625 kVA Triton Rental Grade Generator – Tier 4 Final

TP-RV625-T4F-RENTAL

Triton Power offers a complete line of mobile diesel generators from 15 to 1500 kVA. Quiet and Dependable, our generators power everything from construction to entertainment to natural disaster recovery.

FEATURES

- ✓ Fully Integrated Mobile Power Generation System
- ✓ Prototype-tested, Factory Built and Fully Tested
- ✓ Open-Source Components and Controls
- ✓ Average of 70 dB(A) @ 7 m
- ✓ 125% Full Containment for Fluids
- ✓ 3 Position Voltage Switch and Distribution Panel (up to 288 kVA)
- ✓ Standard Sub-Base Tank up to 45 hours

OPTIONS:

- ° 2, 3 or 4 Position Voltage Switch
- ° Full Distro Panel to Any Combination of Connections
- ° Paralleling Controls
- ° UL2200 and CSA Available
- ° Extended Warranty
- ° Trailer with Extended Fuel Capacity

OUTPUT RATINGS - SWITCHABLE

Available Voltages at 60Hz	Standby kW	Standby kVA	Prime kW	Prime kVA
Single Phase, 1.0 Power Factor 110/220, 120/240	-	-	-	-
Three Phase, 0.8 Power Factor 120/208, 277/480	550	688	500	625

OUR TIER FOUR FINAL ENGINES

Only the highest quality Final Tier 4 engines power our mobile generators, offering the maximum performance and versatility. We utilize Kubota (15 to 40 kVA), John Deere (55 to 300 kVA), Scania (350 to 550 kVA) and Volvo (625 to 1500 kVA). Countless hours of lab testing, field prototype machines, and rugged off-highway applications have proven you don't have to sacrifice performance to comply with emissions standards.

OUR ALTERNATORS

Triton Mobile are equipped with Leroy-Somer alternators. Utilizing the latest technologies and with outputs extending from 5 to 5,000 kW, these alternators are designed to deliver superior efficiencies in Standby, Continuous and Prime generator applications worldwide.

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact model

625 kVA Triton Rental Grade Generator – Tier 4 Final

TP-RV625-T4F-RENTAL

ENGINE INFORMATION

Engine Make	Volvo
Model	TWD1672GE
Tier Rating	Tier 4 Final
Engine Speed (RPM)	1800
Engine Power Output at rated RPM	585 kWm / 784 HP
Cooling	Radiator Cooled
Aspiration	Turbocharged
Total Displacement (Liter)	16.10
No. of Cylinders and Build	60, in line
Bore and Stroke	144 x 165
Compression Ratio	16.8:1
Governor	Electronic
Fuel Consumption (L/hr)	
Full Load	99.10
75% Load	70.5
50% Load	51.20
Oil Capacity (Liter)	48
Coolant Capacity (Liter)	26

ABOUT THE ENGINE

Volvo's entire Tier 4 Final / Stage IV certified engine range maximizes efficiency while delivering the power and reliability our customers demand. Volvo developed a simple Selective Catalytic Reduction (SCR) system together with light Exhaust Gas Recirculation (EGR). The Volvo Penta Tier 4 Final / Stave IV solution means less maintenance for customers, as well as better productivity and uptime. The single canister Volvo Penta solution allows OEMs to optimize their packaging instead of having to design and install two catalysts.

ALTERNATOR INFORMATION

Manufacturer	Leroy Somer
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%

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact model

625 kVA Triton Rental Grade Generator – Tier 4 Final

TP-RV625-T4F-RENTAL

STANDARD ITEMS

- ✓ Engine System:
  - Air Cleaner
  - Commercial Grade Exhaust (Enclosed Versions)
  - Expanded Metal Safety Guards
- ✓ Fuel System
  - Primary Fuel Filter
  - Flexible Fuel Lines
- ✓ Cooling System
  - Factory Installed Radiator
  - Radiator Drain Extension
- ✓ Electrical System
  - Unit Mounted Mainline Circuit Breaker
  - Battery Charging Alternator
  - Battery Tray and Cables
- ✓ Generator Set
  - Mounted on Heavy Duty Steel Base Frame
  - Anti-Vibration Pads between Engine/Alternator and Frame
  - Full Factory Load Bank Testing
- ✓ Alternator
  - Single or Three Phase Available
  - Class H Insulation
- ✓ Enclosure (if selected)
  - Heavy Duty Steel Enclosure (Aluminum Options)
  - Powder Coated Finish
  - Easy Access to All Service Points
  - Fully Sound Attenuated
  - Easy to Transport

OPTIONAL ITEMS

- ✓ Engine System:
  - Upgraded Exhaust Silencers (Hospital, Residential, Critical)
  - Heavy Duty Air filters
  - Oil Drain Extension
  - Oil Heater
  - Block Heater (Standard and Circulating)
- ✓ Fuel System
  - Multi-Valve Fuel Connections
  - Fuel Heater
- ✓ Electrical System
  - Battery Charger (Standard, Float Type and Solar)
  - Additional Circuit Breakers
  - Shunt Trips
  - Electrically Controlled Breakers
  - Remote Emergency Stop Switch
  - Remote Monitoring
  - Paralleling Systems
  - Electrical Connections (Cam-Locks, Reefer Plugs, Distro Panel, and more)
  - Multi Voltage Selector Switches
- ✓ Cooling System
  - Upgraded Radiator Systems
  - Marine Grade Coating
- ✓ Enclosure
  - Aluminum Enclosure
  - Ultra-Quiet Enclosure
  - 20 and 40’ Container Packages
  - Custom Paint Colors
  - Rodent Guards
- ✓ Alternator
  - 600 Voltage
  - Medium Voltage
  - Two Bearing
  - Tropicalization
  - Anticondensation Heaters
  - PMG
- ✓ Additional Options
  - Fire Suppression Systems
  - Seismic Isolators
  - Remote Control Systems
  - Enclosure Lights
  - Cold and Extreme Weather Packages
  - NFPA 110 Compliance
  - Standard and Custom Fuel Tanks
  - Standard and Custom Trailers
  - Please inquire, Triton can assist in engineering nearly any option

