



# GeneratorJoe

## 13kW<sub>60Hz</sub>

## Gas Field Series

GFSP-1 9/19/2007

### Standard Features

- Radiator (Liquid) Cooled Genset
- Industrial Muffler
- Air Filter, Oil Filter (+ Fuel Filter on diesels)
- Steel Skid Base
- Rubber Isolation Mounts
- Battery Tray
- Battery Cables and Hold Down
- Charging Alternator (3 amp)
- Secondary NG/LP Regulator (gaseous units only)
- Automatic Safety Gas Shut Off (gaseous only)
- Digitec 300 Control Panel
- Auto-Start Capable
- Running Status Contact (dry)
- Remote Start/Stop Contacts (dry)
- Water Tight Connections for Power and Control
- 3/4 inch Gas Connection (gaseous only)
- Quick Connect Oil Drain, Self Sealing
- Breaker Protection System
- Quick Connect Power Termination & Ground Lug
- Steel Fan Guard
- Center Point Lifting Eye
- Prototype and Production Tested
- Meets or Exceeds Tier 3 Non-Road Emissions Regulations
- Meets or Exceeds DOT, BLM, USDAFS and FFG Regs.
- 5 Year or 5,000 Hour Warranty (whichever occurs first).
- Made in the USA

### GeneratorJoe Philosophy

- Build a reliable product for the harshest of operating environments.
- Supply a product which is simple to operate and easy to maintain.
- Use the latest and best technology and materials available.
- Provide the best value in the industry with more features as standard equipment.

### More For Your Money

GeneratorJoe and its manufacturer have been leaders in generator technology since we began operations in 1986. We strive to provide the best in terms of durability, performance, and value in the generator market. Using only world-class engines and components, we hand build the highest quality generators possible. By using high grade materials including, epoxy paint, stainless hardware, and powder coat, you can rest assured your generator will look good for many years to come. Our sound shields were developed using input from the aerospace industry. The results speak quietly on their own with sound canceling effects decreasing noise on average by 50%. We are very committed and proud of our product which is why we offer one of the most extensive warranties available. With the support of an experienced warranty representative, and a multi-million dollar inventory, all your generator needs are just a phone call away. Sales and services are handled by factory trained distributors and dealers reaching across the country and around the world. Everything is done to help us meet your needs and exceed your expectations.

### GFSP-1



### Digitec 300 Controller (standard panel)

- Programmable microprocessor panel
- Engine start up with an automatic preheat system
- Digital display
  - water temperature
  - oil pressure
  - tamper proof hour meter
  - battery voltage
- Safety systems
  - automatic shutdown for low oil pressure
  - high water temperature
  - over speed
  - over frequency
- Three onboard replaceable 40AMP fuses for fuel, crank and timer outputs.
- Compact panel size: 5.5" x 4.3" x 2.16" (L x H x D)
- Conforms to 12V or 24V operations
- User friendly with clear bright display

Complete details also

available on our  
website.

Please visit:

[www.generatorjoe.net](http://www.generatorjoe.net)



## Engine Specifications

Manufacturer	Ford
Engine model	TSG-416
Cylinder arrangement	4 in line 4-cycle
Displacement, cu.in. (cc)	97.4 (1596)
Bore and stroke, in. (mm)	3.23(82) x 2.97(75.5)
Compression ratio	9.5:1
Rated rpm	1800
Max power at rated rpm in bhp, LP(NG)	26(24)
Cylinder head material	Aluminium
Block material	Cast Iron
Governor type	Electronic
Frequency regulation	1%
Air cleaner type	Replaceable Element

## Engine Electrical System

Ignition system	Electronic Distributorless
Battery charging system voltage (DC)	12V
Battery charging system (amps)	90
Starter system voltage (DC)	12V
Battery recommendation (CCA)	500
Battery voltage (DC)	12V
Starter kW	.69

## Generator Specifications

Manufacturer	Newage (or equivalent)
Type	4 Pole
Exciter type	brushless
Leads: Quantity	4
Voltage regulator	AVR
Insulation material	H type
Temperature rise	105° C
Bearing type	sealed
Coupling	direct bolt-up
Voltage regulation	1%
Phase type	1
Power factor	1.0
kW size	13
Mainline breaker (amps)	45

