

Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 ONE CAPITOL HILL
 PROVIDENCE RI 02908

CREATION DATE : 30-JAN-12
 BID NUMBER: 7449427
 TITLE: AIR COOL STAND-BY GENERATOR - CCRI
 BID CLOSING DATE AND TIME: 27-FEB-2012 10:00:00

BUYER: Mosca, Gary
 PHONE #: 401-574-8124

**B
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 CCRI CONTROLLER'S OFFICE
 ACCOUNTS PAYABLE
 400 EAST AVENUE
 WARWICK, RI 02886
 US

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 CCRI KNIGHT CAMPUS
 400 EAST AVE
 WARWICK, RI 02886-1807
 US

Requisition Number: 1256526

Note to Bidders: Questions concerning this solicitation may be e-mailed to the Division of Purchases at gary.mosca@purchasing.ri.gov no later than 2/15/12 @ 12:00 NOON (Eastern Time). Please reference the RFP # on all correspondence and send questions in a Microsoft Word format

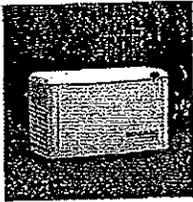
Questions received, if any, will be answered and posted on the Internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information

Line	Description	Quantity	Unit	Unit Price	Total
1	5887 20/18 KW AIRCOOLED STANDBY GENERATOR ALUM ENC	1.00	Each		
2	RTSD200A3 NEXUS 200 AMP SERVICE RATED 120/240	1.00	Each		
3	WIRING FEED	1.00	Each		
4	INSIDE EXHAUST DISCHARCH PIPING	40.00	Each		
5	EXHAUST WRAPPING	1.00	Each		
6	LABOR	1.00	Each		
7	SUPPLY TOTAL COST FOR LINES 1 THRU 6 MOVE EXISTING GENERATOR INTO OWNERS NEXT GARAGE. INSTALL A NEW GENERATOR INTO OWNERS EXISTING GARAGE, REMOVE THE EXISTING TRANSFER SWITCH, AND INSTALL A NEW TRANSFER SWITCH INTO THE EXISTING LOCATION WIRE FROM THE EXISTING JUNCTION BOX OVER TO THE NEW GENERATOR. WIRE ALL SYSTEMS, INSTALL EXHAUST DISCHARGE PIPING OUTSIDE WRAP THE EXHAUST, AND ASSEMBLE ALL SYSTEMS STARTUP AND TEST	1.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer



GENERAC® GUARDIAN® SERIES STANDBY GENERATORS

20 kW

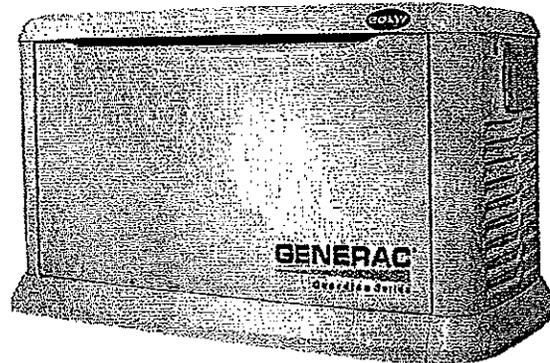
Air-Cooled Gas Engine Generator Sets

Standby Power Rating

Model 005887 1 (Aluminum - Gray) - 20 kW 60Hz

INCLUDES:

- True Power® Electrical Technology
- Two-Line LCD Tri-lingual Digital Nexus™ Controller
- Electronic Governor
- External Main Circuit Breaker, System Status & Maintenance Interval LED Indicators and GFCI Duplex Outlet
- Sound Attenuated Enclosure
- Flexible Fuel Line Connector
- Composite Mounting Pad
- Base Fascia
- Natural Gas or LP Gas Operation
- 3 Year Limited Warranty
- UL 2200 Listed