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact model

625 kVA Triton Rental Grade Generator – Tier 4 Final
TP-RV625-T4F-RENTAL

RENTAL PACKAGE

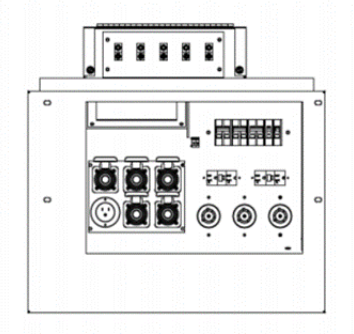
3 POSITION VOLTAGE SELECTOR SWITCH

Our industrial grade voltage selector switches stand above competition. Equipped with high short circuit breaking capacity, mechanical interlock and an overcurrent protection device with the highest quality standards. All models come standard with a lockable design, that can be locked in any position to provide additional safety.

SYSTEM OUTPUT:

- Single Phase 120/240V
- Three Phase 120/208V
- Three Phase 277/480V

POWER DISTRIBUTION PANEL:



- Individual Breaker Protection for sockets.
- Main Circuit Breaker.
- 2 GFCI duplex receptacles (20A – 125V), protects electrical
- wiring and receptacles from overheating and possible fire.
- 50A 125/250V twist-lock receptacles with Lexan covers
- Full Set of Cam Locks, Quantity and Size based on Generator output.

DEEP SEA CONTROL PANEL 7420

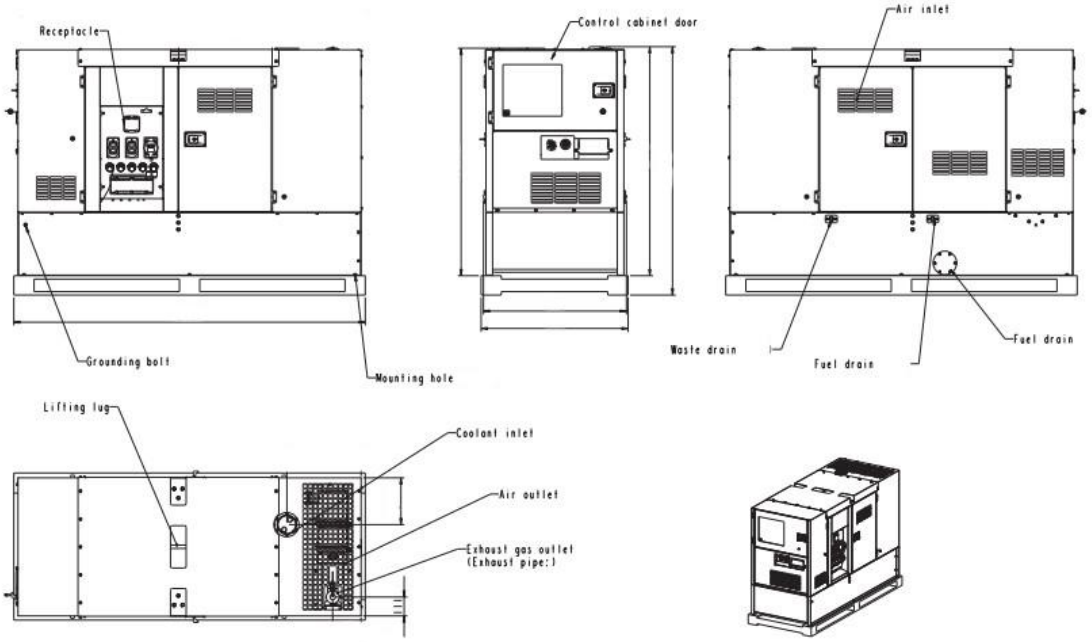
- The DSE7420 is an Auto Start Control Module and is also an Auto Mains (Utility) Failure Control Module.
- A sophisticated module monitoring an extensive number of engine parameters, the DSE7420 will annunciate warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LED, remote PC, and audible alarms.
- The module includes RS232, RS485 & Ethernet ports as well as dedicated terminals for system expansion.
- The DSE7400 Series modules are compatible with electronic (CAN) and non-electronic (magnetic pickup/alternator sensing) engines and offer a comprehensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to your requirements.
- The modules can be easily configured using the DSE Configuration Suite Software.

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact model

625 kVA Triton Rental Grade Generator – Tier 4 Final
TP-RV625-T4F-RENTAL

WEIGHT AND DIMENSIONS

Enclosed	
Length (mm)	5200
Width (mm)	1900
Height (mm)	2500
Dry Weight (kg)	8394
Fuel Tank (L)	1000



*Drawings are representative only and do not reflect actual product

ENCLOSURE FEATURES AND BENEFITS

- ✓ Made of high-quality steel and completely powder coated. The paint has a three-step process ensuring protection.
- ✓ Advanced water and dust proof design of service doors and enclosure.
- ✓ Noise reduction enhanced by an exhaust silencer and high quality interior acoustic lining that is sound absorbent and fire-retardant
- ✓ Built for easy installation, maintenance and transport
- ✓ Lifting eyes located at base make it easier to move and transport.
- ✓ Easy to Maintain with Access on both sides, includes Integral base drainage outlets, modular enclosure for easy parts replacement.

TRITON POWER CORP
8511 NW 61 STREET MIAMI, FL USA
305-592-6300 Fax: 305-592-5900
email: info@tritonpower.com
website: tritonpower.com

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact model