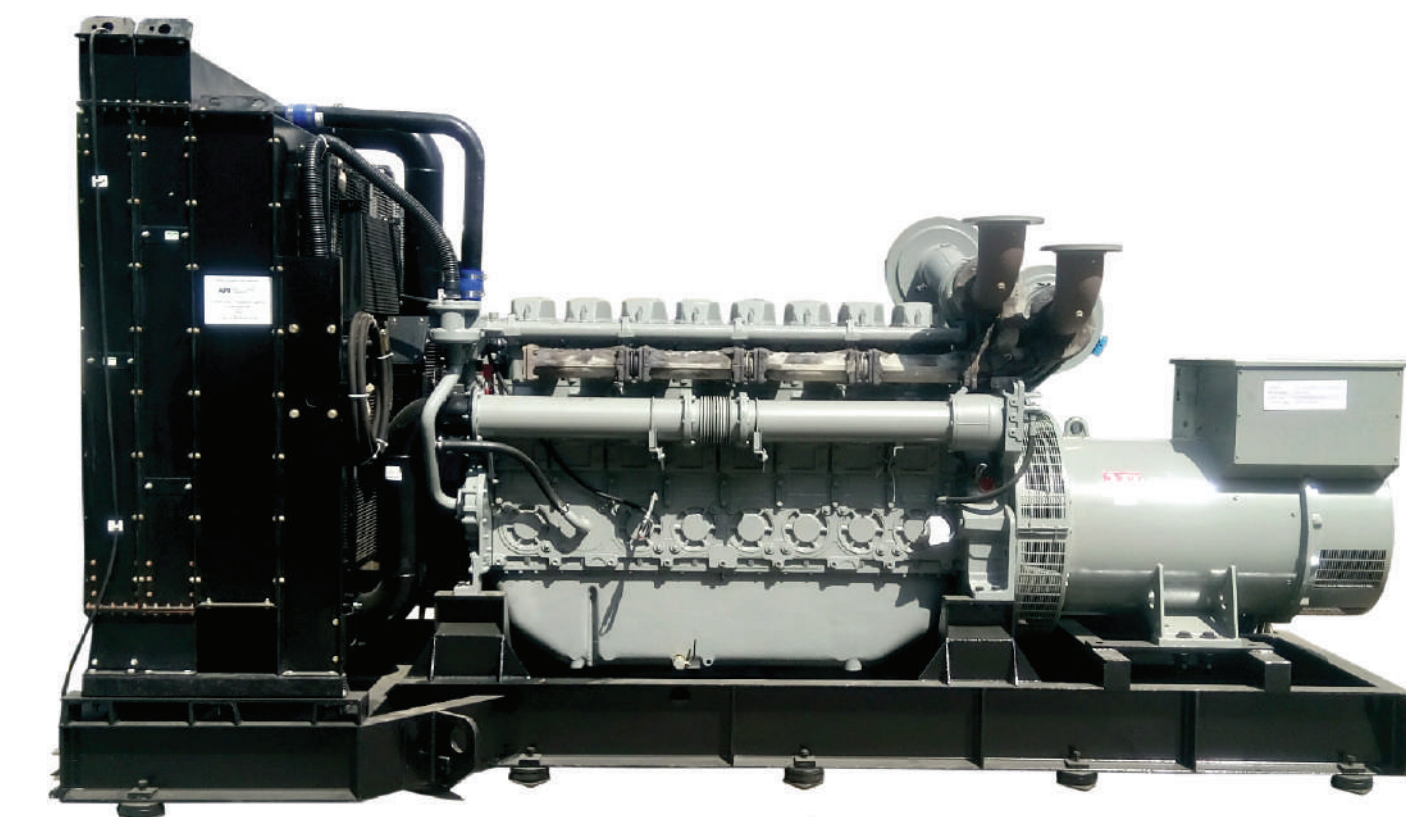
SILVASSA - 100% EXPORT ORIENTED UNIT (UT)

