



GeneratorJoe

Nobody gets the job done like GeneratorJoe!

Navigator "I" Series

NOTE: Dimensions are in inches and drawings are not to scale. Drawings are for reference only and are not intended for construction or installation planning.

Model - 4 NI

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Hertz	60	50
Standby	4.0 kW	3.3 kW
Prime	3.6 kW	3.0 kW

Single Phase 4.3 kW (4.3 kVA) 60 Hz. - 3.6 kW (3.6 kVA) 50 Hz.

Standard Features

- Brushless generator with AVR
- Analog 200 Remote Control Panel
- 10' Extension Harness
- Oil Drain Kit
- Long-Life Air Filter
- Rubber Isolation Mounts
- Stainless Steel Drip Pan
- Single Lifting Point
- Back-up Start Crank Handle
- Marine Grade Epoxy Paint (Ultra White - Standard)
- Hand Built in the USA
- Prototype and Production Tested
- 5 Year/5,000 Hour Warranty

Analog 200 Control Panel

- Three gauge panel
- Water temperature, oil pressure, battery voltage
- Hour meter and preheat
- 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



Best Value For Your Money:

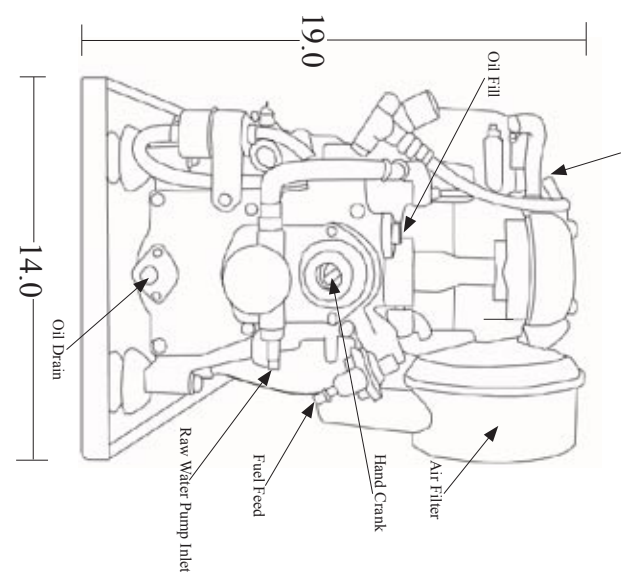
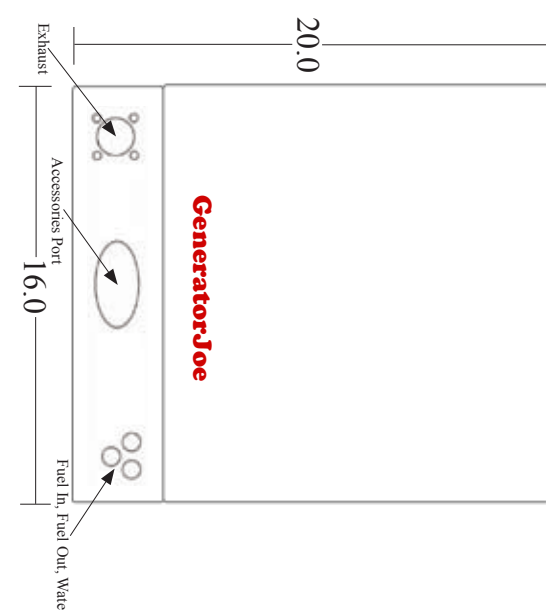
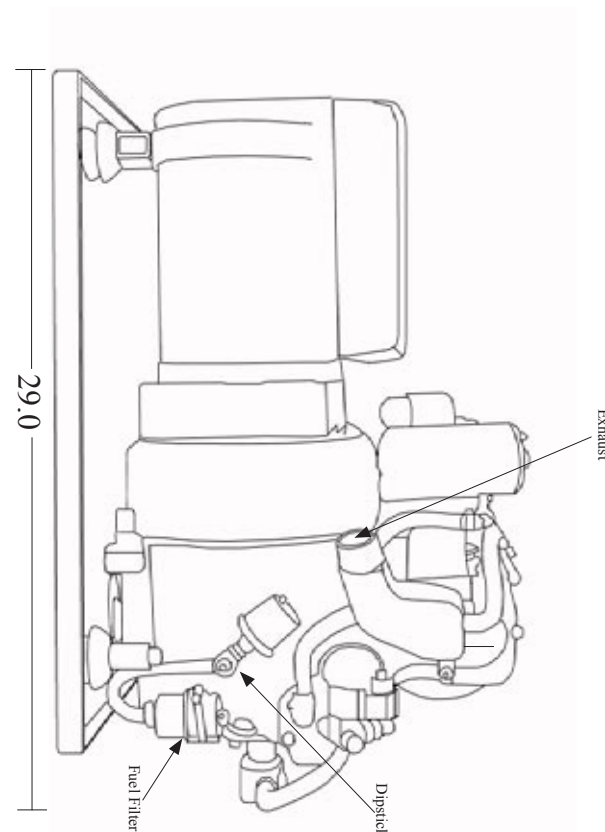
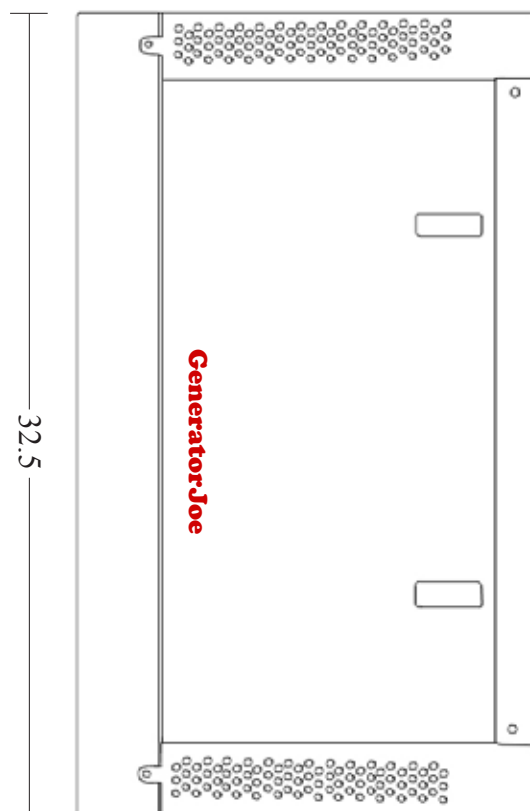
GeneratorJoe has been a leader in generator technology since 1985. We strive to provide the most durable and reliable products with superior performance and value. We use world-class engines and components. We use the finest materials including the best structural and sheet steel, stainless steel hardware, industrial grade fasteners and modern powder coating finishes. Our specifications require each generator to be built by hand so that we can provide you with the highest quality generator available. Our generator sound shields were developed using input from the aerospace industry and have sound canceling effects decreasing noise an average of 50%. We are very committed to our products and offer the most extensive warranty available. Sales and service work are handled by factory trained dealers across the country and around the world. We can supply all your generator needs and we are just a phone call away. **We not only meet your needs, we exceed your expectations.**

