



**20 KW / 25 KVA
POWERED by
YANMAR**

MODEL TP-Y20-T4i-60-UL

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

THE POWER OF QUALITY



Available Voltage	Single Phase	Standby	20 kW / 20 kVA
Single or 3 Phase		Prime	18 kW / 18 kVA
120/208, 120/240, 277/480	Three Phase	Standby	20 kW / 25 kVA
Power Factor 1.0 Single Phase, 0.8 Three Phase		Prime	18 kW / 23 kVA

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.

- High quality, reliable and complete power unit
- Compact design
- UL-2200 LISTED
- Easy start and maintenance
- Every generator set is subject to a comprehensive test program which includes full load testing and checking and providing of all control and safety shut down functions testing
- Full 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



Agency Approval: UL 508 R CSA C22.2 No 14 NFPA 110
 CE Compliance: EC LVD-73/23/EEC EN 61000-6-4:2001 EMC EN 50178:1997
 EMC- 89/336/EEC
 EN 610000 6-2:2001 EMC Immunity

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



ENGINE INFORMATION

ENGINE MAKE		Yanmar
Model		4TNV84T-BGGEH
Tier Rating		Tier 4i
Engine Speed	RPM	1800
Engine Power Output at rated rpm	kWm	24.5
	HP	32.4
Cooling		Radiator Cooled
Aspiration		Turbocharged
Total Displacement	Cu. In.	122
No. of Cylinders and Build		4-Inline
Bore and Stroke	mm x mm	84 x 90
Compression Ratio		19.0:1
Governor		Mechanical
Fuel Consumption(Gal/hr)	Full Load	1.97
	75% Load	1.47
	50% Load	1.02
Fuel Tank Capacity (Non-UL)	Gals	30
Oil Capacity	L	7.4
Coolant Capacity	L	13.2
Radiator Cooling Air	m³/min	1.0

<p>Compact, Efficient Power</p> <ul style="list-style-type: none"> • Precision and flexibility come together in this 4-cylinder engine. Self-adjusting poly-vee fan drive provides more than twice the capacity of comparable vee-belts. Either-side service option makes dipstick and oil filter available where you need them. • Dynamically balanced crankshaft • Forged-Steel Connecting Rods • Replaceable Wet-type Cinder Liners 	<p>Certification</p> <ul style="list-style-type: none"> • UL2200 Listed • Generator set is CSA certified and meets ISO 8528-5 standards <p>Cost Effective Power</p> <ul style="list-style-type: none"> • Compact size and low noise. • Lower fuel consumption and oil use. • 600 hour service intervals. • 1 year warranty.
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CONTROLLER INFORMATION

Generator Digital Control Panel

Triton digital controller with auto and manual start capability. Digital readout for: volts between each phase & neutral, volts between phases, amps per phase, frequency, kW and kVA power, power factor, KW hour with accumulation by day, month and year, fuel reserve, oil pressure, coolant temperature, battery volts and charging alternator volts, engine speed, hours running. Engine alarms for high coolant temperature, low oil pressure, emergency stop activated, battery charging failure, low coolant level, low fuel level, over-speed, under-speed and low battery volts.

Engine alarms included: High coolant temperature, low oil pressure, low coolant level, unexpected shutdown, low fuel level, stop failure, low battery voltage, battery charging alternator failure, over-speed, under-speed, start failure and emergency stop. Support of engines with ECU (J1939, Modbus and other proprietary interfaces); alarm codes displayed in text form.

Alternator alarms included: Overload, unbalanced voltage, over voltage, under voltage, over frequency, under frequency, short circuit and reverse power.





ALTERNATOR INFORMATION

Manufacturer	Stamford
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%

STANDARD ITEMS

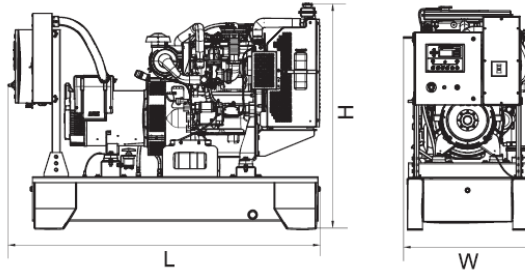
- Mainline Circuit Breaker
- Generator Set mounted on Heavy Duty Steel Base Frame
- Anti-Vibration Pads between Engine/Alternator and Frame
- Forklift Pockets within Base Frame (up to 400 kW)
- Battery Charging Alternator

OPTIONAL ITEMS

ENGINE OPTIONS	<ul style="list-style-type: none"> • Engine Block Heater • Racor Fuel Water Separator • Oil Heater
ALTERNATOR OPTIONS	<ul style="list-style-type: none"> • Permanent Magnet Generator • Anti-Condensation Heater • Oversized Alternator (Motor Starting)
OTHER OPTIONS	<ul style="list-style-type: none"> • Sound Attenuated Enclosure with Critical Silencer (66 db at 7 meters) • Trailer (with or without fuel tank) • UL-142 Base Mounted Fuel Tank • Residential or Critical Grade Silencer

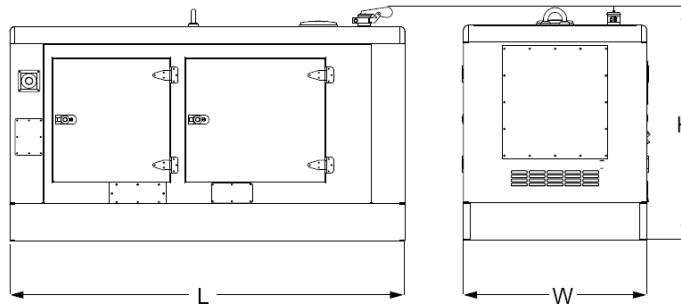


WEIGHT AND DIMENSIONS



SKID MOUNTED GENERATOR

DIMENSIONS (LxWxH)	In	Inquire
DRY WEIGHT (weights are without fuel tank)	lbs	Inquire



SOUND ATTENUATED GENERATOR

DIMENSIONS (LxWxH)	In	78" x 30" x 45"
DRY WEIGHT (weights are without fuel tank)	lbs	1510

FEATURES AND BENEFITS OF ENCLOSURE:		
<ul style="list-style-type: none"> All enclosure parts are modular No welding to reduce corrosion Doors on both sides for easy maintenance All metal parts are powder coated 	<ul style="list-style-type: none"> Critical Exhaust Silencer Included Thermally insulated exhaust system Emergency stop located on exterior Easy Lifting and Moving 	



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