



Perkins Powered Diesel Engine Coupled to Leroy Somer Alternator, Fully Designed & Manufactured in The United Kingdom Controlled by a DSE 6120 MKII Auto Start Digital ATS/AMF Controller Built to high quality UK and & EU Standards. Designed to Perform. Built to Last

380 - 415V | 1500 RPM | 50Hz | P.F 0.8



Representative PPG image; legacy configuration may differ.

Model	Perkins	Cylinders	Leroy Somer	Deepsea	PRP	ESP	Consumption	Phase
PL650	2806A-E18TAG2	6 inline - Turbo	TAL047F	DSE 6120 MKII	645 kVA / 516 kW	710 kVA / 568 kW	132 l/h	3
PL700	2806A-E18TTAG4	6 inline - Turbo	TAL049B	DSE 6120 MKII	700 kVA / 560 kW	770 kVA / 616 kW	147 l/h	3
PL745	4006-23TAG2A	6 inline - Turbo	TAL049C	DSE 6120 MKII	745 kVA / 596 kW	815 kVA / 652 kW	155 l/h	3
PL750	2806A-E18TTAG5	6 inline - Turbo	TAL049C	DSE 6120 MKII	750 kVA / 600 kW	825 kVA / 660 kW	162 l/h	3
PL800	4006-23TAG3A	6 inline - Turbo	TAL049C	DSE 6120 MKII	800 kVA / 640 kW	890 kVA / 712 kW	172 l/h	3
PL1000	4008TAG2A	8 inline - Turbo	TAL049E	DSE 6120 MKII	1000 kVA / 800 kW	1100 kVA / 880 kW	210 l/h	3
PL1100	4008-30TAG3	8 inline - Turbo	LSA502M6	DSE 6120 MKII	1125 kVA / 900 kW	1250 kVA / 1000 kW	244 l/h	3
PL1250	4012-46TWG2A	V12 - Turbo	LSA502M6	DSE 6120 MKII	1250 kVA / 1000 kW	1375 kVA / 1100 kW	259 l/h	3

Engines

PPG Generators provides industrial diesel engines that meet ISO 8528 and ISO 3046 specifications. These engines are designed for heavy-duty applications, offering low fuel consumption and precise speed adjustment and regulation. They are equipped with mechanical or electronic governors mounted on the fuel pump and are available with oil, air, or water cooling systems to suit specific operational requirements. The engines are built with robust oil, fuel, and air filtration systems tailored for demanding operational conditions, ensuring long life and high performance. They are 4-stroke, direct-injection engines with all necessary limit and level sensors for safe operation. Engines designed exclusively for standby use are excluded from the production portfolio.

Alternators

PPG Generators incorporates original European-brand alternators in its generator sets, fully complying with international standards such as IEC 60034-1, ISO 8528-3, EN 55011, BS 4999-5000, and VDE 0530. These alternators deliver high efficiency and superior performance under all conditions and are certified to meet global quality standards.

Cooling Systems

Radiators in PPG Generators are selected from original options or approved vendor lists of engine manufacturers. These radiators are designed to optimise usability, spare part availability, high performance, and maximum efficiency.

Canopy & Base Frames

PPG Generators manufactures Canopies & frames for all generator sets based on international standards. The base frames are designed and constructed using plate panels or profiles to ensure high resistance to vibration and stresses, providing long-lasting durability. Canopy is manufactured from galvanised steel that has features and durability with state of the art accuvents. Thanks to its rigid structural design and anti-vibration mounts, it reduces vibration and noise level to minimum. All base frames contain lifting points and forklift pockets to make transportation and positioning easy. With integrated fuel tank

DeepSea Electronics DSE6120 MKII Auto Start ATS/AMF Controllers

parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem). The DSE 6120 MKII is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. Monitoring an extensive number of engine



Canopy Dimensions	Length [mm]	Width [mm]	Hight [mm]	Weight [kg]	Fuel Capacity [LT]	+/- Sound Level [dBA]
PL650	5070	1620	2840	5800	1539	71.1 dBA - 7m
PL700	5070	1620	2840	5800	1539	71.1 dBA - 7m
PL745	6620	2200	2500	8200	1770	71.1 dBA - 7m
PL750	5070	1620	2840	5800	1539	71.1 dBA - 7m
PL800	6620	2200	2500	8200	1770	71.1 dBA - 7m
PL1000	8950	2570	2990	10000	Optional	71.1 dBA - 7m
PL1100	40ft	ISO	Container	N/A	Optional	71.1 dBA - 7m
PL1250	40ft	ISO	Container	N/A	Optional	71.1 dBA - 7m

Documentation

PPG Generators provides comprehensive documentation with every generator set, including:

- Maintenance and operation manual
- Engine and alternator manuals
- Controller usage and maintenance booklet

Warranty

The warranty period for PPG Generators begins on the invoice date and covers up to **1 year or 1,000 operational hours**, whichever comes first.

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