SUPERNOVA

Perkins®

9kVA to 2250 kVA

22500 kVA when paralleled



Powered by
Perkins®
Diesel Power

zero
compromise
decision

GLOBAL PRODUCTS

SUPERNOVA

Supernova Diesel Electric Gensets are powered by Perkins Diesel Engine ranging from 9 kVA to 2250 kVA. 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/Litre and as per BS 2869 Part 2 1998 Class A2 or ASTM D975D2. AC Generator performance corresponds to IEC-34, IS-4722

Salient features:

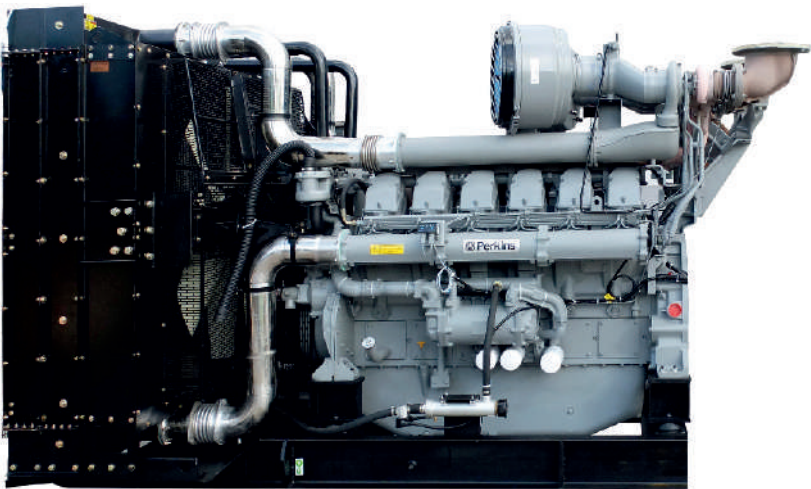
- I Six Cylinder in Line upto 750 & 800 kVA, eight Cylinder Inline for 1010 kVA
- I Twelve Cylinder VEE Engine from 1250 kVA to 1700 kVA D.G. Set application
- I Compact Size for Easier Transportation and Installation
- I High Block Loading Capability
- I Commonality of Components Over the Entire Series of Engines
- I Low Operating and Maintenance cost
- I Excellent Power to Weight Ratio
- I Designed to Provide Excellent Service Access for Ease of Maintenance

Types for D.G. Sets

- I Open Type D.G. Sets
- I Silent D.G. Sets (Acoustically treated)
- I 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:

