



POWERZONE TECHNOLOGIES PTE LTD

Blk 9, Kallang Place, #06-09

Kallang Basin Industrial Estate Singapore 339154

Tel : +65-6299 3711 Fax: +65-6299 4911

(Reg No. 201005325H)

Catalogue PL15 OPEN TYPE Perkins Engine 403D-15G

1. PERKINS -STAMFORD GENERATING SET

ENGINE

The Perkins 403 range of electric power (EP) engines delivers the same compact benefits of its 2 cylinder stablemate, but takes a stride forward in terms of noise, refinement and power. The 3 cylinder range offers excellent power density and superb fuel economy and is designed to meet your power generation needs in both unregulated territories where extreme conditions are likely, and higher regulated territories with more stringent emissions standards.

ALTERNATOR

Single bearing alternators, brushless, self-exciting, self-regulating with class H insulation, permanent magnet generator system, screen protected and constructed to meet BS 5000. Voltage regulation is within +/- 1.5% from no load to full load. Alternators are tropicalized and drip proof to Ip23.

GENSET CONSTRUCTION

The diesel engine and alternator are mounted on anti-vibration mounting on a fabricated steel skid base. Alternator is coupled to the engine flywheel by means of a flexible disc. The genset is load tested to ensure correct operation and finished with 2 coats of industrial high gloss paint.

GENSET CONTROL PANEL

The DSE4620 can be utilised as a Manual or Auto Start Module for Single gen-set applications or engine only applications. The module has been designed to work electronic and non-electronic engines, providing advanced engine monitoring and protection features. The DSE4620 includes a back-lit icon LCD display which clearly shows the status of the engine at all times. The module monitors engine speed, frequency, voltage and engine run hours and also display the warning and shutdown status. The module includes fixed and flexible outputs as well as configurable inputs making this products ideal for a wide variety of applications. The module can either be programmed using the front panel or by using the DSE Configuration Suite PC Software.



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Power by your needs

- The 403D-15G ElectropaK is a powerful but quiet 1.5 litre naturally aspirated 3-cylinder compact package

Compact, Clean and Efficient Power

- Design features on the 400D range of ElectropaK ensures clean rapid starting in all conditions whilst delivering impressive performance with low operating costs in a small, efficient package size

Lower Operating Costs

- The compact package size makes installation and transportation easier and more cost effective
- Operating and maintenance costs are reduced through excellent fuel and oil economy
- Service intervals are set at 500 hours as standard and Perkins provides comprehensive warranty cover for two years, with three years on major engine components. A low usage warranty package is also available
- Certified against the requirements of EU2007 (EU97/68/EC Stage II) and EPA Tier 4 Final (EPA 40 CFR Part 1039 Tier 4) legislation for non-road mobile machinery, powered by constant speed engines