## Lubrication System

Type	Full pressure
Engine oil capacity w/filter, qt.(L)	4.4 (4.16)
Oil filter type	Spin-on

## Weights and Dimensions

	Length in. (cm)	Height in. (cm)	Width in. (cm)	Dry Weight lbs. (kg)	Wet Weight lbs. (kg)
Open Unit	57.5 (146)	32 (81.3)	30.0 (76)	522 (236.8)	541 (245.4)
Enclosed	58.0 (147.5)	33.0 (83.8)	30.5 (77.5)	577 (261.7)	596 (270.3)

## Sound Tables

### dB(A) Without Sound Shield

Load	100%	75%	50%
3'	82	80	78
10'	75	73	70
21'	72	70	68

### dB(A) With Sound Shield

Load	100%	75%	50%
3'	80	78	75
10'	73	70	67
21'	68	66	63

### Generator Ratings (all voltages & phases avail.)

Amps @ 120 60 hz (50 hz available)	108
Amps @ 240 60 hz	54

## Fuel System

Fuel shutoff solenoid	Electric
Fuel pump (diesel)	Electric
Fuel type	LP Gas or Natural Gas
Fuel supply line inlet	3/4 NPT
Fuel supply pressure, oz./in.	7-11

## Cooling System

Engine coolant capacity, qt.(L)	2.11 (2)
Radiator coolant capacity, qt.(L)	4.3 (4)
Water pump type	Centrifugal
Fan diameter, in.(cm)	15 (38)
Fan & Alternator (hp)	2
Fan type	6 blade pusher
Fan rotation from front of engine	Clockwise

## Air Requirements

Engine combustion air intake (CFM)	38
Generator end cooling (CFM)	220
Sound shield air space, in. (cm)	18 (46)

## Exhaust System

Exhaust type	Critical Muffler
Max allowable back pressure (in.hg)	1.34
Exhaust outlet size, in.(cm)	1.5 (3.81)

## Fuel Consumption

100% Load-Natural Gas, cfh(m <sup>3</sup> /hr)	198(5.60)
75% Load-Natural Gas, cfh(m <sup>3</sup> /hr)	160(4.53)
50% Load-Natural Gas, cfh(m <sup>3</sup> /hr)	129(3.65)
100% Load-Propane, cfh(m <sup>3</sup> /hr)	83 (2.35)
75% Load-Propane, cfh(m <sup>3</sup> /hr)	56 (1.59)
50% Load-Propane, cfh(m <sup>3</sup> /hr)	51 (1.44)



# GeneratorJoe

4016 Quartz Drive  
 Santa Rosa, CA 95405  
 Phone: (707) 539-9003  
 Fax: (707) 539-5212  
 Email: sales@generatorjoe.NET  
 Web: www.generatorjoe.NET



## MORE SPECIFICATIONS

### Enclosure (applies to enclosed models only)

- Protects from the elements
- Decrease noise while maintaining airflow
- Sophisticated polyether foam adds further sound deadening on sound enclosures
- Foam is UL 94 HF1 listed for flammability testing
- All aluminum or stainless steel hardware
- 5052 .080 aluminum cabinet
- Euro gray powder coat to ensure a long lasting finish
- Complete teardown in minutes using only a # 2 philips screwdriver
- Doors come off/open via durable, lockable, Southco latches
- Locking control panel door, same key for all doors

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## OPTIONAL EQUIPMENT

### Digitec 400 Controller

Includes all features on the Digitec 300

- Most vivid LCD screen available
- Automatic battery recharge
- Real time clock
- Eight digital programmable inputs
- Twenty-five programmable digital outputs
- Automatic shutdown for any discrepancy in:
  - current
  - speed
  - voltage
  - frequency
  - battery levels
- Password protected
- Fully programmable engine exerciser
- 100 event failure log
- Connection for six industry standard analog senders
- Sleep mode to conserve battery
- 5.47" x 4.45" x 2.56" (L x H x D)

