



PERKINS GENERATOR SPECIFICATIONS

MANUFACTURED



IN THE UK



www.excelpowerltd.co.uk

About Excel Power

- Excel Power Generators design and construction draws upon over 30 years of generator industry experience and are manufactured to our high standards.
- All Excel Power Generators are designed and manufactured here in the UK and this gives you the peace of mind that support is never far away. Sourcing equipment as locally as possible is always promoted but the best components for the project are always chosen.
- Excel Power Generators are a fully UKAS Accredited Quality Assured ISO9001:2015 company and also operates a strict ISO14001 Environmental Policy.



About Perkins

"Perkins has a history stretching back more than 85 years and is one of the world's leading providers of engines for diesel generators. Perkins aims to set standards of engineering excellence, providing the most comprehensive range of innovative and reliable power solutions, tailored to meet the precise requirements of their customers.

They are proud of their reputation as a socially responsible company, enhancing the lives not just of our employees but of the communities in which they work. The Perkins mission statement sets out their business philosophy: 'We create value for our customers and distributors by providing competitive and dependable industrial power solutions.'

The Perkins engine range has become a famous UK brand in the diesel generator industry and is specified by leading consultants when only the best and most reliable will do."






Canopy Design

- ✓ Canopy Panels made from 2mm zinc coated mild steel and finished with a clean white powder coat finish.
- ✓ Fully lockable door with retained catches.
- ✓ Security bolts to prevent unauthorised access.
- ✓ External Emergency Stop Button as standard.
- ✓ High quality ergonomically designed adjustable handles.
- ✓ Large removable doors for excellent access.
- ✓ Black Zinc die cast hinges on doors, tested and proven to withstand extremely corrosive conditions.
- ✓ External access to radiator filler intake.
- ✓ Integral fork pockets for easy positioning on site.
- ✓ Large fuel tanks as standard for long periods between refills.
- ✓ Bases are constructed from 4mm Mild Steel, finished with a textured black powder coat.



Perkins generator model	Prime kVA / KW	Standby kVA / kw	Engine	Noise level at 7m	Canopy Style	Fuel tank capacity	Fuel consumption**	Dimensions	Weight	Available without canopy?
XL9P	9.5kVA 6.8kw	9.4kVA 7.5kw	403A-11G1	66dB(A)	 <p>Canopy XL1600</p>	65 Litres	2 litres / hr	1680 x 758 x 1235	429kg	Yes
XL13P	12.5kVA 10kw	13.8kVA 11kw	403A-15G1	69dB(A)		65 Litres	2.75 litres / hr	1680 x 758 x 1235	458kg	Yes
XL15P	14.4kVA 11.5kw	15.8kVA 12.7kW	403A-15G2	68dB(A)		65 Litres	3.11 litres / hr	1680x 758 x 1235	458kg	Yes
XL20P	19.6kVA 15.7kW	21.6kVA 17.3kW	404A-22G	69.2dB(A)		65 Litres	4 litres / hr	1680 x 758 x 1235	488kg	Yes
XL30P	30kVA 24kW	33kVA 26kW	1103A-33G	70.2dB(A)	 <p>Canopy XL2100</p>	260 litres	5.65 litres / hr	2280 x 1104 x 1673	914kg	Yes
XL45P	45kVA 36kW	50kVA 40kW	1103A-33TG1	70.3dB(A)		260 litres	5.8 litres / hr	2280 x 1104 x 1673	1111kg	Yes
XL60P	60kVA 48kW	63kVA 51kW	1103A-33TG2	70.5dB(A)		260 litres	10.8 litres / hr	2280 x 1104 x 1673	1137kg	Yes
XL65P	65kVA 52kW	72kVA 57.5kW	1104A-44TG1	71.1dB(A)		260 litres	11.20 litres / hr	2280 x 1104 x 1673	1206kg	Yes
XL80P	80kVA 65kW	89kVA 71kW	1104A-44TG2	71.5dB(A)		260 litres	14 litres / hr	2280 x 1104 x 1673	1252kg	Yes
XL100P	100kVA 80kW	110kVA 88kW	1104C-44TAG2	72.4dB(A)		260 litres	17 litres / hr	2280 x 1104 x 1673	1312kg	Yes

Perkins generator model	Prime kVA / KW	Standby kVA / kw	Engine	Noise level at 7m	Canopy Style	Fuel tank capacity	Fuel consumption**	Dimensions	Weight	Available without canopy?
XL135P	136kVA 108kw	150kVA 120kW	1106A-70TG1	68.7dB(A)	 <p>Canopy XL2400</p>	425 litres	22.7 litres / hr	3200 x 1131 x 1787	2248kg	Yes
XL150P	150kVA 120kW	166kVA 133kW	1106A-70TAG2	69.5dB(A)		425 litres	24.7 litres / hr	3200 x 1131 x 1787	2274kg	Yes
XL180P	183kVA 147kW	204kVA 163kW	1103A-70TAG3	69.9dB(A)		425 litres	32 litres / hr	3200 x 1131 x 1787	2300kg	Yes
XL200P	200kVA 160kW	220kVA 176kW	1106A-70TAG4	70.1dB(A)		425 litres	34.7 litres / hr	3200 x 1131 x 1787	2300kg	Yes
XL225P	225kVA 180kW	250kVA 200kW	1206A-E70TTAG1	70.2dB(A)	 <p>Canopy XL2800</p>	480 litres	38 litres / hr	3558 x 1454 x 2018	2583kg	Yes
XL250UEP	250kVA 200kW	275kVA 220kW	1206A-E70TTAG3	70.3dB(A)		480 litres	41.2 litres / hr	3558 x 1454 x 2018	2590kg	Yes
XL300P	310kVA 248kW	340kVA 272kW	1506A-E88TAG5	72dB(A)		480 litres	48.2 litres / hr	3558 x 1454 x 2515	2600kg	Yes

