



**1000 KW / 1250 KVA
POWERED by**



MODEL		TP-C1250-T1-50	
<p>Triton Power is a world leader in the design, manufacture of stationary, mobile and rental generator sets and Power Modules from 10 to 2000 kW. Through our commitment to quality we manufacture with only the highest quality components from companies like Cummins, John Deere, Perkins, Marathon, and Deep Sea. All of this plus our worldwide warranty, customer service professionals, is why Triton is the</p> <p>THE POWER OF QUALITY</p>			
<p>Available Voltage 3 Phase 277/480 Power Factor 0.8</p>	Standby	kVA	1250
		kW	1000
	Prime	kVA	1138
		kW	910

Standby : Continuous running at variable load for duration of an emergency. No overload is permitted on these ratings. In accordance with ISO 3046 .
Prime : Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period. In accordance with ISO 8528, ISO 3046.

- Factory Assembled and tested
- High quality, reliable and complete power unit
- Heavy duty skid mounted with lifting eyes
- Easy start and maintenance
- Every generator set is subject to a comprehensive test program at factory which includes full load testing and checking and providing of all control and safety shut down functions testing
- Factory engineered with a wide range of options and accessories:
 - Sound Attenuated Enclosure
 - Trailer with fuel tank
 - UL Listed Fuel Tank
 - Permanent Magnet Generator
 - Electronic Governor



ENGINE INFORMATION

ENGINE MAKE		CUMMINS
Model		KTA38-G9
Engine Speed	RPM	1500
Engine Power Output at rated rpm	kWm	1089
	HP	1460
Cooling (2 Pump/2 Loop, 50% ethylene-glycol to water) Closed loop, factory mounted w/ integrated engine driven pump		Radiator Cooled
Aspiration		Turbocharged & Aftercooled
Total Displacement	Liter	37.8
No. of Cylinders and Build		12
Bore and Stroke	mm x mm	159 x 159
Compression Ratio		13.9:1
Governor		Electronic
Fuel Consumption (L/hr)	Full Load	256
	75% Load	196
	50% Load	137
Fuel Tank Capacity (Non-UL)	Liter	Inquire
Oil Capacity	Liter	135
Coolant Capacity (Radiator capacity to 110% of load condition)	Liter	124

<p>The KTA50-Series benefits from years of technical development and improvement to bring customers an innovative and future proof diesel engine that keeps pace with ever changing generator set requirements.</p> <p>Recognised globally for its performance under even the most severe climatic conditions, the KTA50-Series is widely acknowledged as the most robust and costeffective diesel engine in its power range for the generator set market.</p>	<p>As a mature technology, Cummins clean and modern diesel-powered generators offer these key benefits:</p> <ul style="list-style-type: none"> Rapid product availability Proven reliability and low life-cycle costs High efficiency and operational flexibility High quality electrical performance Well-established service and fuel supply infrastructure Optional factory-integrated exhaust after treatments reduce emissions for high-hour use in environmentally sensitive locations.
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CONTROLLER INFORMATION DEEP SEA MODEL 7420

The DSE7420 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. A sophisticated module monitoring an extensive number of engine parameters, the DSE74xx will announce warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LED, remote PC, audible alarm and via SMS text alerts. The module includes RS232, RS485 & Ethernet ports as well as dedicated terminals for system expansion.

MAIN FEATURES:



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| <ul style="list-style-type: none"> • Configurable inputs (11) • Configurable outputs (8) • Voltage measurement • Mains (utility) failure detection • Dedicated load test button • kW overload alarms • Comprehensive electrical protection • RS232, RS485 & Ethernet remote communications • Modbus RTU/TCP • PLC functionality • Multi event exercise timer • Back-lit LCD 4-line text display • Multiple display languages • Automatic start/Manual start • Audible alarm • Fixed and flexible LED indicators • Event log (250) • Engine protection • Fault condition notification to a designated PC • Front panel mounting • Protected front panel programming • Configurable alarms and timers • Configurable start and stop timers • Five key menu navigation • Front panel editing with PIN protection • 3 configurable maintenance alarms • CAN and Magnetic Pick-up/Alt. sensing | <ul style="list-style-type: none"> • Fuel usage monitor and low fuel alarms • Charge alternator failure alarm • Manual speed control (on compatible CAN engines) • Manual fuel pump control • “Protections disabled” feature • Reverse power protection • Power monitoring (kW h, kV Ar, kV A h, kV Ar h) • Load switching (load shedding and dummy load outputs) • Automatic load transfer • Unbalanced load protection • Independent Earth Fault trip • Fully configurable via DSE Configuration Suite PC software • Configurable display languages • Remote SCADA monitoring via DSE Configuration Suite PC software • Advanced SMS messaging (additional external modem required) • Start & stop capability via SMS messaging • Additional display screens to help with modem diagnostics • DSENet® expansion compatible • Integral PLC editor |
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BENEFITS