### Color Options

- Bonsai Blue
- Zodiac Blue
- Midnight Black
- Anthracite Gray
- Soft Silver

### Remote Extension Cables

- Mount your panel virtually anywhere
  - Eight of twelve pin rubber molded connectors
  - Extension harness, 5' (1.5 m)
  - Extension harness, 10' (3 m)
  - Extension harness, 20' (6 m)
  - Extension harness, 50' (15.2 m)

### Dual Station Instrumentation

- Analog panel system
  - Full instrumentation at two locations
  - Start and stop capability

### Analog 200 Control Panel

- Three gauge panel
- Water temperature, oil pressure, battery voltage
- Hour meter and preheat display
- Ten second oil pressure bypass timer
- Emergency shutdowns for high water temp and low oil pressure
- 12-volt breaker protection
- 6.75" x 5.5" x .1875" (L x H x D)
- Black over white ABS faceplate

### Remote Start Panel

- Starting and stopping capabilities from a remote location
- Start/Stop switch
- Unit hourmeter
- 3"H x 6"L ABS plate
- Includes "Y" harness

### More Options

- Battery
- Residential or Critical Muffler kits
- 24V kit
- D.O.T. trailers with and without tanks
- Interlocking mounts
- Manual or Automatic transfer switches
- Battery Charger
- Extended telemetry I/O and alarms
- Inline style block heater
- Dual Controls, Extended & "Y" Harnesses
- Engines: Cummins, Ford, GM, Isuzu, John Deere, Kubota, Perkins, Yanmar (subject to availability)

Notice: All information provided is subject to change without notice. kW rating published in this document are approximate standby ratings only. All db(A) measurements were taken with a muffler in an open air environment at the measured amount listed above (see sound table) with an 8-point average taken. Generator testing done under and not to exceed conditions of 110 degree ambient air temperature.

Specifications, features, controls and other data subject to change, substitution or modification without notice. Some data may be approximate. Options may be shown in pictures. This equipment must be installed, operated and serviced in accordance with GeneratorJoe approved engineering drawings, pad requirements and other installation and service instructions. All equipment requires startup by a GeneratorJoe approved professional startup service to validate the warranty. Batteries and fluids are installed as part of the startup and are not included. Warranties subject to cancellation for improper installation, operation or lack of maintenance service. Sales of equipment subject to conditions of sale posted on www.GeneratorJoe.net at Policy & Warranties which are subject to change without notice.

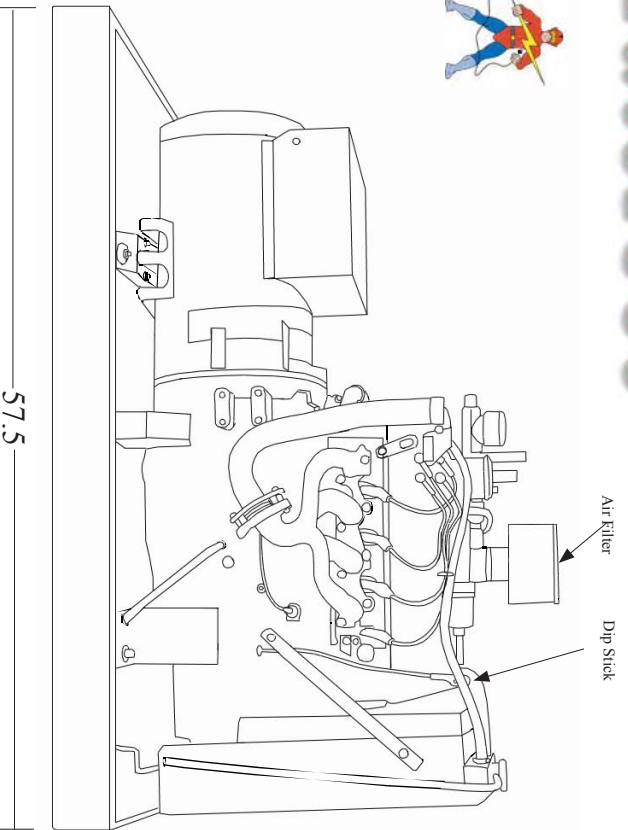
Fuel to equipment must meet minimum residential and/or industrial standards. Proper air intake and exhaust air is required. Fuel BTU must be sufficient to operate the unit. Fuel preparation including water separation and debris removal are required before fuel enters into the generators fuel intake.