GeneratorJoe Mission:

- Utilize the best technology and materials available.
- Build a reliable product for the harshest of operating environments and heaviest of uses.
- Supply a high quality product that is simple to operate, easy to maintain and will provide years of service.
- Provide the best price and warranty available.

Need Help? Call GeneratorJoe at (707) 539-9003 or E-mail us at sales@generatorjoe.NET.

Complete details & prices are shown on our website. Please visit www.generatorjoe.net



GeneratorJoe

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Specifications, features, controls subject to change without notice. Some data approximate. Specifications shown measured for 60 Hz models, 50 Hz models will have lower values. All db(A) measurements made with a muffler in place in an open air environment using an 8-point average. Testing performed at 110° ambient air temperature. Adequate intake & exhaust air capacity is required. Fuel must be an appropriate quality. Equipment must be operated and serviced with GeneratorJoe approved standards. Warranties subject to cancellation for improper operation or maintenance. Options may be shown in pictures. Sales subject to conditions of sale posted on www.generatorjoe.net at "Policy & Warranties" which are subject to change without notice. For parts & service, contact your GeneratorJoe sale representative at sales@generatorjoe.net or 707 539-9003. Copyright © 2008 Quartz Castle Inc. & GeneratorJoe®, All rights reserved. 5/10/08

Engine Specifications	60Hz	50Hz
Manufacturer	Farymann	
Engine model	18W	
Cylinder arrangement	1, 4-cycle	
Displacement, cu.in. (cc)	17.69 (290)	
Bore and stroke, (in.)	3.2 x 2.1	
Compression ratio	20:1	
Rated rpm	3600	1500
Max power at rated rpm (bhp)	6.5	5.5
Cylinder head material	Aluminium	
Block material	Cast Iron	
Governor type	Mechanical	
Frequency regulation	3-5%	
Air cleaner type	Replaceable Element	

Engine Electrical System

Ignition system	Electric
Starter system voltage (DC)	12V
Battery recommendation (CCA)	250
Battery voltage (DC)	12V
Starter kW	0.9

Generator Specifications

Manufacturer	Mecc Alte
Type	2 Pole
Exciter type	Brushless
Leads: Quantity	4
Voltage regulator	Capacitor
Insulation material	H type
Temperature rise	105° C
Bearing type	Sealed
Coupling	Direct Bolt-up
Voltage regulation	5%
Phase type	1
Power factor	1.0
Power Rating kW (kVA)	4.3 (4.3) 3.5 (3.5)
Mainline breaker (amps) optional	15 15

Generator Ratings

Amps @ 120	34	30
Amps @ 240	17	15

Lubrication System

Type	Full Pressure
Engine oil capacity with filter, qt. (L)	1.32 (1.25)
Oil filter type	Spin-on

