



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 PL800P OPEN TYPE Perkins Engine 4006-23TAG3A

1. PERKINS -STAMFORD GENERATING SET

ENGINE

The 6 cylinder Perkins 4006 range gives you the versatility you need in today's power generation market. The range's diesel Electropak engines/Electro Units deliver 750-900 kVA and are supplied with or without radiator and air cleaner. This engine has proven reliability in prime and standby installations in all of the key sectors, such as manufacturing facilities, hospitals, and data centres. The 4006 engines have exceptional power-to-weight ratios and compact designs, making them simple to transport and install.

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 DSE7320 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 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 DSE7320 will also monitor the mains (utility) supply. The modules include USB, RS232 and RS485 ports as well as dedicated DSENet ® terminals for system expansion.

Both modules are compatible with electronic (CAN) and non-electronic (magnetic pickup/alternator sensing) engine and offer an extensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements. The modules can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.



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Economic Power

- **Individual four valve per cylinder heads give optimised gas flows, whilst digitally governed unit fuel injectors ensure ultra-fine fuel atomisation and hence controlled rapid combustion, for efficiency and economy.**
- **Commonality of components with other engines in the 4000 Series family allows reduced parts stocking levels.**

Reliable Power

- Developed and tested using the latest engineering techniques.
- Piston temperatures are controlled by an advanced gallery jet cooling system.
- All engines are tolerant of a wide range of temperatures without derate.
- Perkins global product support is designed to enhance the customer experience of owning a Perkins powered machine. We deliver this through the quality of our distribution network, extensive global coverage and a range of Perkins supported OEM partnership options. So whether you are an end-user or an equipment manufacturer our engine expertise is essential to your success.

Clean and Efficient Power

- Designed to provide excellent service access for ease of maintenance.
- Engines designed to comply with major international standards.



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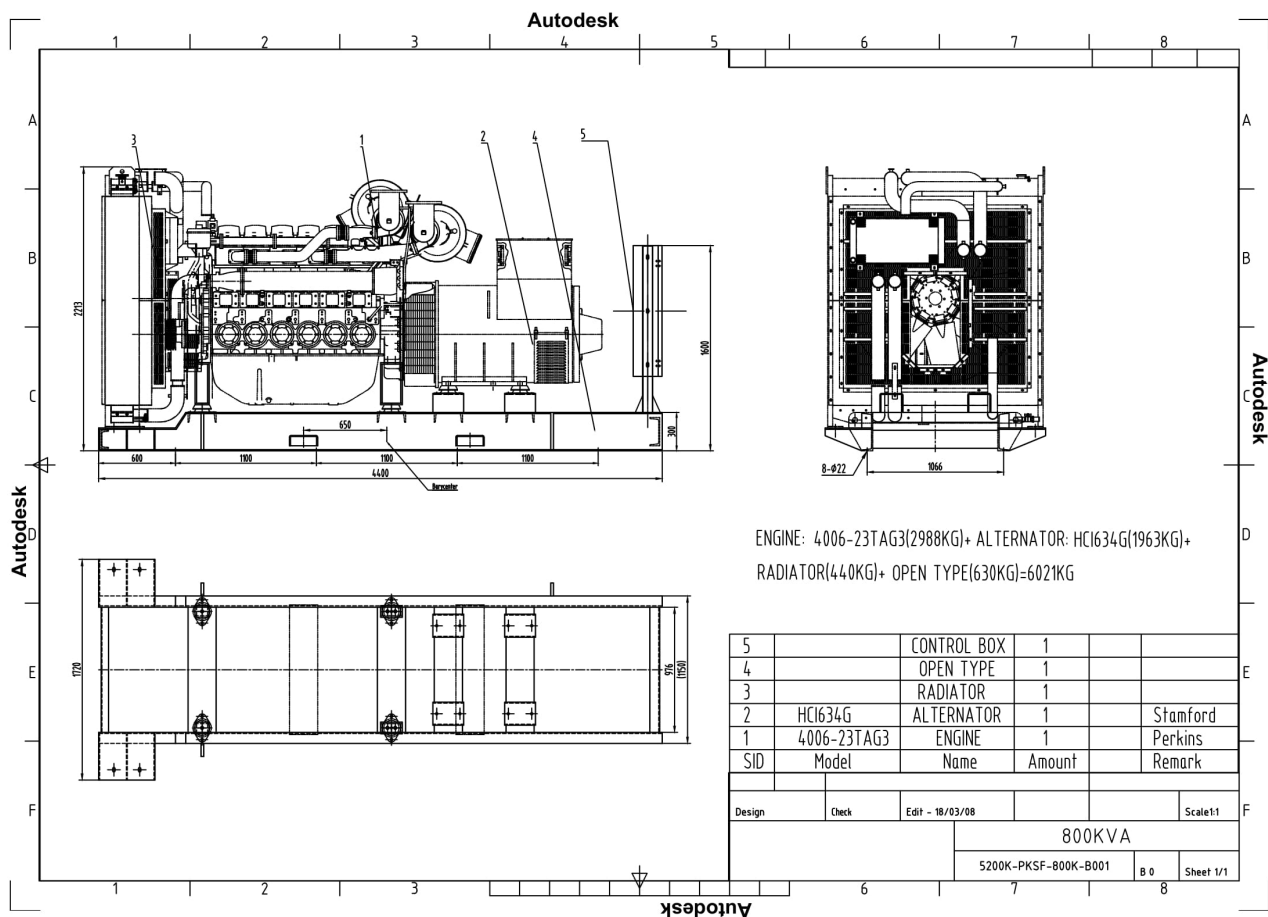
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PL800 OPEN TYPE Perkins Engine 4006-E23TAG3A

Genset Drawing





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TECHNICAL SPECIFICATION	
GENERATING SET PL800P	TRAKNUS SPEC
ENGINE/MODEL	PERKINS/4006-23TAG3A
Type of Operation	Prime Power
Capacity	800 kVA / 640 kW(Net)
Number of Cylinders	6
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	Turbocharged, air-to-air chargecooled
Combustion System	Direct Injection
Cooling System	Water-Cooled
Direction of Rotation	Anti-clockwise, viewed from flywheel
Bore and Stroke	160 x 190 mm
Displacement	22.9 litres
Compression Ratio	13.6:1
Total Lubricant System Capacity	113.4 litres
Total Coolant Capacity	105 litres
Fuel Consumption, Prime	172 l/h
ALTERNATOR / MODEL	STAMFORD / HCI634G
Protection	IP23
kVA	800
kW	640
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
GENSET OPEN TYPE	PL800P
DIMENSION OPEN(Approx) LxWxH	4403 x 1706 x 2208.6 mm
WEIGHT (Approx)	6021 kg
GENSET SILENT TYPE	PL800S/B
DIMENSION SILENT (Approx) LxWxH	6000 x 2200 x 2550 mm
WEIGHT (Approx)	9500 kg
PANEL GENSET	DEEP SEA 7320



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Genset Pictures

