

Specifications & Application Data

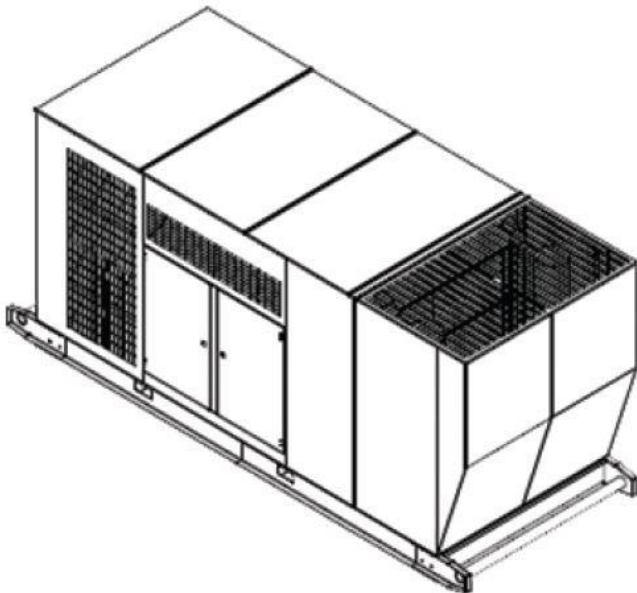
POWERFORCE® Natural Gas Series Generator Sets for Oil & Gas Industry Applications:

- POWERFORCE® Oil & Gas industry generators are designed to meet the rugged demands of the Oil & Gas industry environment, from to production.
- Each model has been designed to provide reliable continuous power to typical Oil & Gas industry electrical loads. All models are extensively tested to ensure they meet the performance requirements of the industry
- POWERFORCE® generators are packaged in a purpose built generator assembly and test facility. Each set goes through a fully documented test procedure before leaving our plant.
- POWERFORCE® models utilize the PSI Natural Gas engines governed to run at 1800 rpm for long life and durability.
- All Oil & Gas industry generators are designed and packaged as Prime Power Rated sets. See rating below for prime power kW



Voltage	Phase	Starting kVA (30% voltage dip)	PF	Prime		Amps @ 480V
				kW	kVA	
277/480	3	TBA	0.8	565	706	848

Rating Data of oil & Gas Industry Generators: Prime – Prime Rating are applicable for supplying continuous power with a 105°C alternator temperature rise.



Engine Specifications	
Manufacturer	PSI
Engine model (Displacement liters)	PSI 31.8L
Type	NG 4-cycle
Number of cylinders & arrangement	12 V-type
Aspiration	Turbocharged
Nominal horse power	869hp
Speed	1800 rpm
Manufacturer model	Marathon model 572RSL6431
Type	Brushless 4-pole
Voltages (3 phases)	277/480V
Frequency	60Hz
Power factor	0.80
Insulation	Class H
Winding temperature rise (Prime)	105°C

Generator Digital Control Panel – For Manual, Automatic and Remote Control



DGC-2020 Digital Genset Controller:

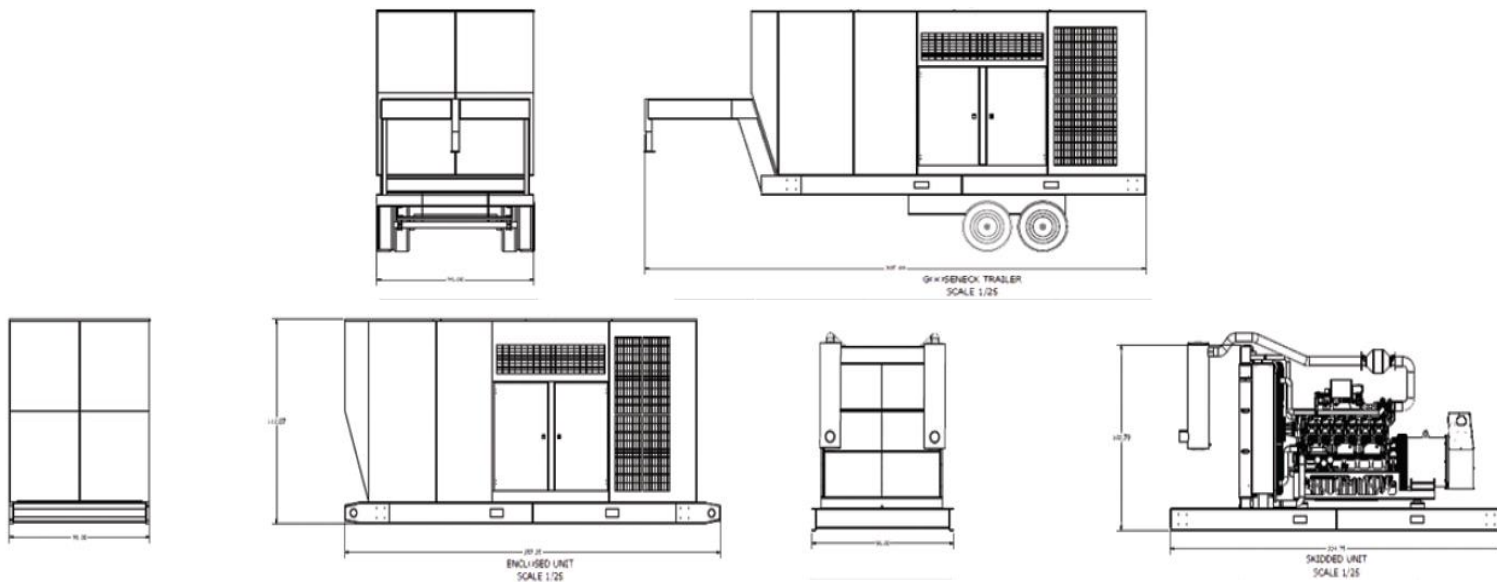
The **POWERFORCE®** is equipped with a proven generator digital controller for rugged environments such as C&I applications, drill platforms, pump jack sites, and landfills. The premium control box has the capability to control the generator set manually, remotely or automatically.

Premium Specifications Include:

- NFPA-110 compliant
- User friendly, fully-configurable, programmable, microprocessor-based logic controller
- Offline Simulator BESTlogic™ helps identify and troubleshoot the logic
- High contrast display is easy to read

Model: PF-50G Natural Gas

Key Dimensions and Sound Levels



Fuel Data		Generator Set Enclosure Dimensions * (All dimensions are in inches and are approximated)				
Type	Consumption (cu. Ft./hour)	L = Length	Width	Height	Weight lbs	dBA
Natural Gas/LPG	6200 CFH	144.00"	96"	112"	20,500 dry	86

*All Measurements are approximate and for estimation purposes only. Weights are without fuel tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.

POWERFORCE® Generator sets comply with applicable codes and standards



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