QUIET TEST

FEATURES

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance
- **TRUE POWER® ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC
- **TEST CRITERIA:**
 - ✓ PROTOTYPE TESTED
 - ✓ SYSTEM TORSIONAL TESTED
 - ✓ NEMA MG1-22 EVALUATION
 - ✓ MOTOR STARTING ABILITY
- **SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine. An unequalled ±1% voltage regulation
- **SINGLE SOURCE SERVICE RESPONSE** from Generac's extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component
- **GENERAC TRANSFER SWITCHES.** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems and controls for total system compatibility

GENERAC®



FEATURES

Generac® Guardian® Series Standby Generator - 20 kW

ENGINE	<ul style="list-style-type: none"> •Generac (OHV) Design 	Maximizes engine "breathing" for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help engine run cooler, reducing oil consumption. Because heat is the primary cause of engine wear, the OHV has a significantly longer life than competitive engines
	<ul style="list-style-type: none"> •"Spiny-lok" cast iron cylinder walls 	Rigid construction and added durability provide long engine life
	<ul style="list-style-type: none"> •Electronic ignition/spark advance 	These features combine to assure smooth, quick starting every time
	<ul style="list-style-type: none"> •Full pressure lubrication system 	Superior lubrication to all vital bearings means better performance, less maintenance and significantly longer engine life. Now featuring a 2 year/200 hour oil change interval
	<ul style="list-style-type: none"> •Low oil pressure shutdown system •High temperature shutdown 	Superior shutdown protection prevents catastrophic engine damage due to low oil Prevents damage due to overheating.
GENERATOR	<ul style="list-style-type: none"> •Revolving field 	Allows for smaller, light weight unit that operates 25% more efficiently than a revolving armature generator
	<ul style="list-style-type: none"> •Skewed stator 	Produces a smooth output waveform for compatibility with electronic equipment
	<ul style="list-style-type: none"> •Displaced phase excitation 	Maximizes motor starting capability
	<ul style="list-style-type: none"> •Automatic voltage regulation •UL 2200 Listed 	Regulates the output voltage to $\pm 1\%$ prevents damaging voltage spikes For your safety
TRANSFER SWITCH	Sold separately	
NEXUS CONTROLS	<ul style="list-style-type: none"> •Manual/Auto/Off switch 	Selects the operating mode
	<ul style="list-style-type: none"> •Utility voltage sensing 	Constantly monitors utility voltage, setpoints 60% dropout, 80% pick-up, of standard voltage
	<ul style="list-style-type: none"> •Generator voltage sensing 	Constantly monitors generator voltage to ensure the cleanest power delivered to the home
	<ul style="list-style-type: none"> •Utility interrupt delay 	Prevents nuisance start-ups of the engine, adjustable 10-30 seconds
	<ul style="list-style-type: none"> •Engine warm-up 	Ensures engine is ready to assume the load, setpoint approximately 5 seconds
	<ul style="list-style-type: none"> •Engine cool-down 	Allows engine to cool prior to shutdown, setpoint approximately 1 minute
	<ul style="list-style-type: none"> •Programmable seven day exerciser 	Operates engine to prevent oil seal drying and damage between power outages by running the generator for 12 minutes every week
	<ul style="list-style-type: none"> •Smart battery charger 	Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature
	<ul style="list-style-type: none"> •Main Line Circuit Breaker 	Protects generator from overload
	<ul style="list-style-type: none"> •Electronic governor 	Maintains constant 60 Hz frequency.
UNIT	<ul style="list-style-type: none"> •Aluminum weather protective enclosure 	Provides the ultimate protection against mother nature. Hinged key locking roof panel for security. Lift-out front for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability
	<ul style="list-style-type: none"> •Enclosed critical grade muffler 	Quiet, critical grade muffler is mounted inside the unit to prevent injuries
	<ul style="list-style-type: none"> •Small, compact attractive 	Makes for an easy, eye appealing installation
	<ul style="list-style-type: none"> •SAE 	Sound attenuated enclosure ensures quiet operation
INSTALLATION SYSTEM	<ul style="list-style-type: none"> •1' Flexible Fuel Line Connector •Composite Mounting Pad 	Easy Installation

