625 kW Triton Tier 4 Final Diesel Generator

TP-V625-T4F

Triton offers a complete line of Tier 4 Final diesel generators from 15 to 1500 kVA. Powerful and Dependable, our Tier 4 products can be open, mobile or stationary, depending upon your requirement. Powering everything from agriculture to health care to government institutions.

FEATURES

- ✓ Fully Integrated T4F Power Generation System
- ✓ Prototype-tested, Factory Built and Fully Tested
- ✓ Open-Source Components and Controls
- ✓ 125% Full Containment for Fluids
- ✓ Available in Open, Enclosed and Mobile
- ✓ Sub-Base Tank up to 45 hours

OPTIONS:

- ° Extended UL Fuel Tank
- ° Paralleling Systems
- ° UL2200 and CSA Available
- ° Extended Warranty
- ° Trailer with Extended Fuel Capacity
- ° Variety of Connections Available
- ° Over 100 different options available (see below)

OUTPUT RATINGS

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 **Additional Voltages Available*	625	784	570	713

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

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ENGINE INFORMATION

Engine Make	Volvo
Model	TWD1673GE
Tier Rating	Tier 4 Final
Engine Speed (RPM)	1800
Engine Power Output at rated RPM	655 kWm / 878 HP
Cooling	Radiator Cooled
Aspiration	Turbocharged
Total Displacement (Liter)	16.12
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	128.9
75% Load	97.7
50% Load	67.8
Oil Capacity (Liter)	42
Coolant Capacity (Liter)	33

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%

DEEP SEA 7420 DIGITAL CONTROLLER

- Adaptable for a wide variety of single gen-set applications, supporting diesel, gas and petrol engines.
- Monitors engine speed, oil pressure, coolant temperature, frequency, voltage, current, power and fuel level, giving you comprehensive engine and alternator protection.
- Easy USB configuration via the DSE PC Suite or directly through the controller's panel.
- Additional Synchronization Model (DSE8510) available upon request on customized equipment.

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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

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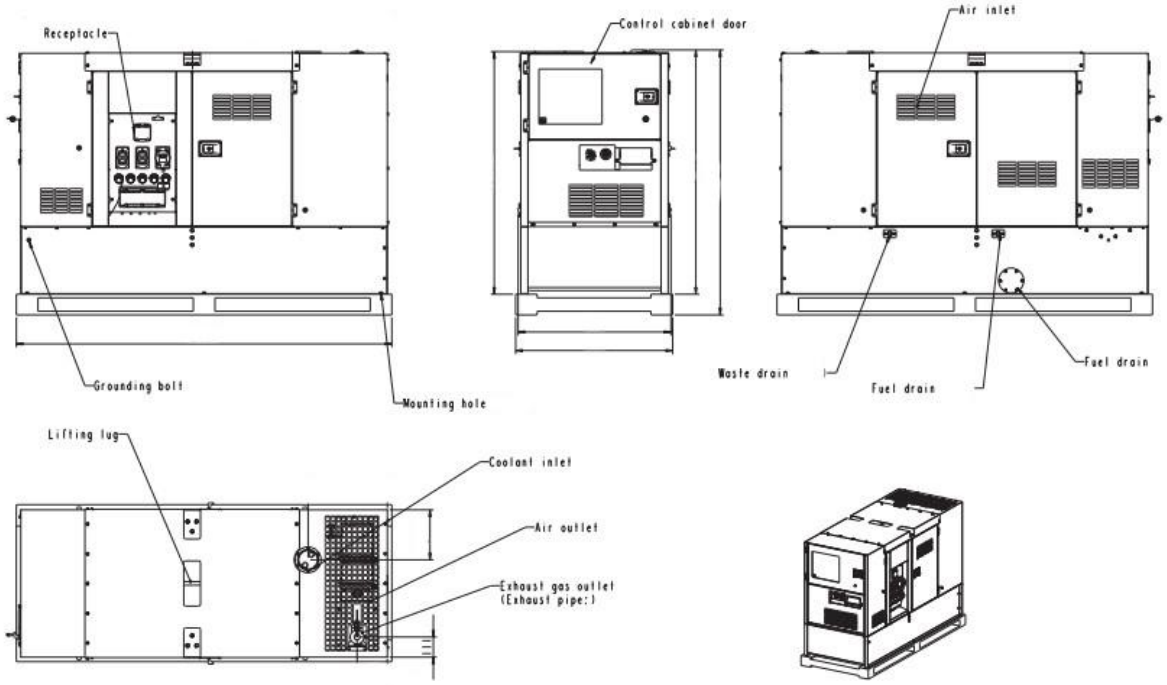
WEIGHT AND DIMENSIONS

Enclosed	
Length (mm)	5952
Width (mm)	1900
Height (mm)	2500
Dry Weight (kg)	8420
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 against erosion, scratching, and corrosion.
- ✓ Advanced water and dust proof design of service doors and canopy board, effectively stopping intrusion from natural elements.
- ✓ 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.

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