For supply of additional units, parts and service contact your GeneratorJoe sale representative at sales@generatorjoe.net or 707 539-9003. This document is GFSP-1 Brochure 9/19/2007

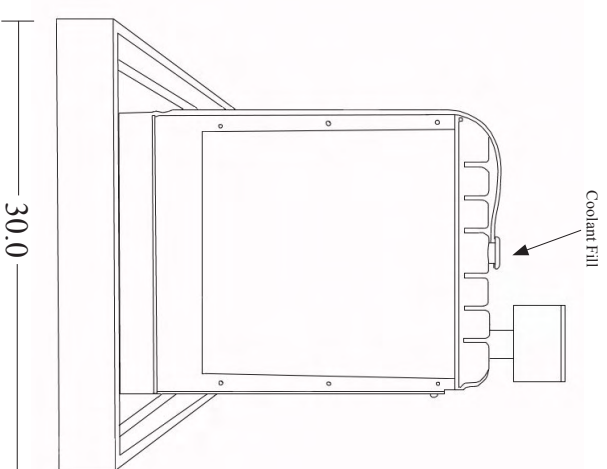


**This model is available powered by Natural Gas, Propane or Diesel engine.  
Contact GeneratorJoe for details. 707 539-9003 or sales@generatorjoe.net**

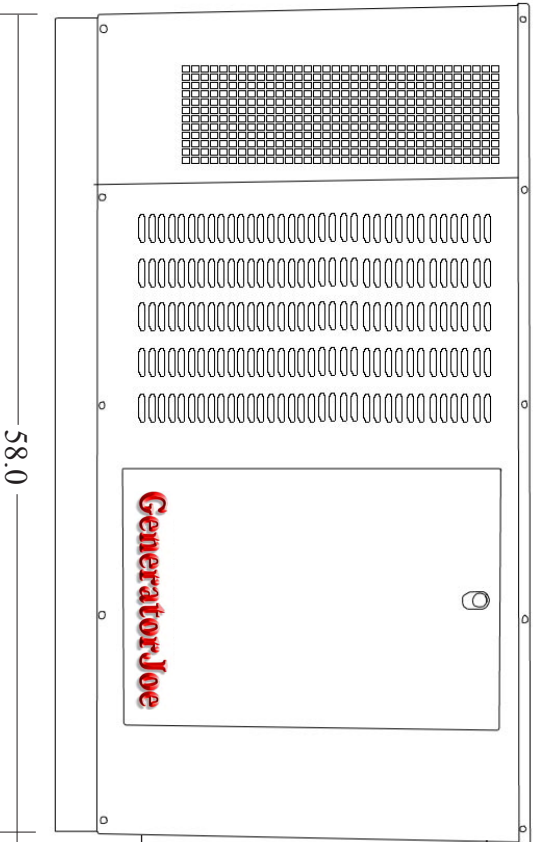
# GeneratorJoe



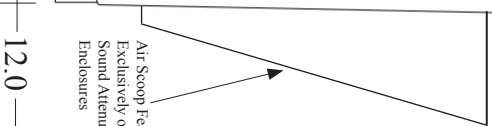
57.5



30.0

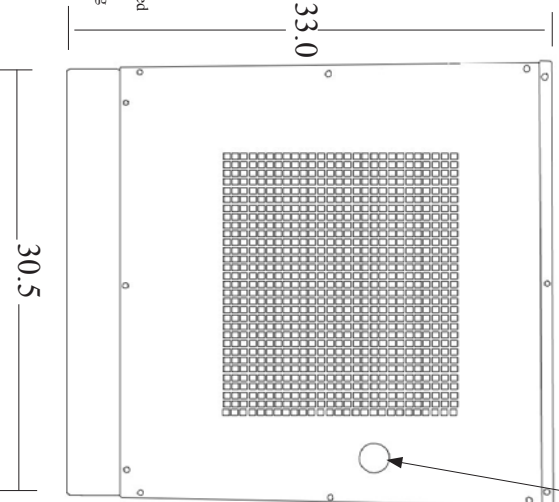


58.0



12.0

Air Scoop Featured Exclusively on Sound Attenuating Enclosures



33.0

30.5

Exhaust Outlet