SPECIFICATIONS

GENERAC

GENERATOR		Model 005887-1 (20 kW)
Rated Maximum Continuous Power Capacity (LP)		20,000 Watts
Rated Maximum Continuous Power Capacity (NG)		18,000 Watts*
Rated Voltage		240
Rated Maximum Continuous Load Current – 240 Volts		83.3 LP/75 NG
Main Line Circuit Breaker		100 Amp
Number of Rotor Poles		2
Rated AC Frequency		60 Hz
Power Factor		1
Battery Requirements (not included)		Group 26 RT2 Volts and 62.5 Cold Cranking Amperes Minimum
Unit Weight (Pounds/Kilos)		451/204.6
Dimensions (L x W x H) in/mm		46.25 x 20.125 x 69.875 (1172 x 512 x 1774)
Sound output in dB(A) at 23 ft. with generator operating at normal load		66
Sound output in dB(A) at 23 ft. with generator operating at low speed exercise mode		60
ENGINE		Model 005887-1 (20 kW)
Type of Engine		GENERAC OHV VALVE
Number of Cylinders		2
Displacement		99.9 cc
Cylinder Block		Aluminum w/Cast Iron Sleeve
Valve Arrangement		Overhead Valve
Ignition System		Solid-state w/Magneto
Control System		Electronic
Compression Ratio		9.5:1
Oil Capacity		1.9 Qts./1.8L
Fuel Consumption		3.600
Natural Gas	cu.ft./hr.	
	1/2 Load	206
	Full Load	294
Liquid Propane	lb ³ /hr (gal/hr) (Liter/hr)	
	1/2 Load	69 (1.89) [7.15]
	Full Load	106 (2.90) [10.98]
* Rated Maximum Continuous Power Capacity (NG) is based on a 100% duty cycle. The maximum continuous power capacity of the generator is limited by such factors as fuel BTU content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 3.5 percent for each 1,000 feet above sea level.		
CONTROLS		
Control Panel		Simple, Use-Anywhere case operation
Mode Switch		
-Auto		Automatic Start on Utility failure, 7 day exerciser
-Manual/Start		Start with starter control, unit stays on. If utility fails, transfer to load takes place.
Programmable Start Delay		Standard
Engine Start Sequence		Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration)
Engine Cool-Down		1 minute
Starter Lock-Out		Starter cannot engage until 5 sec. after engine has stopped
Smart Battery Charger		Standard
Automatic Voltage Regulation w/Overload and Undervoltage Protection		Standard
Automatic Low Oil Pressure Shutdown		Standard
Over-speed Shutdown		Standard
High Temperature Shutdown		Standard
Over-crank Protection		Standard
Safety Fused		Standard
Partial Cycles Protection		Standard
Low Battery Protection		Standard
Low Voltage Protection		Standard
Future Set Capable Exerciser		Standard
Reverse Polarity Protection		Standard
Internal Fault Protection		Standard
Common Grounded Capability		Standard

Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN8271). * Maximum voltage and current are subject to and limited by such factors as fuel BTU content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 3.5 percent for each 1,000 feet above sea level.

Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

INSPECTION REQUIREMENTS

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. *MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

INSURANCE REQUIREMENTS

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: * PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER * BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. * SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. * ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. * VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

DELIVERY PER AGENCY

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

RIVIP INFO - BID SUBMISSION REQUIREMENTS

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AWARD

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR

MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

LICENSE REQUIREMENTS

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

VENDOR SPECIFICATIONS

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED) FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.

START DATE

STARTING DATE _____ NO. OF WORKING DAYS REQUIRED FOR COMPLETION

WAGE REQUIREMENTS

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at www.purchasing.state.ri.us. SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER RI20100001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.