

UTP80-P3 80kW / 100kVA GENERATOR SET

PRIME POWER

80kW-60Hz-120/208V



Alternator Specification		Engine Specification	
Manufacturer	Stamford	Manufacturer	Perkins
Model	UC I224G14	Model	1104D-E44TA
Prime power	80kW / 100kVA	Emissions	EPA Tier 3
Standby power	88kW / 110kVA	Displacement	269 cu in
Rated voltage	120V/208V	Cylinders	4 inline
Configuration	3-phase 4 wire	Aspiration	Turbocharged
Rated current	281.2A	Cooling system	Liquid
Rated frequency	60Hz	Rated speed	1800 rpm
Insulation class	H	Torque	411.2 lb. - ft @ 1800 rpm
AVR	AS440	Maximum Power	142HP
Power Factor	0.8	Compression Ratio	16.2:1
Canopy			
Dimensions	L120" x H78" x W44"	Built in fuel tank	90.5 gallons
Noise rating	63dBA @ 21'		

Features and benefits:

- Our generator sets are reliable and perform with extremely low noise emissions. Powered by either Perkins or Kohler diesel power plants, we sourced the best available engines in the industry.
- The electricity is produced by AC alternators made by either Stamford or Leroy-Somer that are considered the highest quality manufacturers of power generators.
- All engine and alternator functions as well as the fuel tank level are handled by a Deep Sea Electronics controller for optimal automation and protection of the genset. The engine performance and generator power output can be remotely accessed for observation and start / stop control either from a desktop at your home or office or through an App on your cellphone.
- The powder coated steel canopy offers protection from the environments as well as to keep noise pollution to a minimum. Large service doors on all sides supply easy access for service and maintenance.
- All units are equipped with an internal fuel tank. It is sized big enough to keep the generator running at maximum capacity for 24 hours in case of an emergency. We also stock external fuel tanks in various sizes for longer running times and can assist you in choosing the right size for your individual application as well as how to connect them to your generator.
- The built-in fuel transfer pump lets you connect external fuel tanks for extended run time.
- The electrical connection can be made either direct to the lugs of the main breaker or via Camlok connectors.
- An easily accessible panel on the outside provides two GFCI protected courtesy outlets and a connection to the built-in battery charger / tender to keep the starting battery always fully charged during extended periods of nonuse.

Power Generation Enterprises, Inc.

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(818) 484-8550, sales@powergenenterprises.com, Sales@PowerGenEnterprises.com

ENGINE SPECIFICATIONS

Manufacturer	PERKINS
Model	1104D-E44TA
EPA certified	Tier III
Crankshaft speed	1,800 rpm
Type	Diesel 4-stroke
Injection	Direct
Aspiration	Turbocharged w/ wastegate
Number of Cylinders	4
Cylinder arrangement	In-line
Displacement in ³ (cm ³)	269 (4408)
Bore and Stroke inches (mm)	4.13 x 5 (105 x 127)
Nominal power kW (HP)	74.5 (100)
Cooling system	Liquid
Governor	Electronic
Starting motor & alternator	12 Volt
Engine system voltage	12 Volt
Air cleaner type	Heavy duty - single cartridge

COOLING SYSTEM

Total cooling capacity - US gallons (liters)	4.5 (17)
Max. Operating Temperature °F (°C)	122 (50)
Coolant (mix with distilled, deionized, or demineralized water)	ASTM D-3306 or D-6210 (50/50 or 40/60)

LUBRICATION SYSTEM

Oil pan capacity with filter - US gallons (liters)	2.2 (8.4)
Oil cooler	Liquid
Recommended lubricating oil grade	SAE 15W-40 API CJ-4 Low
Oil consumption at full load	< 0.1% of fuel consumption

FUEL SYSTEM

Recommended fuel	EN 590 (biodiesel content max. 7% (V/V)) or ASTM D975 cetane >45			
Fuel consumption load% - gal/hr	25% - 5.2	50% - 9.0	75% - 12.8	100% - 16.6
Runtime load% - hrs	25% - 17	50% - 10	75% - 7	100% - 5
Ext. fuel supply line diameter in inch	3/4			
Max. lift m (ft), pump type	3 (9), self-prime			
Primary fuel filter / water separator in microns	10			
Secondary fuel filter	N/A			

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ALTERNATOR

Manufacturer	STAMFORD
Model	UC I224G14
Voltages	120/208V 3-phase 4 wire
Frequency Hz	60
Power STANDBY / PRIME kVA	100 / 110
Power STANDBY / PRIME kW	80 / 88
Amps	277
Alternator Type	Four pole, rotating field
Number of leads	12 leads, reconnectable
Stator Pitch	2/3
Insulation	Class H
Windings – Temperature Rise	311 - Class H (125/40° C)
Enclosure	IP23
Bearing	Single, sealed
Voltage regulation – no load to full load with AS440 AVR	± 1%

CONTROLLER SPECIFICATION (ANNUNCIATOR)

Manufacturer	Deep Sea Electronics
Model	DSE7320 Mk II
Programmable run exercise scheduler	YES
Remote communications module	DSE890 MkII

CANOPY

Total Weight lbs.	4,235
Panel with 2 dual courtesy outlets	2x dual outlets GFCI protected
Built in battery charger / tender	YES
Electric cooling fans	3
Built in fuel tank in base capacity gallons	90.5
Electrical connection	Camlok connectors

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