



UTP30-K3 30kW / 37kVA T4F GENERATOR

PRIME POWER

30kW-60Hz-120/208V



Alternator Specification		Engine Specification	
Manufacturer	Stamford	Manufacturer	Kohler
Model	S1L2-J1	Model	KDI 1903 TCR-G18C
Prime power	30kW / 37kVA	Emissions	EPA Tier 4 Final
Standby power	33kW / 41kVA	Displacement	135 cu in
Rated voltage	120V/208V	Cylinders	3 inline
Configuration	3-phase 4 wire	Aspiration	Turbocharged
Rated current	102.7A	Cooling system	Liquid
Rated frequency	60Hz	Rated speed	1800 rpm
Insulation class	H	Torque	165.9 lb.- ft @ 1800 rpm
AVR	AS540	Maximum Power	49.6HP
Power Factor	0.8	Compression Ratio	18.23:1
Canopy			
Dimensions	L110" x W38" x H60"	Built in fuel tank	64.4 gallons
Noise rating	58dBA @ 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, the top 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.

ENGINE SPECIFICATIONS

Manufacturer	KOHLER
Model	KDI 1903 TCR-G18C
EPA certified	Tier 4 FINAL
Crankshaft speed rpm	1,800 rpm
Type	Diesel 4-stroke
Injection	Direct, common rail
Aspiration	Turbocharged
Number of Cylinders	3
Cylinder arrangement	In-line
Displacement in ³ (cm ³)	113.5 (1861)
Bore and Stroke inches (mm)	3.5 x 4 (88 x 102)
Compression ratio	13.5:1
Nominal power kW (HP)	37,5 (49.6)
Cooling system	Liquid
Governor	Electronic
Engine system voltage	12 Volt
Air cleaner type	Heavy duty - single cartridge

COOLING SYSTEM

Total cooling capacity - US gallons (liters)	3.4 (13)
Max. Operating Temperature °F (°C)	122 (50)
Coolant (mix ratio)	ASTM D-3306 or D-6210 (50/50 or 40/60)

LUBRICATION SYSTEM

Oil pan capacity with filter - US gallons (liters)	2.35 (8.9)
Oil cooler	Liquid
Recommended lubricating oil grade	SAE 15W-40 API CJ-4 Low
Oil consumption at full load	< 0.1% of fuel consumption
Oil pressure – psi	11

FUEL SYSTEM

Recommended fuel	EN 590 (biodiesel content max. 7% (V/V)) or ASTM D975 cetane >45			
Fuel economy best point g/kWh	215			
Fuel consumption gal/hr	25% - 1.0	50% - 1.4	75% - 2.1	100% - 2.8
Runtime hrs	25% - 64	50% - 45	75% - 30	100% - 22
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	S1L2-J1
Voltages	120/208V 3-phase 4 wire
Frequency Hz	60
Standby Power kW / kVA	33 / 41.5
Prime Power kW / kVA	30 / 37.5
Amps	102.7
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 AS540 AVR	± 1%

CONTROLLER SPECIFICATION

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

CANOPY

Panel with 2 dual courtesy outlets	2x dual outlets GFCI protected
Built in battery charger / tender	
Electric cooling fans	3
Built in fuel tank in base capacity gallons.	64.4
Electrical connection	Camlok connectors