- I Voltage Options: LT-380/415 V / HT-3.3/6.6 /11 kv
- I Cooling Systems: Remote Radiator / Heat Exchanger
- I Electrical Options: Auto Mains Failure / Auto Synchronizing Panels / CRM / NIS / NGR/VCB
- I Standard Switchgear- L&T/Schneider, other makes can be offered on request
- I 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
SP 9	403A-11G1	11.5	9	7.2	2000	1000	1348
SP 15	403A-15G2	18	15	12	2000	1000	1348
SP 20	404A-22G	25	20	16	2000	1000	1348
SP 20	404D-22G	25.1	20	16	2000	1000	1348
SP 30	1103A-33G	37.8	30	24	2750	1150	1665
SP 45	1103A-33TG1	56.6	45	36	2750	1150	1665
SP 60	1103A-33TG2	73.7	60	48	2750	1150	1665
SP 80	1104A-44TG2	98	80	64	3350	1150	1770
SP 100	1104C-44TAG2	125.5	100	80	3350	1150	1770
SP 135	1106A-70TG1	164.5	135	108	3800	1500	1900
SP 150	1106A-70TAG2	182.4	150	120	3800	1500	1900
SP 200	1106A-70TAG4	239.8	200	160	3800	1500	1900
SP 250	1506A-E88TAG3	344	200	160	4100	1650	1900
SP 300	1506A-E88TAG5	412	200	160	4500	1800	2160
SP 400	2206A-E13TAG3	493	400	320	5000	2000	2235
SP 500	2506A-E15TAG2	605	500	400	5550	2000	2340
SP 600	2806A-E18TAG1A	721	600	480	5550	2000	2340
SP 650	2806A-E18TAG2	783	650	520	5550	2000	2340
SP 750	4006-23TAG2A	882	750	600	7000	2150	2520
SP 800	4006-23TAG3A	945	800	640	7000	2150	2520
SP911	4008 TAG1A	1080	911	728	7200	2150	2520
SP 900	4008-30TAG1	1080	900	720	7200	2150	2520
SP 1010	4008-30TAG2	1206	1010	808	7200	2250	2520
SP 1022	4008-TAG 2A	1206	1022	818	7200	2150	2520
SP 1125	4008-30TAG3	1270	1125	900	7200	2250	2520
SP 1250	4012-46 TWG2A	1492	1250	1000	12192	2438	2895
SP 1250	4012-46 TAG0A	1497	1250	1000	12192	2438	2895
SP 1364	4012-46 TAG1A	1625	1364	1091	12192	2438	2895
SP 1364	4012- 46 TWG3A	1618	1364	1091	12192	2438	2895
SP 1500	4012-46 TAG2A	1785	1500	1200	12192	2438	2895
SP 1500	4012- 46 TWG4A	1762	1500	1200	12192	2438	2895
SP 1700	4012-46 TAG3A	2006	1700	1360	12192	2438	2895
SP 1850	4016-61 TRG1	2208	1850	1480	12192	2438	2895
SP 2000	4016-61 TRG2	2377	2000	1600	12192	2438	2895
SP 2250	4016-61 TRG3	2647	2250	1800	12192	2438	2895

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
SP 825(S)	4006-23 TAG2A	967	825	660	7000	2150	2520
SP 900 (S)	4006-23TAG3A	1054	900	720	7000	2150	2520
SP 1000 (S)	4008-30TAG1	1408	1000	800	7000	2150	2520
SP 1002 (S)	4008 TAG1A	1183	1002	802	7000	2150	2520
SP 1125 (S)	4008-TAG 2A	1321	1125	900	7200	2150	2520
SP 1125 (S)	4008-30TAG2	1321	1125	900	7200	2150	2520
SP 1250(S)	4008-30TAG3	1408	1200	1000	7200	2150	2520
SP 1375 (S)	4012-46 TAG0A	1638	1375	1100	12192	2438	2895
SP 1385 (S)	4012-46 TWG2A	1641	1385	1108	12192	2438	2895
SP 1500(S)	4012-46 TAG1A	1780	1500	1200	12192	2438	2895
SP 1500(S)	4012-46 TWG3A	1772	1500	1200	12192	2438	2895
SP 1650 (S)	4012-46 TAG2A	1957	1650	1320	12192	2438	2895
SP 1600(S)	4012-46TWG4A	1931	1600	1280	12192	2438	2895
SP 1880(S)	4012-46 TAG3A	2203	1880	1504	12192	2438	2895
SP 2000(S)	4016-61 TRG1	2377	2000	1600	12192	2438	2895
SP 2250(S)	4016-61 TRG2	2659	2250	1800	12192	2438	2895
SP 2500(S)	4016-61 TRG3	2925	2500	2000	12192	2438	2895

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 Perkins dealers in the respective areas as per the standard procedure of Perkins India Pvt. Ltd.

Warranty: 400 Series/1100 Series/ 2000Series

All equipment has 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 principals, engine and alternator manufacturers. This shall however exclude rubber parts and electrical gauges, faults due to mishandling, misuse or improper operation and maintenance

Warranty: 4000Series

All equipment has 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 6000 hours whichever is earlier. This warranty is back to back basis from our respective principals, engine and alternator 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.