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| <ul style="list-style-type: none"> • RS232, RS485 & Ethernet can be used at the same time • DSENet® connection for system expansion • PLC functionality • Five step dummy load support • Five step load shedding support | <ul style="list-style-type: none"> • Worldwide language support • Direct USB connection to PC • Ethernet monitoring • USB host • Data logging & trending |
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OPERATION

The module is operated using the front STOP/RESET, MANUAL, AUTO, TEST and START pushbuttons. An additional pushbutton next to the LCD display is used to scroll through the modules metering displays.



ALTERNATOR INFORMATION

Manufacturer	Stamford Newage - HCI634K
Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation System	Class H
Standard Temperature Rise	125 -163°C Continuous
Exciter Type	Self Excited
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct drive centrifugal blower fan
AC Waveform Total Harmonic Distortion	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	<50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	<2%

BATTERIES

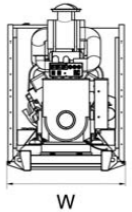
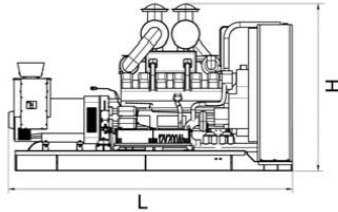
- 24 Volt DC
- CCA at 0 to 55° C
- Sized for 3 or more cranking cycles without recharging (-10 to 60° C)
- Includes all necessary battery cable, interconnecting conductors and connections
- Metal battery compartment with acid resistant finish and thermal insulation.
- Battery heater to maintain battery above 10° C (-10 to 60° C)
- Battery secured to battery compartment

INCLUDED ITEMS (Per Quotation)

ENGINE OPTIONS	<ul style="list-style-type: none"> • Racor Fuel Water Separator • Coolant Jacket Heater
ALTERNATOR OPTIONS	<ul style="list-style-type: none"> • Permanent Magnet Generator • Anti-Condensation Heater
OTHER OPTIONS	<ul style="list-style-type: none"> • Power Module • UL-142 Base Mounted Fuel Tank (complies with NFPA 30) • Critical Grade Silencer (Roof Mounted)

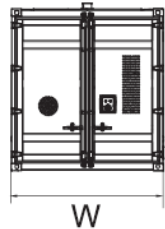
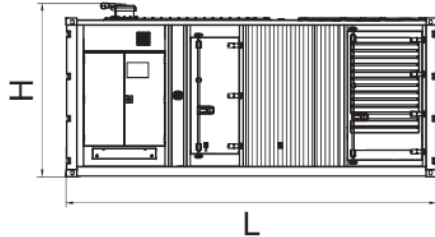


WEIGHT AND DIMENSIONS



SKID MOUNTED GENERATOR

DIMENSIONS (LxWxH)	mm	5362 x 2110 x 2556
DRY WEIGHT	kg	9812



SOUND ATTENUATED GENERATOR

DIMENSIONS (LxWxH)	mm	6060 x 2400 x 2600
DRY WEIGHT	kg	15039

FEATURES AND BENEFITS OF ENCLOSURE:

- All enclosure parts are modular
- No welding to reduce corrosion
- Doors on both sides for easy maintenance
- All metal parts are powder coated
- Critical Exhaust Silencer Included
- Thermally insulated exhaust system
- Emergency stop located on exterior
- Easy Lifting and Moving



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