



Perkins Powered Diesel Generator Set



Fully Designed & Manufactured in The United Kingdom - Perkins Diesel Engine Coupled to Leroy Somer Alternator, Controlled by DSE Auto Start Digital Controller Built in to High Quality British Made Sound & Weather Proof Enclosure.

3~ |50hz | 400V | 1500 RPM | PF 0.8

Model	Perkins	Leroy Somer	Deepsea	AMPS	Prime PRP	Standby ESP	Phase
PL65S	1104A-44TG1	TAL044A	DSE 6120	99	65.0 kVA	72.2 kVA	3 ~
PL80S	1104A-44TG2	TAL044B	DSE 6120	122	80.0 kVA	88.0 kVA	3 ~
PL100S	1104C-44TAG2	TAL044D	DSE 6120	152	100.0 kVA	110.5 kVA	3 ~
PL135S	1106C-70TG1	TAL044H	DSE 6120	205	135.0 kVA	150.0 kVA	3 ~

PWRBOX power pack range of diesel generator sets are designed to power your every need. With an enhanced choice of power nodes, this range is engineered for optimum performance in diverse applications including construction, residential, retail and telecommunications. The three levels of sound attenuated enclosures offer super silent running which is ideal in residential locations.

Powered By

Perkins Diesel Power



The PWRBOX sound attenuated enclosures reduce sound levels to comply with the stage 2 levels of the European Community Directive 2000/14/EC

Canopy Sound Levels	100% @ 1m	100% @ 7m	100% @ 15m
Levels	84.6 dBA	72.9dBA	66.1 dBA

Radio interference suppression that meets or exceeds EU standard EN61000-6. Voltage regulation at steady state.

PWRBOX Standard Canopies default features

Our acoustic enclosures ensure optimum performance in the most remote locations. Extremely durable and robust, the galvanised enclosures are designed to resist corrosion and handling damage with the ability to withstand rough handling common on many construction sites.

Designed and developed by our specialist engineers the enclosures are available with three levels of sound performance dependant upon your site requirements. All enclosures are weather resistant and incorporate internally mounted exhaust silencers.

Dual side access is provided for fuel filter, oil filter and coolant, ensuring minimal maintenance time and maximum generator set operation. The fuel fill and gauge are positioned together on the side of the fuel tank for easy fill and monitoring. This range of enclosures offer excellent service and maintenance access. The control panel tower mounted on the side of the generator set is accessed via the dedicated door, allowing access to the control panel including all components and wiring. Side hinged doors open to 180°, the enclosure provides optimal access for all servicing and maintenance tasks.

Robust electrical components including relays, AVR and MCB's are grouped and centralised within the control panel. They are easily accessed through a lockable side hinged door. Cable access is gained directly underneath the control panel for ease of installation.

Canopied Dimensions

Model	Length	Width	Hight	Weight	Fuel Tank	Consumption
PL65S	2769 mm	755 mm	1432 mm	1366 kg	200 Ltrs	11.20L Per Hour @ 75% Load
PL80S	1718 mm	755 mm	1432 mm	1389kg	200 Ltrs	14.00L Per Hour @ 75% Load
PL100S	2060 mm	775 mm	1544 mm	1607 kg	200 Ltrs	17.00L Per Hour @ 75% Load
PL135S	3624 mm	998 mm	1938 mm	1918 kg	380 Ltrs	22.07L Per Hour @ 75% Load

Base Frame & Fuel Tank

The skid base frame provides forklift access points as standard, reducing the risk of damage during transportation and installation. Fuel tanks are offered from 8 hours running at full load in prime applications up to large 24hr extended tanks.

Control Panel



Deep Sea digital control panel, provides simple, intuitive control of your generator set. Key information including diagnostics, is displayed via the LCD screen and LED's using universally recognised symbols.

Based on the proven UK made Perkins diesel engine, coupled to a Stamford alternator, The UK made Deep Sea series controller gives outstanding monitoring and features. Deep Sea Control modules are a “must have” feature for all segments of the generator market as it includes a wide range of configurable options and extension modules to meet every requirement.

With a huge range of options and accessories, alternative and custom builds we offer a unit to suit your requirements. Upgrade controllers for enhanced metering, remote monitoring and synchronising control. We offer synchronising systems for up to 32 generators and mains synchronising for peak lopping, no break return and STOR applications.

Prime Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

Documentation

Operation and maintenance manual including circuit wiring diagrams.

Warranty

Canopy Warranty by PWRBOX, No quibble warranty on canopy panels in first 12 months - Transportation Damage does not qualify.

Engine Warranty by Perkins International: https://www.perkins.com/en_GB/aftermarket/warranty.html

Alternator Warranty by Stamford AVK Global, <https://www.stamford-avk.com/service/warranty>

Controller: Deep Sea control modules which are replaced FOC if failed within a period of 12 month.

Together We Keep Your World Powered



Dealer Contact Details

Disclaimer:

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PWRBOX Generators Limited | Registered Address: Tern Valley Business Park, TF9 3SQ, United Kingdom | Email: sales@pwrboxgenerators.com | Telephone: +44 (0)121 716 1500 | Website: www.pwrboxgenerators.com | UK Company Registration No: 13312378 | VAT Registration No: 397143371