Fuel System	60Hz	50Hz
Fuel shutoff solenoid		Electric
Fuel pump		Mechanical
Fuel pump priming		Mechanical
Fuel type		#2 Diesel
Fuel pump lift, ft. (m)		4.00 (1.2)
Fuel line supply		5/16
Fuel line return		5/16

Cooling System

Manifold	Water Jacketed
Engine coolant capacity (qts)	1.2
Raw water pump inlet	5/8
Raw water pump type	Belt Driven
Sea water pump flow rate	8gpm
Water pump type	Centrifugal

Air Requirements

Engine combustion air intake (CFM)	8
Generator end cooling (CFM)	151.8
Sound shield air space, in. (cm)	4 (10.1)

Exhaust System

Exhaust type	Water Cooled
Max allowable back pressure (in.hg)	2.8
Exhaust outlet size, in. (cm)	1.5 (3.8)

Fuel Consumption

100% Load, gph (lph)	.446 (1.7)	0.37 (1.42)
75% Load, gph (lph)	.343 (1.3)	0.29 (1.08)
50% Load, gph (lph)	.250 (.9)	0.21 (0.75)

Sound Tables

dB(A) Without Sound Shield				
Load	100%	75%	50%	
3'	94	94	93	
10'	92	92	92	
21'	89	89	88	

dB(A) With Sound Shield				
Load	100%	75%	50%	
3'	79	78	77	
10'	61	60	60	
21'	57	57	56	

Generators
All brands, sizes, types, models, fuels & frequencies.

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Generator Control Systems,
Transfer Switches, Fuel Tanks, Enclosures,
Trailers, Load Banks & Battery Chargers
-
USA and Worldwide

Weights and Dimensions

	Length in. (cm)	Height in. (cm)	Width in. (cm)	Dry Weight lbs. (kg)	Wet Weight lbs. (kg)
Open Unit	29 (73.7)	19 (48.3)	14 (35.6)	130 (59)	133 (60.3)
Enclosed	32.5 (82.6)	20 (50.8)	16 (40.6)	185 (83.9)	188 (85.3)

OPTIONAL EQUIPMENT

□ Digitec 300 Controller

- Programmable microprocessor control panel
- Engine start up with automatic preheat system
- Auto-start with remote start contacts
- Digital display for:
 - Frequency
 - Oil pressure & water temperature
 - Battery voltage
 - Hour meter (tamper proof)
 - Customizable messages
- Safety systems - Automatic shutdown for:
 - Low oil pressure
 - High water temperature
 - Over speed
 - Over frequency
- Three onboard replaceable 40AMP fuses for fuel, crank & timer outputs
- Remote annunciation outputs
- Backlit LCD display with LED's for alarm & status's
- User friendly, manually or computer programmable
- 12V or 24V operation. UL 508 Listed
- 5.5" x 4.3" x 1.6" (L x H x D)

□ Digitec 400 Controller

- Programmable microprocessor panel
- Engine start up with an automatic preheat system
- Auto-start with remote start contacts
- Digital display:
 - Frequency, voltage, current; oil pressure & water temperature, battery voltage, hour meter, (tamper proof), customizable messages
- Backlit LCD display with LED's for alarm & status's
- Automatic battery recharge
- Eight digital programmable inputs
- Twenty-five programmable digital outputs
- Three onboard replaceable 40AMP fuses for fuel, crank & timer outputs
- Automatic shutdown for any discrepancy in:
 - Current, speed, voltage, frequency, battery levels or
 - Low oil pressure, high water temperature, over speed.
- User friendly, manually or computer programmable
- Password protected
- Fully programmable engine exerciser
- 100 event failure log
- Connection for six industry standard analog senders
- Sleep mode to conserve battery
- 12V or 24V operation. UL 508 Listed
- 5.47" x 4.45" x 2.56" (L x H x D)

□ Remote Start Panel

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

□ Dual Station Instrumentation

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

□ Enclosures

- Protects from the elements
- Decrease noise while maintaining airflow
- All aluminum
- 5052 .080 aluminum
- Powder coated to ensure a long lasting finish
- Complete tear-down in minutes using only a #2 Phillips screwdriver
- Doors come off/open via durable Southco latches
- Sophisticated polyester foam adds further sound deadening on sound enclosures
- Foam is UL 94 HF1 listed for flammability testing

□ Remote Extension Cables

- Mount your panel virtually anywhere
- Eight or 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)

More Options

- Battery
- 24V kit
- Interlocking mounts
- Mainline breaker
- In-line style block heater
- Electronic governing
- "Y" harness
- Siphon Break
- Auxiliary Stackable Crank Pulley
- Oversized Raw Water Pump
- Exhaust Muffler

Color Options

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



NOTE: Amps, fuel consumption & sound values shown are for 60 Hertz models, 50 Hertz models values are proportionately reduced.

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