Perkins generator model	Prime kVA / KW	Standby kVA / kw	Engine	Noise level at 7m	Canopy Style	Fuel tank capacity	Fuel consumption**	Dimensions	Weight	Available without canopy?
XL350P	355kVA 284kW	407kVA 325kW	2206A-E13TAG2	69.7dB(A)	 <p>Canopy XL5100</p>	1300 Litres	54 Litres / hr	4908 x 2164 x 2515	5191kg	Yes
XL400P	406kVA 325kW	456kVA 365kW	2206A-E13TAG3	69.7dB(A)		1300 Litres	62 litres / hr	4908 x 2164 x 2515	5327kg	Yes
XL450P	450kVA 360kW	500kVA 400kW	2506A-E15TAG1	69.8dB(A)		1300 Litres	72 Litres / hr	4908 x 2164 x 2515	5489kg	Yes
XL500P	500kVA 400kW	563kVA 450kW	2506A-E15TAG2	70.5dB(A)		1300 Litres	76 Litres / hr	4908 x 2164 x 2515	5692kg	Yes
XL600P	610kVA 488kW	665kVA 532kW	2806A-E18TAG1A	68.7dB(A)		1300 Litres	90 Litres / hr	4908 x 2164 x 2515	6318kg	Yes
XL660P	670kVA 536kW	723kVA 578kW	2806A-E18TAG2	69.5dB(A)		1300 Litres	99 Litres / Hr	4908 x 2164 x 2515	6460kg	Yes
XL700P	702kVA 561kW	775kVA 620kW	2806A-E18TTAG4	69.9dB(A)		1300 Litres	108 Litres / Hr	4908 x 2164 x 2515	6590kg	Yes
XL770P	764kVA 611kW	844kVA 675kW	2806A-E18TTAG5	70.1dB(A)		1300 Litres	118 Litres / hr	4908 x 2164 x 2515	6950kg	Yes

Generator Features

✓ High Quality Canopy	STANDARD
✓ External Emergency Stop	STANDARD
✓ Anti-vibration mounts	STANDARD
✓ Easy Access Servicing Doors	STANDARD
✓ Single Skin Base Tank	STANDARD
✓ Manufactured in the UK	STANDARD
✓ Radiator Guarding	STANDARD
✓ Exhaust Lagging	STANDARD
✓ Exhaust Rain Flap	STANDARD
✓ ISO9001 Quality System	STANDARD

✓ 430 stainless canopy	OPTIONAL
✓ Anti condensation heater	OPTIONAL
✓ Synchronising system	OPTIONAL
✓ PMG upgrade	OPTIONAL
✓ Bunded base tank	OPTIONAL
✓ Glow plugs	OPTIONAL
✓ Engine coolant heater	OPTIONAL
✓ Low water level switch	OPTIONAL



Control Panel Features

✔ Under speed / under frequency warning / shutdown	STANDARD
✔ Over crank / fail to start alarms	STANDARD
✔ Over current alarms	STANDARD
✔ On-set three phase voltage monitoring	STANDARD
✔ Frequency monitoring	STANDARD
✔ Start, crank, crank rest, warm up timers	STANDARD
✔ Return and cool down timers	STANDARD
✔ Battery under/over voltage Alarms	STANDARD
✔ Deepsea Electronics Control Module	STANDARD
✔ Reverse power protection	STANDARD
✔ Configurable timers and alarms	STANDARD
✔ Recorded event log (250 occurrences)	STANDARD

✔ Low oil pressure shutdown	STANDARD
✔ Engine exerciser	STANDARD
✔ Kw and kv protection	STANDARD
✔ Power monitoring	STANDARD
✔ Deep sea control Modbus	STANDARD
✔ Unbalanced load protection	STANDARD
✔ Configurable timers and alarms	STANDARD
✔ Fuel usage monitoring and low fuel alarm	OPTIONAL
✔ Independent fault earth trip	OPTIONAL
✔ Advanced sms messaging and start/stop	OPTIONAL
✔ Modbus integration	OPTIONAL

Optional Equipment

Excel Power design and supply all accessories and optional equipment that is required for a successful installation of a diesel generator – for use either as a standby generator or for prime use.

- ✔ **Automatic Transfer Panels:** For automatically transferring the load from the mains to the generator in the event of loss of power.
- ✔ **Separate Bulk Fuel Tanks:** When you need to run your generator for an extended period we can supply an external fuel tank with interconnecting pipe work and automatic pumps.
- ✔ **Special Projects:** Low noise level, open set plant installations, stainless steel canopies, synchronising generators; please contact us for any special requirements.
- ✔ **Installation:** Through our international network of dealers we can arrange full site surveys, delivery installation and commissioning.
- ✔ **Service:** International components sourced from OEM manufacturers ensure that your Perkins Generator is fully supported with an international warranty.



Intended as a guide only and subject to change without notice ©2020

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