



Enrogen EG880P Datasheet

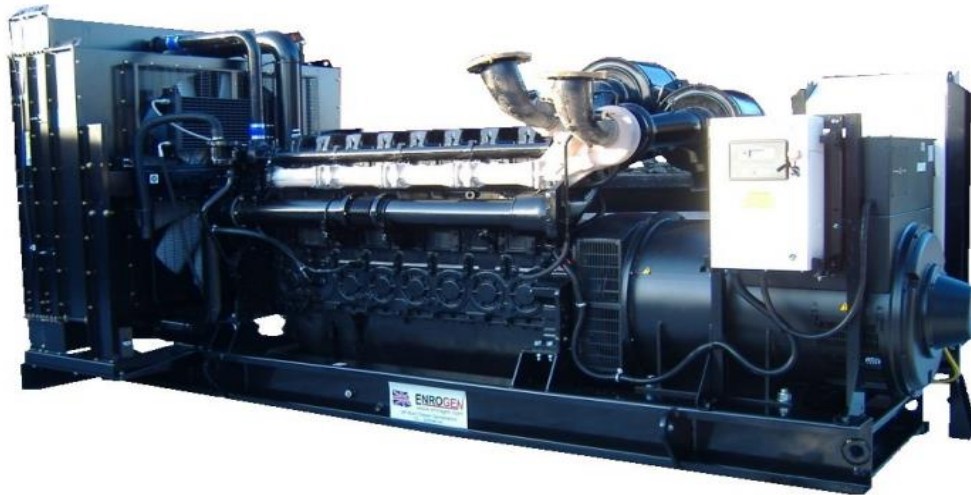


Image for illustration purposes only

Manufactured in U.K.

Output Ratings

Generator Set Model - 3 Phase	Standby*	Prime*
400/230V, 50Hz	880kVA 704kW	800kVA 640kW

PRP – Prime power: This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for one hour in twelve hours.

ESP – Stand-by power: This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

Ratings at 0.8 power factor

Technical Data

Engine Make & Model	Perkins 4006-23TAG3A		
Generator Model	Leroy Somer		
Control Panel	DSE7410 Auto Start		
Base Frame Type	Heavy Duty Fabricated Steel		
Circuit Breaker Type	3 Pole MCCB		
Frequency	50Hz		60Hz
Engine Speed	<i>RPM</i>	1500	1800
Fuel Tank Capacity	<i>Litres</i>	1,000Ltr	
Fuel Consumption, Prime	<i>Ltr/hr</i>	163	188.3
Fuel Consumption, Standby	<i>Ltr/hr</i>	183.5	211.9
Generator Set Model - 3 Phase	Standby*		Prime*
400/230V, 50Hz	880kVA 704kW		800kVA 640kW

Technical Data

Engine Details		Alternator Details	
Manufacturer	Perkins	Manufacturer	Leroy Somer
Model	4006-23TAG3A	Model	TAL Series
No. of Cylinders	6 in-line	Insulation Class	H
Displacement	22.9	Wires	6
Aspiration	Turbocharged	Ingress Protection Rating	IP23
Working Principle	4-stroke	Relative Humidity	< 95%
Bore x Stroke	160 / 190mm	Winding Pitch	2//3
Compression Ratio	13.6:01	Air Flow	0.48m/s
Weight (dry)	2524kg	Excitation	Shunt
Oil Capacity	123Ltr	AVR Type	R150
Oil Pan	113.4Lr	Voltage Regulation	1%
Electrical System	24V DC	THD (No Load)	< 2.5%
Engine Speed	1500RPM	THD (linear load)	< 5%
Piston Speed		Waveform: NEMA = TIF	< 50%
Governor Type	Electronic	IEC = THF	< 2%
Gross Power (Prime)	705kW	Bearings	1
Gross Power (Standby)	786kW		
Heat Rejection to Coolant	310kW		
Heat Rejection to Room	116kW		
Cooling Method	Water		
Exhaust Temp (max C)	500		
Combustion Air Flow	193cu m/min		

Fuel System			Control Panel	
Recommended Fuel	Class A2 Diesel		Manufacturer	Deep Sea Electronics
Fuel Consumption	Prime	Standby	Model	6110
Ltr/hr (1500RPM)			Start Mode(s)	Auto or Manual
100% Load	163	183.5	Remote Monitoring	Optional
75% Load	123.6	137.9	License to Access	Open Protocol
50% Load	88.2	96.8	Display	Digital

Dimensions		Noise Level - Enclosed Option Only	
Length	6145mm	100% Load (1mtr)	88dBA
Width	2196mm	100% Load (7mtr)	78dBA
Height (inc Exhaust)	3443mm	75% Load (1mtr)	85dBA
Weight (Dry)	TBC	75% Load (7mtr)	75dBA

Enclosure Details	Contact Details
Galvanised Material	<p>Shanahan Power Ltd Old Barna Newcastle West Co Limerick Ireland Phone: +353 (0) 69 23003 Email: solutions@shanahanpower.com</p>
Powder Coated Finish	
RAL7012 Base & RAL9010 Enclosure	
Designed & Manufactured in the UK	
Exterior Emergency Stop	
Panel Viewing Window	
DriMet Latches & Hinges on doors - Rust Free	
Large Side Access doors for ease of Maintenance	
Exhaust with Rain Flap	
Removable Hatch for Radiator Fill on Roof	
Liftin Eyes & Jacking Points on Baseframe	
Engine Block Heater & Battery Trickle Charger	