Long-term Power Solution



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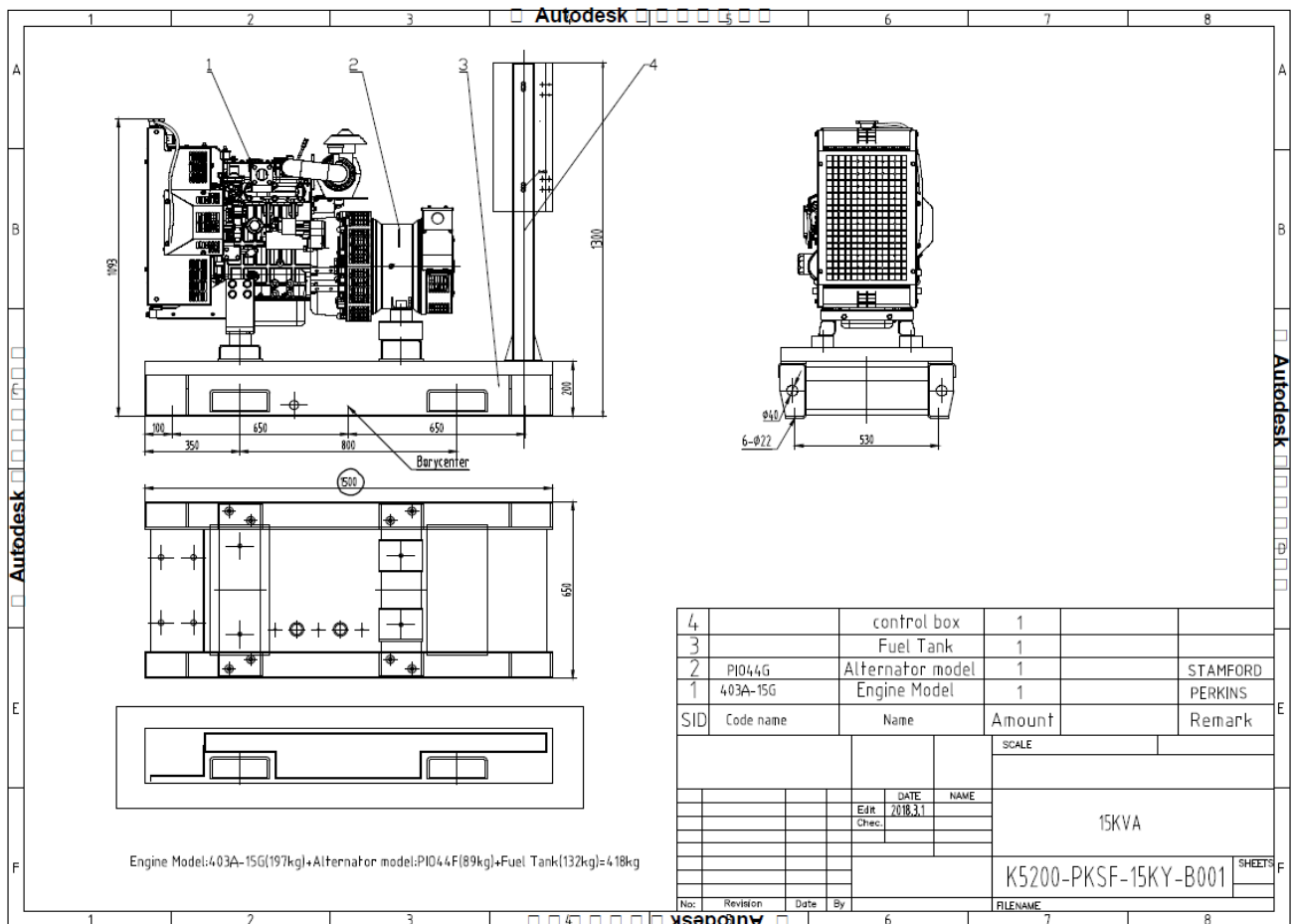
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- The 400D range of ElectropaK has been designed to fully comply with stringent EU and EPA emissions regulations, providing and emissions compliant power solution for the future

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Genset Drawing





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TECHNICAL SPECIFICATION	
GENERATING SET PL15P	TRAKNUS SPEC
ENGINE/MODEL	PERKINS/403D-15G
Type of Operation	Prime Power
Capacity	13.1kVA / 10.4kW(Net)
Number of Cylinders	3
Set Outputs	380-220V, 50Hz
Engine Speed rev/min	1500rpm
Overload Capacity	10% overload is available for 1 hour in every 12 hour operation
Cylinder Arrangement	Vertical in-Line
Cycle	4 Stroke
Induction System	Natural Aspirated
Combustion System	Indirect Injection
Cooling System	Radiator-Water-Cooled
Direction of Rotation	Anti-clockwise, viewed from flywheel
Governor Type	Mechanical
Bore and Stroke	84 x 90 mm
Displacement	1.5 litres
Compression Ratio	22.5:1
Total Lubricant System Capacity	6.0 litres
Total Coolant Capacity	5.98 litres
Fuel Consumption, Prime	3.6 l/hr
ALTERNATOR / MODEL	STAMFORD / PI044G
Protection	IP23
Ampere	22.8
Cable / Phase (mm²)	10
kVA	13.1
kW	13,5
Characteristic	Brushless, Self Excited with AVR
Phase	3
Pole	4
Frequency	50 Hz
Capacity(Base-380V)	380 kVA
Power Factor (PF)	0.8
Insulation System	Class "H"
Overspeed Maximum	2250 rpm
DAILY TANK	50 litres
GENSET OPEN TYPE	PL15P



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DIMENSION OPEN(Approx) LxWxH	1500x650x1300 mm
WEIGHT (Approx)	435 kg
GENSET SILENT TYPE	PL15S/B
DIMENSION SILENT (Approx) LxWxH	1650 x 750 x 1250 mm
WEIGHT (Approx)	725 kg
PANEL GENSET	DSE4620

Genset Pictures



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