



# Request for Quote

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

CREATION DATE : 08-MAR-13  
BID NUMBER: 7461317  
TITLE: FURNISH AND INSTALL 2 GENERATORS  
-BRISTOL AND MIDDLETOWN ARMORYS  
  
BID CLOSING DATE AND TIME:29-MAR-2013 10:00:00

BUYER: Cadoret, David  
PHONE #: N/A

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DOA CONTROLLER  
ONE CAPITOL HILL, 4TH FLOOR  
SMITH ST  
PROVIDENCE, RI 02908  
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MS SPECIAL INSTRUCTIONS  
SEE BELOW  
SEE BELOW, RI N/A  
US

Requisition Number: 1305735  
Note to Bidders: THERE WILL BE A MANDATORY PRE BID. SEE ATTACHED FOR INFORMATION.

Line	Description	Quantity	Unit	Unit Price	Total
1	Furnish & Install (1) 60KW Single Phase 120/240 Volt, 1 phase, 60hz, Industrial Diesel Generator As Per The Attached Specifications. No substitution. Bristol location	1.00	Each		
2	Furnish & Install (1) 60KW Single Phase 120/208 Volt, 1 phase, 60hz, Industrial Diesel Generator As Per The Attached Specifications. No substitution. Middletown location	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



**STATE OF RHODE ISLAND  
Department of Administration  
DIVISION OF PURCHASES  
One Capitol Hill  
Providence, RI 02908-5855**

**David Cadoret  
401-574-8131  
David.Cadoret@purchasing.ri.gov  
Purchasing website: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)**

**SOLICITATION INFORMATION  
BID 7461317**

THERE WILL BE A MANDATORY PRE BID FOR BOTH LOCATIONS ON TUESDAY 3/19/13 BEGINNING AT 9AM.

THE FIRST LOCATION FOR THE PRE BID WILL BE:

MIDDLETOWN ARMORY  
106 ACCESS PARK ROAD  
MIDDLETOWN, RI.

UPON COMPLETION OF THE PRE BID AT THE FIRST LOCATION THE SECOND MEETING WILL BE HELD AT:

BRISTOL ARMORY  
470 METACOM AVE.  
BRISTOL, RI

AS IT IS THE STATE'S INTENTION TO AWARD BOTH LOCATIONS TO ONE SUPPLIER, VENDORS MUST SIGN IN AT EACH LOCATION.



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SOLICITATION INFORMATION  
BID 7461317

BRISTOL LOCATION

**STATEMENT OF WORK**

**SCOPE:** install new 60KW generator (as per attached specifications-NO SUBSTITUTION)

**LOCATION:** Bristol Armory 470 Metacom Avenue Bristol RI

**WORK TO BE ACCOMPLISHED:**

PROVIDE AND INSTALL (1) 60 KW 1 PHASE 120/240 VOLT INDUSTRIAL GENERAC DIESEL GENERATOR (LEVEL 2 SOUND ENCLOSURE) AT THE BRISTOL ARMORY.

PROVIDE AND INSTALL (1) 400 AMP SERVICE RATED AUTOMATIC TRANSFER SWITCH ADJACENT TO MAIN SERVICE DISCONNECT.

REWORK EXISTING SERVICE TO ACCOMMODATE NEW ATS, EXTEND CONDUIT AND WIRE TO NEW LOCATION. UNDER GROUND CONDUIT TO BE PVC, RIDGED METAL CONDUIT FOR EXPOSED CONDUIT ABOVE GRADE.

PROVIDE AND INSTALL A REINFORCED CONCRETE PAD ADJACENT TO BUILDING.

-NEW PAD TO BE 12" THICK (3/4" 3000 PSI) CONCRETE REINFORCED WITH 1/2" REBAR 6" ON CENTER.

PROVIDE ALL NECESSARY EXCAVATION. BACKFILL, LOAM AND SEED DISTURBED SITE. PROVIDE START-UP AND TEST OF GENSET AND ATS.

PRICE INCLUDES DELIVERY OF GENERATOR, RIGGING, NECESSARY ENGINEERING, ALL PERMITS AND INSPECTIONS.

PRICE EXCLUDES DIESEL FUEL.



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SOLICITATION INFORMATION  
BID 7461317

BRISTOL LOCATION (CONTINUED)

**STATEMENT OF WORK**

**PERFORMANCE:** Submission of the bid by a contractor shall be accepted as prima facie evidence that they have examined the specification and is satisfied with the nature and location of the work and all matters which can in any way affect the work or cost thereof under this contract. **The project shall be completed with in 90 days of the date the bid is awarded.**

**SITE MANAGEMENT:** If this project initials any construction methods that will hinder any work or traffic activities, all necessary precautions to elevate any hazards or confusion will be provided by the contractor such as signs, alternate routes, equipment, personnel etc. At no extra expense to the owner.

**SAFETY:** The area where the work is to be preformed is in use at all times, therefore, the contractor will protect his work to minimize any danger to the personnel and equipment that are assigned to those areas.

**WORKMANSHIP:** All work will be preformed by qualified mechanics of the trades involved. All work shall be neat, trim, straight, and secure and finished in all details. Any existing work that is damaged will be repaired at no additional cost to the state.

**GUARANTEE:** The contractor shall guarantee all work for a period of one (3) year after acceptance.

**NOTIFICATION:** The construction Supervisor's office shall be notified when work is to begin and shall be kept informed of the contractor's work schedule through the completion of the project, including daily reports to keep track of day to day progress.



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SOLICITATION INFORMATION  
BID 7461317

BRISTOL LOCATION (CONTINUED)

**STATEMENT OF WORK**

**APPROVAL OF MATERIAL:** specification or manufacture's cuts of material to be used on this project shall be submitted to the construction supervisor for approval prior to installation.

**STATE BUILDING CODE:** This project is subjected to all rules and regulation both federal and state. The contractor is obligated to obtain all permits needed to start and finish this project. A copy of all permits and building documentation will be forwarded to the construction supervisor.

**BREACH OF CONTRACT:** Notice is hereby given that the state will take appropriate legal, administrative or contractual action to recover the cost of any damages that may result from the contractor's failure to comply with the provisions of the contract, agreement, purchase order, etc.

**ACCESS TO RECORDS:** Access to contractor's records, documents or banks must be provided to duly authorized representatives of the State, National Guard Bureau and the Comptroller General for the purpose of making audit examination of excerpts and transactions.

**STATE PROVISIONS:** In addition to these provisions, the Office of Purchases will issue other instructions that must be followed.

**MATERIALS:** Unless identified for reuse, all material to be incorporated into the project shall be furnished and installed new by the contractor. The owner reserves the right to approve or disapprove the use of any existing materials by the contractor. The owner all so reserves the right to keep or remove any and all materials associated with this project ex. Metals, Wood, Electronics, ect. The contractor assumes full responsibility for any and all assumptions made concerning the incorporation of existing materials in the new work.



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**SOLICITATION INFORMATION  
BID 7461317**

**BRISTOL LOCATION (CONTINUED)**

**STATEMENT OF WORK**

**FINAL ACCEPTANCE:** The owner will inspect all work prior to the final acceptance and note any deficiencies found so the contractor can rework them at no additional charge to the owner, unless changes were not associated of the original scope of work.



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**SOLICITATION INFORMATION  
BID 7461317**

MIDDLETOWN LOCATION

**STATEMENT OF WORK**

**SCOPE:** Install new 60KW generator (as per attached specifications-NO SUBSTITUTION)

**LOCATION:** Middletown Armory 106 Airport Access Road, State Airpark Middletown RI 02840

**WORK TO BE ACCOMPLISHED:**

PROVIDE AND INSTALL (1) 60 KW 3 PHASE 120/208 VOLT INDUSTRIAL GENERAC DIESEL GENERATOR (LEVEL 2 SOUND ENCLOSURE) AT THE MIDDLETOWN ARMORY.

PROVIDE AND INSTALL (1) 400 AMP ASCO SERIES 300 SERVICE RATED AUTOMATIC TRANSFER SWITCH IN PLACE OF EXISTING MANUAL SWITCH (ASCO CAT #3AUS3400C1C11BG).

REWORK EXISTING SERVICE TO ACCOMMODATE NEW ATS, EXTEND CONDUIT AND WIRE TO NEW LOCATION.

EXPAND EXISTING CONCRETE PAD IN PARKING LOT.

-NEW PAD TO BE 12" THICK (3/4" 3000 PSI) CONCRETE REINFORCED WITH 1/2" REBAR 6" ON CENTER.

TRENCH FROM BUILDING TO EXISTING CONCRETE PAD.

UNDER GROUND CONDUIT TO BE PVC, RIDGED METAL CONDUIT WHERE EVER CONDUIT IS RAN ABOVE GRADE.

PROVIDE ALL NECESSARY ASPHALT CUTTING AND REMOVAL, EXCAVATION, NEW PERMANENT ASPHALT REPAIR AND INSTALLATION OF (8) 4" STEEL BALLARD TO PROTECT GENERATOR FROM PARKING LOT TRAFFIC. BACKFILL, LOAM AND SEED DISTURBED SITE AREA.

PROVIDE START-UP AND TEST OF GENSET AND ATS.

PRICE INCLUDES DELIVERY OF GENERATOR, RIGGING, NECESSARY ENGINEERING, ALL PERMITS AND INSPECTIONS.

PRICE EXCLUDES DIESEL FUEL.



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# MIDDLETOWN LOCATION

**GENERAC®**

**Quantity 1 - Generac industrial diesel engine driven generator, turbocharged, 4 cylinder 4.5L engine, consisting of the following features and accessories:**

- **SD0060GG174.5D18HBSY3**
- **60 kW Rating** , synchronous alternator, wired for **120/208 VAC 3 Phase, 60 HZ**
- Brushless excitation
- 0.25% voltage regulation
- H-100 Control Panel
  - Meets NFPA 99 and 110 requirements
  - Temp Range -40 to 70 degrees C
  - Digital microprocessor:
    - Two 4 line x 20 displays, full system status
    - 3 phase sensing, +/-0.25% digital voltage regulation
    - RS232, RS485 and Canbus remote ports
    - Waterproof connections
    - All engine sensors are 4-20 ma for minimal interference
    - Programmable I/O
    - Built-in PLC for special applications
  - Engine function monitoring and control:
    - Full range standby operation; Programmable auto crank, Emergency Stop, Auto-Off- Manual switch
    - Isochronous governor, +/-0.25% frequency regulation
    - Full system status on all AC output and engine function parameters
    - Service reminders, trending, fault history (alarm log)
    - I2T function for full generator protection
    - Selectable low-speed exercise
  - HTS transfer switch function monitoring and control
  - 2-wire start controls for any 2-wire transfer switch
- Electronic governor Frequency regulation, isochronous Steady state regulation +/-0.25%
- **250A UL mainline circuit breaker**
- **Sound attenuated, Level 1 Acoustic enclosure**
  - Industrial Grey Enclosure, powder paint finish
  - Integral critical grade muffler
- 110AH, GRP 31, 925 CCA battery
  - w/rack installed
- 10A Battery charger-installed
- Battery charging alternator
- Battery cables
- Battery tray

- Fuel shut-off solenoid valve
- Solenoid activated starter motor
- Fuel filter
- Air cleaner and oil filter with internal bypass
- Oil and antifreeze
- Oil and radiator drain extensions
- Vibration isolators between engine/alternator and base frame
- Standard flex exhaust
- Block heater 1500W
- **24" 189 Gal DW Basetank**
  - STD Fuel Level Sender
  - w/fuel level indicating gauge
  - UL approved
- Emergency Vent
- Engine run relay
- 100dBA Alarm horn
- 120V GFCI & 240V Outlet
- Pad type vibration isolators
  - Ship Loose
- Standard set of 3 manuals
- CUL Listed
- STD 2-year limited warranty
- EPA/CARB Certified Engine
- SCAQMD Certified Engine
- Standard Electronic Governor
- Two (2) year standard warranty

Quantity 1 - Freight

Quantity 1 - Start-up

Quantity 1 - Service Entrance Rated ATS :

- ASCO 300 Series
  - 120/208V
  - 400A
  - 3Phase
  - NEMA 3R
  - Programmable Exerciser
-

# SD060

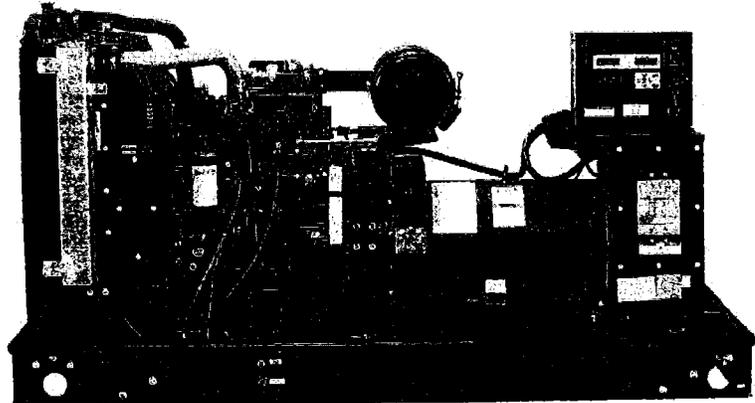
## Industrial Diesel Generator Set EPA Certified Stationary Emergency

60 kW Diesel

1 of 5

Standby Power Rating  
**75kVA 60kW 60Hz**

Prime Power Rating  
**68kVA 54kW 60Hz**

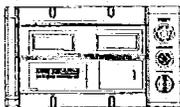
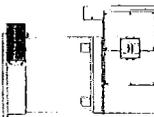
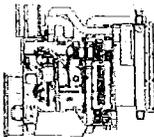
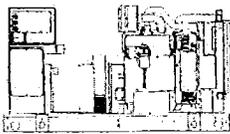


Generator image used for illustration purposes only

\*EPA Certified Prime ratings are not available in the U.S. or its Territories for engine model year 2011 and beyond

### features

### benefits



#### Generator Set

- PROTOTYPE & TORSIONALLY TESTED
- UL2200 TESTED
- RHINOCOAT PAINT SYSTEM
- WIDE RANGE OF ENCLOSURES AND TANKS
- PROVIDES A PROVEN UNIT
- ENSURES A QUALITY PRODUCT
- IMPROVES RESISTANCE TO ELEMENTS
- PROVIDES A SINGLE SOURCE SOLUTION

#### Engine

- EPA COMPLIANT
- INDUSTRIAL TESTED, GENERAC APPROVED
- POWER-MATCHED OUTPUT
- INDUSTRIAL GRADE
- ENVIRONMENTALLY FRIENDLY
- ENSURES INDUSTRIAL STANDARDS
- ENGINEERED FOR PERFORMANCE
- IMPROVES LONGEVITY AND RELIABILITY

#### Alternator

- TWO-THIRDS PITCH
- LAYER WOUND ROTOR & STATOR
- CLASS H MATERIALS
- DIGITAL 3-PHASE VOLTAGE CONTROL
- ELIMINATES HARMFUL 3RD HARMONIC
- IMPROVES COOLING
- HEAT TOLERANT DESIGN
- FAST AND ACCURATE RESPONSE

#### Controls

- ENCAPSULATED BOARD W/ SEALED HARNESS
- 4-20mA VOLTAGE-TO-CURRENT SENSORS
- SURFACE-MOUNT TECHNOLOGY
- ADVANCED DIAGNOSTICS & COMMUNICATIONS
- EASY, AFFORDABLE REPLACEMENT
- NOISE RESISTANT 24/7 MONITORING
- PROVIDES VIBRATION RESISTANCE
- HARDENED RELIABILITY

primary codes and standards



## SD060

## application and engineering data

## ENGINE SPECIFICATIONS

**General**

Make	Iveco / FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	4
Type	Diesel
Displacement - L (cu. in.)	4.5 (274)
Bore - mm (in.)	105 (4.1)
Stroke - mm (in.)	132 (5.2)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged
Cylinder Head Type	2 Valve
Piston Type	Aluminum
Crankshaft Type	Forged Steel
Engine Block Type	Cast Iron / Wet Sleeve

**Engine Governing**

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	± 0.25%

**Lubrication System**

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	13.6 (14.4)

**Cooling System**

Cooling System Type	Closed
Water Pump Flow	Belt Driven Centrifugal
Fan Type	Pusher
Fan Blade Number	2538
Fan Diameter mm (in.)	26
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120

**Fuel System**

Fuel Type*	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	¼" NPT
Fuel Return Line - mm (in.)	¼" NPT

**Engine Electrical System**

System Voltage	12VDC
Battery Charging Alternator	Std
Battery Size (at 0°C)	995 CCA
Battery Group	31
Battery Voltage	12 Volt DC
Ground Polarity	Negative

## ALTERNATOR SPECIFICATIONS

Standard Model	390 mm Generac
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Synchronous Brushless
Bearings	One-Pre Lubed & Sealed
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes

Voltage Regulator Type	Digital
Number of Sensed Phases	3
Regulation Accuracy (Steady State)	± 0.25%

## CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99	BS5514
NFPA 110	SAE J1349
ISO 8528-5	DIN6271
ISO 1708A.5	IEEE C62.41 TESTING
ISO 3046	NEMA ICS 1

## Rating Definitions:

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%)

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of every 12 hours.

**SD060**

**operating data (60Hz)**

**POWER RATINGS (kW)**

Single-Phase 120/240VAC @1.0pf  
 Three-Phase 120/208VAC @0.8pf  
 Three-Phase 120/240VAC @0.8pf  
 Three-Phase 277/480VAC @0.8pf  
 Three-Phase 346/600VAC @0.8pf

STANDBY			PRIME		
60 kW	Amps: 250		44 kW	Amps: 225	
60 kW	Amps: 208		44 kW	Amps: 187	
60 kW	Amps: 180		44 kW	Amps: 162	
60 kW	Amps: 90		44 kW	Amps: 81	
60 kW	Amps: 72		44 kW	Amps: 65	

**STARTING CAPABILITIES (sKVA)**

**sKVA vs. Voltage Dip**

Alternator	kW	480VAC						208/240VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	60	42	63	83	104	125	146	32	47	62	78	94	110
Upsize 1	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 2	100	79	118	157	197	236	275	59	89	118	148	177	206

**FUEL**

**Fuel Consumption Rates\***

Fuel Pump Lift - in (mm)	36 (900)
Total Fuel Pump Flow (Combustion + Return)	13.6 gph

STANDBY			PRIME		
Percent Load	gph	lph	Percent Load	gph	lph
25%	1.4	5.3	25%	1.3	4.9
50%	2.7	10.2	50%	2.4	9.1
75%	3.8	14.4	75%	3.4	12.9
100%	4.8	18.2	100%	4.4	16.7

\* Refer to "Emissions Data Sheet" for maximum fuel flow for EPA and SCAQMD permitting purposes.

**COOLING**

		STANDBY	PRIME
Coolant Flow per Minute	gpm (lpm)	32.7 (123.8)	32.7 (123.8)
Heat Rejection to Coolant	BTU/hr	123,000	123,000
Inlet Air	cfm (m3/min)	6,360 (180)	6,360 (180)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)	122 (50)
Max. Operating Ambient Temperature	F° (C°)	104 (40)	104 (40)
Coolant System Capacity	gal (L)	(4.5) 17.44	(4.5) 17.44
Maximum Radiator Backpressure	in H <sub>2</sub> O	1.5	1.5

**COMBUSTION AIR REQUIREMENTS**

		STANDBY	PRIME
Flow at Rated Power	cfm (m3/min)	247 (7.00)	222 (6.30)

**ENGINE**

		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW**	hp	93	84
Piston Speed	ft/min	1559 (475)	1559 (475)
BMEP	psi	154	143

\*\* Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCAQMD permitting purposes.

**EXHAUST**

		STANDBY	PRIME
Exhaust Flow (Rated Output)	cfm (m <sup>3</sup> /min)	534 (15.1)	502 (14.2)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	930 (498.8)	857 (459)
Exhaust Outlet Size (Open Set)	NPT (male)	3.0	3.0

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

## SD060

## standard features and options

### GENERATOR SET



<input checked="" type="radio"/> Genset Vibration Isolation	Std
<input type="radio"/> IBC Seismic Certified/Seismic Rated Vibration Isolators	Opt
<input type="radio"/> Extended warranty	Opt
<input type="radio"/> Gen-Link Communications Software	Opt
<input type="radio"/> Steel Enclosure	Opt
<input type="radio"/> Aluminum Enclosure	Opt

### ENGINE SYSTEM



#### General

<input checked="" type="radio"/> Oil Drain Extension	Std
<input type="radio"/> Oil Make-Up System	Opt
<input type="radio"/> Oil Heater	Opt
<input checked="" type="radio"/> Air cleaner	Std
<input checked="" type="radio"/> Fan guard	Std
<input checked="" type="radio"/> Radiator duct adapter	Std

#### Fuel System

<input checked="" type="radio"/> Fuel lockoff solenoid	Std
<input checked="" type="radio"/> Secondary fuel filler	Std
<input checked="" type="radio"/> Stainless steel flexible exhaust connection	Std
<input checked="" type="radio"/> Industrial Exhaust Silencer	Std
<input type="radio"/> Critical Exhaust Silencer	Opt
<input type="radio"/> Flexible fuel lines	Opt
<input type="radio"/> Primary fuel filter	Opt
<input type="radio"/> Single Wall Tank (Export Only)	-
<input type="radio"/> UL 142 Fuel Tank	Opt

#### Cooling System

<input type="radio"/> 120VAC Coolant Heater	Opt
<input type="radio"/> 208VAC Coolant Heater	Opt
<input type="radio"/> 240VAC Coolant Heater	Opt
<input type="radio"/> Other Coolant Heater	-
<input checked="" type="radio"/> Closed Coolant Recovery System	Std
<input checked="" type="radio"/> UV/Ozone resistant hoses	Std
<input checked="" type="radio"/> Factory-installed Radiator	Std
<input checked="" type="radio"/> Radiator Drain Extension	Std

#### Engine Electrical System

<input checked="" type="radio"/> Battery charging alternator	Std
<input checked="" type="radio"/> Battery cables	Std
<input checked="" type="radio"/> Battery tray	Std
<input type="radio"/> Battery box	Opt
<input type="radio"/> Battery heater	Opt
<input checked="" type="radio"/> Solenoid activated starter motor	Std
<input type="radio"/> 2.5A UL battery charger	Opt
<input type="radio"/> 10A UL float/normalize battery charger	Opt
<input checked="" type="radio"/> Rubber-booted engine electrical connections	Std

### ALTERNATOR SYSTEM



<input checked="" type="radio"/> UL2200 GENprotect™	Std
<input type="radio"/> Main Line Circuit Breaker	Opt
<input type="radio"/> 2nd Circuit Breaker	Opt
<input type="radio"/> 3rd Circuit Breaker	Opt
<input type="radio"/> Alternator Upsizing	Opt
<input type="radio"/> Anti-Condensation Heater	Opt
<input type="radio"/> Tropical coating	Opt
<input type="radio"/> Permanent Magnet Generator	Opt

### CONTROL SYSTEM



#### Control Panel

<input checked="" type="radio"/> Digital H Control Panel - Dual 4x20 Display	Std
<input type="radio"/> Digital G-100 Control Panel - Touchscreen	na
<input type="radio"/> Digital G-200 Paralleling Control Panel - Touchscreen	na
<input checked="" type="radio"/> Programmable Crank Limiter	Std
<input type="radio"/> 21-Light Remote Annunciator	Opt
<input type="radio"/> Remote Relay Panel (8 or 16)	Opt
<input checked="" type="radio"/> 7-Day Programmable Exerciser	Std
<input checked="" type="radio"/> Special Applications Programmable PLC	Std
<input checked="" type="radio"/> RS-232	Std
<input checked="" type="radio"/> RS-485	Std
<input checked="" type="radio"/> All-Phase Sensing DVR	Std
<input checked="" type="radio"/> Full System Status	Std
<input checked="" type="radio"/> Utility Monitoring (Req. H-Transfer Switch)	Std
<input checked="" type="radio"/> 2-Wire Start Compatible	Std
<input checked="" type="radio"/> Power Output (KW)	Std
<input checked="" type="radio"/> Power Factor	Std
<input checked="" type="radio"/> Reactive Power	Std
<input checked="" type="radio"/> All phase AC Voltage	Std
<input checked="" type="radio"/> All phase Currents	Std
<input checked="" type="radio"/> Oil Pressure	Std
<input checked="" type="radio"/> Coolant Temperature	Std
<input checked="" type="radio"/> Coolant Level	Std
<input type="radio"/> Oil Temperature	Opt
<input checked="" type="radio"/> Fuel Pressure	Std
<input checked="" type="radio"/> Engine Speed	Std
<input checked="" type="radio"/> Battery Voltage	Std
<input checked="" type="radio"/> Frequency	Std
<input checked="" type="radio"/> Date/Time Fault History (Event Log)	Std
<input type="radio"/> Low-Speed Exercise	-
<input checked="" type="radio"/> Isochronous Governor Control	Std
<input checked="" type="radio"/> -40deg C - 70deg C Operation	Std
<input checked="" type="radio"/> Waterproof Plug-In Connectors	Std
<input checked="" type="radio"/> Audible Alarms and Shutdowns	Std
<input checked="" type="radio"/> Not in Auto (Flashing Light)	Std
<input checked="" type="radio"/> Auto/Off/Manual Switch	Std
<input checked="" type="radio"/> E-Stop (Red Mushroom-Type)	Std
<input type="radio"/> Remote E-Stop (Break Glass-Type, Surface Mount)	Opt
<input type="radio"/> Remote E-Stop (Red Mushroom-Type, Surface Mount)	Opt
<input type="radio"/> Remote E-Stop (Red Mushroom-Type, Flush Mount)	Opt
<input checked="" type="radio"/> NFPA 110 Level I and II (Programmable)	Std
<input checked="" type="radio"/> Remote Communication - RS232	Std
<input type="radio"/> Remote Communication - Modem	Opt
<input type="radio"/> Remote Communication - Ethernet	Opt
<input type="radio"/> 10A Run Relay	Opt

#### Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)

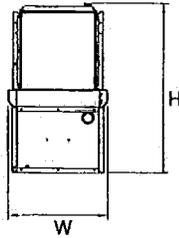
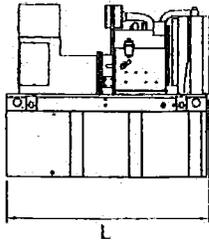
<input type="radio"/> Low Fuel	Opt
<input checked="" type="radio"/> Oil Pressure (Pre-programmed Low Pressure Shutdown)	Std
<input checked="" type="radio"/> Coolant Temperature (Pre-programmed High Temp Shutdown)	Std
<input checked="" type="radio"/> Coolant Level (Pre-programmed Low Level Shutdown)	Std
<input type="radio"/> Oil Temperature	Opt
<input checked="" type="radio"/> Engine Speed (Pre-programmed Overspeed Shutdown)	Std
<input checked="" type="radio"/> Voltage (Pre-programmed Overvoltage Shutdown)	Std
<input checked="" type="radio"/> Battery Voltage	Std

#### Other Options

<input type="radio"/>	
<input type="radio"/>	
<input type="radio"/>	

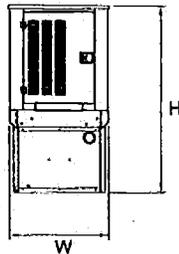
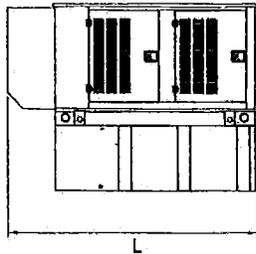
**SD060**

**dimensions, weights and sound levels**



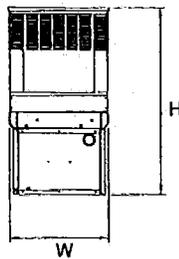
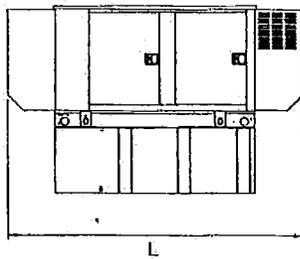
**OPEN SET**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	93	40	49	2425	86.3
16	79	93	40	62	2947	
39	189	93	40	74	3183	
63	300	93	40	86	3407	
73	350	110	40	86	3809	
106	510	117	47	86	3790	
123	589	128	49	86	4269	



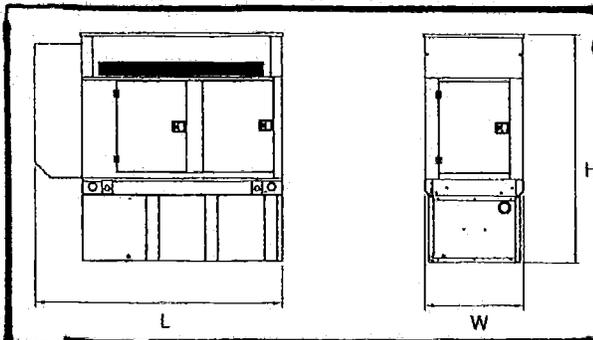
**WEATHERPROOF ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	112	41	56	2850	80.5
16	79	112	41	69	3372	
39	189	112	41	81	3608	
63	300	112	41	93	3832	
73	350	112	41	93	4234	
106	510	117	47	93	4215	
123	589	128	49	93	4694	



**LEVEL 1 SOUND ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	130	41	56	2875	74.7
16	79	130	41	69	3397	
39	189	130	41	81	3633	
63	300	130	41	93	3857	
73	350	130	41	93	4259	
106	510	130	47	93	4240	
123	589	130	49	93	4719	



**LEVEL 2 SOUND ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	112	41	69	3050	71.6
16	79	112	41	82	3572	
39	189	112	41	94	3808	
63	300	112	41	106	4032	
73	350	112	41	106	4434	
106	510	117	47	106	4415	
123	589	128	49	106	4894	

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

**Tank Options**

<input type="radio"/> MDEQ	OPT
<input type="radio"/> Florida DERM/DEP	OPT
<input type="radio"/> Chicago Fire Code	OPT
<input type="radio"/> IFC Certification	CALL
<input type="radio"/> ULC	CALL

Other Custom Options Available from your Generac Industrial Power Dealer

**YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER**

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

# ASCO SERIES 300SE Power Transfer Switch

The ASCO Service Entrance Power Transfer Switch combines automatic power switching with the necessary disconnecting, grounding, and bonding required for use as service entrance equipment. The power transfer switch meets all National Electrical Code requirements for service entrance use. Transfer switches generally are installed at facilities that have a single utility feed and a single emergency power source.

ASCO SERIES 300SE products use two types of construction.

Products 400 amperes or less, utilize a single enclosure including a service (utility source) disconnect circuit breaker, as well as the power transfer switch, grounding and bonding provisions.

Products 600 amperes and above, utilize a multi-section switchboard construction including a service equipment section containing the service (utility source) disconnect circuit breaker, grounding, and bonding provisions. A second section contains the power transfer switch.

## Product Features:

- Suitable for use as service entrance equipment. Listed to UL 891 (standard for switchboards) for 600 - 3000 amps, sizes and UL 1008 (standard for panel-boards) for 70 - 400 amps.
- Automatic Transfer Switch is listed to UL 1008 for total system loads
- Sizes available from 70 - 3000 amps, 600 VAC, 50 or 60 Hz, single or three phase
- Silver plated copper ground and neutral bus solderless screw type terminals
- Ground fault trip protection provided on sizes 1000 amps and above
- Available with solid or switched neutral

### 600 - 3000 Amp Construction

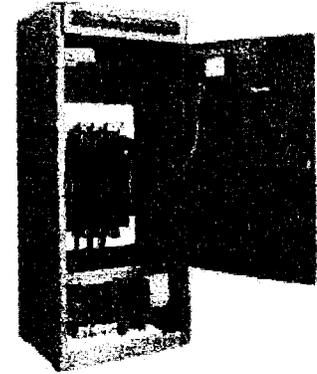
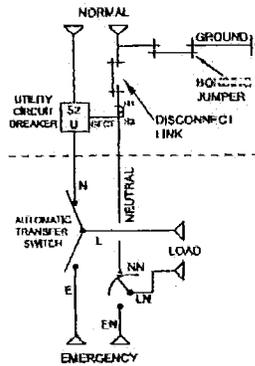


Fig. 16: ASCO SERIES 300 SE Rated 800 amperes Type 1 enclosure with Service Entrance Equipment

### 70 - 400 Amp Construction

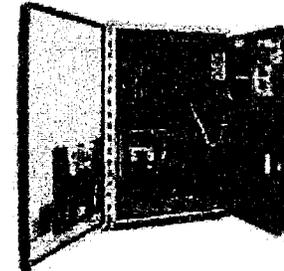
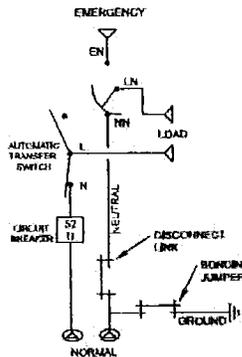


Fig. 17: ASCO SERIES 300 SE rated 200 amperes in Type 1 enclosure with single source breakers

# ASCO SERIES 300SE Transfer Switch Ordering Information

To order an ASCO SERIES 300SE Power Transfer Switch, complete the following catalog number:

3AUS + B + 3 + 400 + N + 1 + X + C + 11CD + 240V/60											
Product	Neutral Code	Phase Poles	Amperes Continuous Rating	Voltage Code		Controller	Options	Enclosure		Accessories	Volt & Freq
				A	B			Blank	Open Type		
3AUS	B <sup>1</sup> Switched Neutral	2 poles, 1Ø  3 poles, 3Ø	70, 100, 150, 200 <sup>2</sup> , 225 <sup>2</sup> , 250, 400, 600, 800, 1000, 1200, 1600, 2000, 2500, 3000	A <sup>3</sup> 115 B <sup>3</sup> 120 C 208 D 220 E 230 F 240 H 380 J 400 K 415 L 440 M 460 N 480 Q 575 R 600	1	Insert "X" If optional accessories are required	C F G H L M N P R	Blank Open Type Type 1 (Standard) Type 3R Type 4 <sup>2</sup> Type 4X Type 12 <sup>2</sup> Type 3R Secure Type 4 Secure Type 4X <sup>6</sup> Secure Double Door SS Type 3RX <sup>7,8</sup> Secure Double Door SS	118C Programmable Engine Exciter 14AA/14BA Auxiliary Contacts (2 sets) 44G Strip Heater w/Thermostat 72A Serial Module 72E Connectivity Module 73A Surge Suppressor	This information is necessary to allow correct control settings prior to shipment.	

1. 2000, 2500 are not available for use with copper cable only.

2. Available 70-1000 ampacity. Use Type 3R for 1200-3000 amp applications.

3. 115-120 volt available 150-400 amps only.

4. A solid neutral is standard on 3AUS.

5. For switch sizes 70-225 amperes only.

6. 2000, 2500 are not available for use with copper cable only.

7. Type 316 Stainless Steel is standard. It provides an improved reduction in corrosion of salt and some chemicals. It is the preferred choice for marine environments.

8. Available only on switches rated 1200, 2000, 2500, and 3000 Amps.

# ASCO<sup>®</sup> SERIES 300SE Transfer Switch Dimensions and Shipping Weights

## UL Type 1 Enclosure<sup>4</sup>

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, In. (mm)			Approx. Shipping Weight Lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225	2	STD	36.5 (927)	48.5 (1232)	13.25 (337)	400 (185)
	2	B	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	STD	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	B	36.5 (927)	48.5 (1232)	13.25 (337)	416 (192)
250, 400	2	STD	36.5 (927)	48.5 (1232)	13.25 (337)	400 (185)
	2	C	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	STD	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	C	36.5 (927)	48.5 (1232)	13.25 (337)	416 (192)
600 <sup>1</sup> , 800 <sup>1</sup>	2	STD	38 (965)	91 (2311)	28 (711)	800 (370)
	2	B	38 (965)	91 (2311)	28 (711)	820 (378)
	3	STD	38 (965)	91 (2311)	28 (711)	820 (378)
	3	B	38 (965)	91 (2311)	28 (711)	846 (390)
1000 <sup>1</sup> , 1200 <sup>1</sup>	2	STD	38 (965)	91 (2311)	48 (1218)	1085 (501)
	2	B	38 (965)	91 (2311)	48 (1218)	1105 (510)
	3	STD	38 (965)	91 (2311)	48 (1218)	1105 (510)
	3	B	38 (965)	91 (2311)	48 (1218)	1134 (523)
1600 <sup>1</sup> , 2000 <sup>1</sup>	3	STD	38 (965)	91 (2311)	48 (1218)	2590 (1198)
	3	B	38 (965)	91 (2311)	48 (1218)	2640 (1218)
2500 <sup>1</sup> , 3000 <sup>1</sup>	3	STD	38 (965)	91 (2311)	72 (1829)	4590 (2118)
	3	B	38 (965)	91 (2311)	72 (1829)	4655 (2148)

## UL Type 3R Enclosure<sup>4</sup>

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, In. (mm)			Approx. Shipping Weight Lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225 must specify	2	STD	36(914)	48(1219)	16 (406)	180 (83)
	2	B	36(914)	48(1219)	16 (406)	188 (87)
	3	STD	36(914)	48(1219)	16 (406)	188 (87)
	3	B	36(914)	48(1219)	16 (406)	196 (90)
250, 400	2	STD	36(914)	48(1219)	16 (406)	440 (203)
	2	C	36(914)	48(1219)	16 (406)	448 (207)
	3	STD	36(914)	48(1219)	16 (406)	448 (207)
	3	C	36(914)	48(1219)	16 (406)	485 (225)
600 <sup>1</sup> , 800 <sup>1</sup>	2	STD	41(1041)	95.5(2426)	34(864)	990 (458)
	2	B	41(1041)	95.5(2426)	34(864)	1010 (467)
	3	STD	41(1041)	95.5(2426)	34(864)	1010 (467)
	3	B	41(1041)	95.5(2426)	34(864)	1036 (479)
1000 <sup>1</sup> , 1200 <sup>1</sup>	2	STD	41(1041)	95.5(2426)	62(1575)	1305 (604)
	2	B	41(1041)	95.5(2426)	62(1575)	1325 (613)
	3	STD	41(1041)	95.5(2426)	62(1575)	1325 (613)
	3	B	41(1041)	95.5(2426)	62(1575)	1354 (626)
1600 <sup>1</sup> , 2000 <sup>1</sup>	3	STD	41(1041)	95.5(2426)	62(1575)	2890 (1337)
	3	B	41(1041)	95.5(2426)	62(1575)	2940 (1360)
2500 <sup>1</sup> , 3000 <sup>1</sup>	3	STD	41(1041)	96(2438)	85(2159)	5350 (2474)
	3	B	41(1041)	96(2438)	85(2159)	5400 (2500)

- Notes:** 1. Unit is designed for top and bottom cable entry for all services and load.  
 2. Enclosures for 600 – 3000 amps are freestanding.  
 3. When temperatures below 32° F can be experienced, special precautions should be taken, such as the inclusion of strip heaters, to prevent condensation and freezing of this condensation. This is

- particularly important when environmental enclosures (Type 3R, 4 & 12) are ordered for installation outdoors. See Optional Accessories page for space heater options (acc. 44C).  
 4. Dimensional data is approximate and subject to change. Certified dimensions available upon request.

## Extended Warranties for SERIES 300SE Transfer Switches

Catalog No.	Description
2EAW300SE	Two-Year Extended Warranty (Parts & Labor)
3EXW300SE	Three-Year Extended Warranty (Parts & Labor)
4EXW300SE	Four-Year Extended Warranty (Parts & Labor)
5EXW300SE	Five-Year Extended Warranty (Parts & Labor)

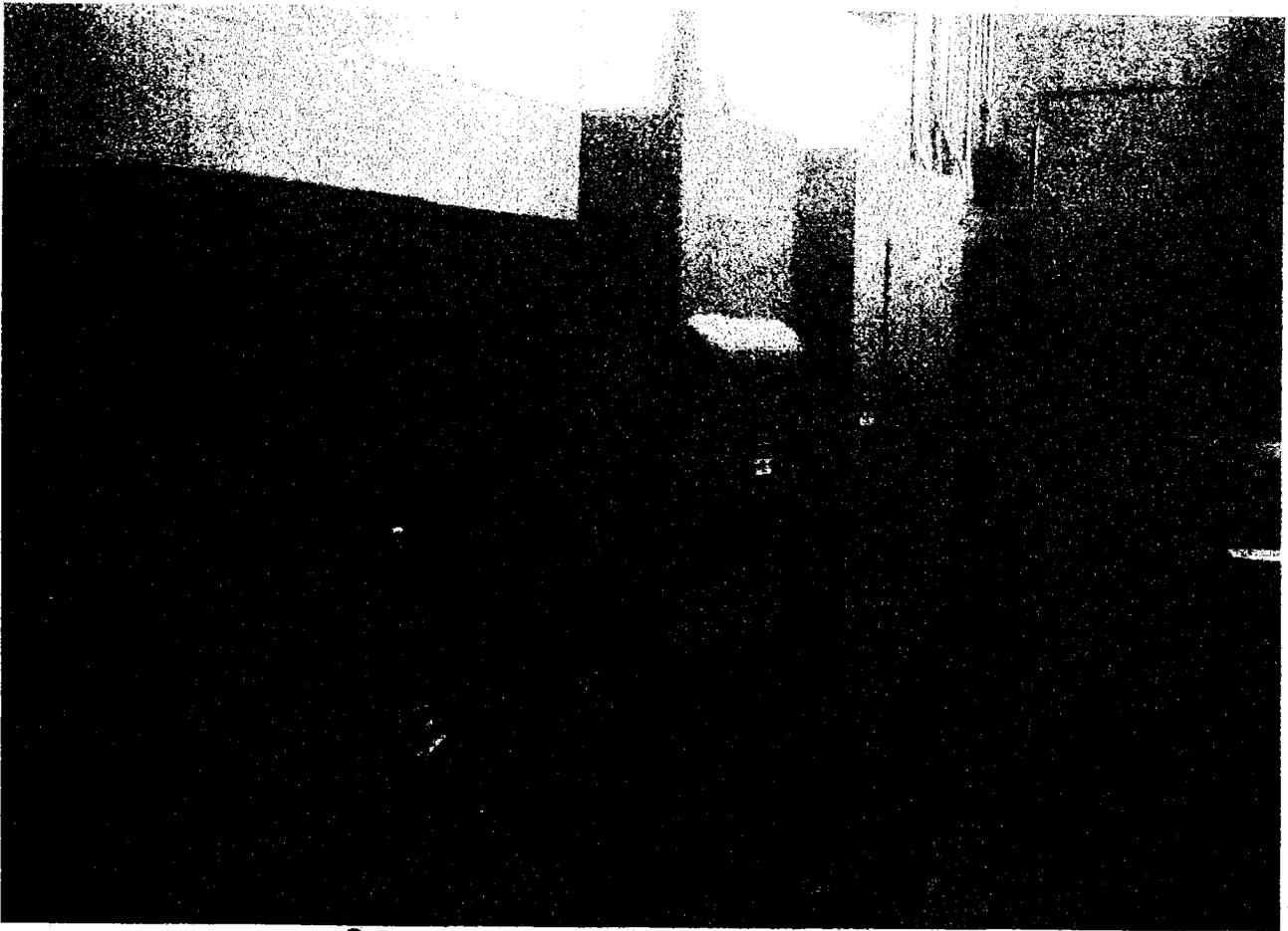
## SERIES 300SE AIC Rating

Switch Rating	AIC Rating	Voltage
70, 100, 150, 200, 225	25,000	480
250, 400	35,000	480
600	50,000	480
800, 1000, 1200, 1600, 2000	65,000	480
2500, 3000	100,000	480

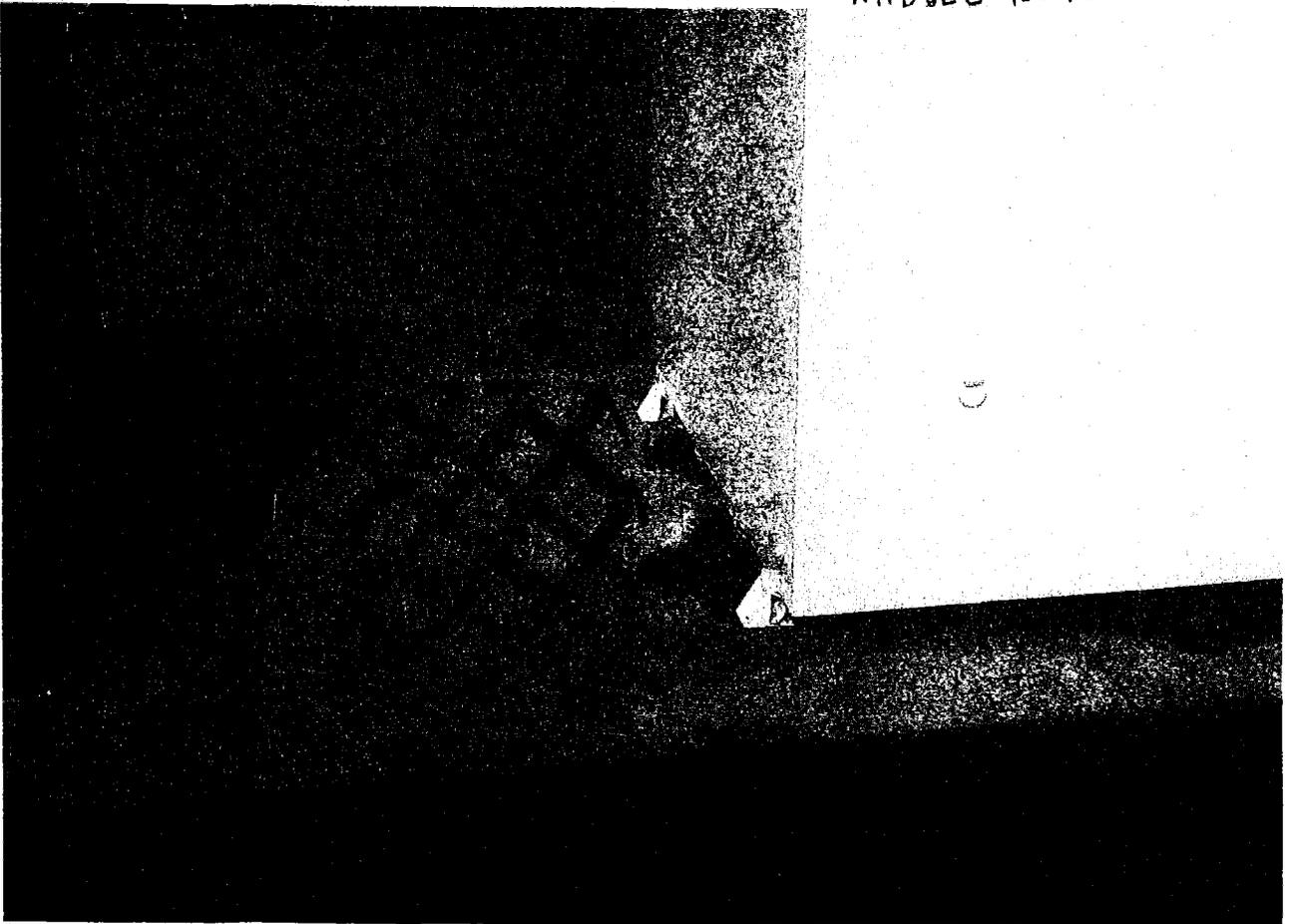
## SERIES 300SE External Power Connections Sizes UL-Listed Solderless Screw-Type Terminals

Switch Rating	Ranges of AL-CU Wire Size (Unless Specified Copper Only)
70, 100, 150, 200 <sup>1</sup> , 225 <sup>1</sup>	One #14 to 4/0 AWG
250, 400	Two 1/0 AWG to 250 MCM or One #4 AWG to 600 MCM
600	Two 1/0 AWG to 600 MCM
800, 1000, 1200	Four 1/0 to 600 MCM
1600, 2000	Six 1/0 to 600 MCM
2500	Twelve 3/0 to 600 MCM
3000	Twelve 3/0 to 600 MCM

**Note:** All Series 300SE switches are furnished with a solid neutral plate (unless customer had neutral configuration is specified) and terminal lug.  
<sup>1</sup> 200 and 225 amp rated switch for use with copper cable only.



PROPOSED LOCATION MIDDLETOWN



# BRISTOL LOCATION

**GENERAC**

**Quantity 1 - Generac industrial diesel engine driven generator, turbocharged, 4 cylinder 4.5L engine, consisting of the following features and accessories:**

- **SD0060AG174.5D18HBSY3**
- **60 kW Rating**, synchronous alternator, wired for **120/240 VAC 1 Phase, 60 HZ**
- Brushless excitation
- 0.25% voltage regulation
- **H-100 Control Panel**
  - Meets NFPA 99 and 110 requirements
  - Temp Range -40 to 70 degrees C
  - Digital microprocessor:
    - Two 4 line x 20 displays, full system status
    - 3 phase sensing, +/-0.25% digital voltage regulation
    - RS232, RS485 and Canbus remote ports
    - Waterproof connections
    - All engine sensors are 4-20 ma for minimal interference
    - Programmable I/O
    - Built-in PLC for special applications
  - Engine function monitoring and control:
    - Full range standby operation; Programmable auto crank, Emergency Stop, Auto-Off- Manual switch
    - Isochronous governor, +/-0.25% frequency regulation
    - Full system status on all AC output and engine function parameters
    - Service reminders, trending, fault history (alarm log)
    - I2T function for full generator protection
    - Selectable low-speed exercise
  - HTS transfer switch function monitoring and control
  - 2-wire start controls for any 2-wire transfer switch
- Electronic governor Frequency regulation, isochronous Steady state regulation +/-0.25%
- **225A UL CB, 80% Rated**
  - Thermal/Mag, LH
- **Sound attenuated, Level 1 Acoustic enclosure**
  - Industrial Grey Enclosure, powder paint finish
  - Integral critical grade muffler
- **110AH, GRP 31, 925 CCA battery**
  - w/rack installed
- 10A Battery charger-installed
- Battery charging alternator
- Battery cables

- Battery tray
- Fuel shut-off solenoid valve
- Solenoid activated starter motor
- Fuel filter
- Air cleaner and oil filter with internal bypass
- Oil and antifreeze
- Oil and radiator drain extensions
- Vibration isolators between engine/alternator and base frame
- Standard flex exhaust
- Block heater 1500W
- **24" 189 Gal DW Basetank**
  - STD Fuel Level Sender
  - w/fuel level indicating gauge
  - UL approved
- Emergency Vent
- Engine run relay
- 100dBA Alarm horn
- 120V GFCI & 240V Outlet
- Pad type vibration isolators
  - Ship Loose
- Standard set of 3 manuals
- CUL Listed
- STD 2-year limited warranty
- EPA/CARB Certified Engine
- SCAQMD Certified Engine
- Standard Electronic Governor
- Two (2) year standard warranty

Quantity 1 - Start-up

Quantity 1 - Freight

Quantity 1 - Service Entrance Rated ATS :

- ASCO 300 Series
- 120/240V
- 225A
- Single Phase
- NEMA 3R
- Programmable Exerciser

# SD060

**GENERAC®** | **INDUSTRIAL**  
PRIME POWER

## Industrial Diesel Generator Set

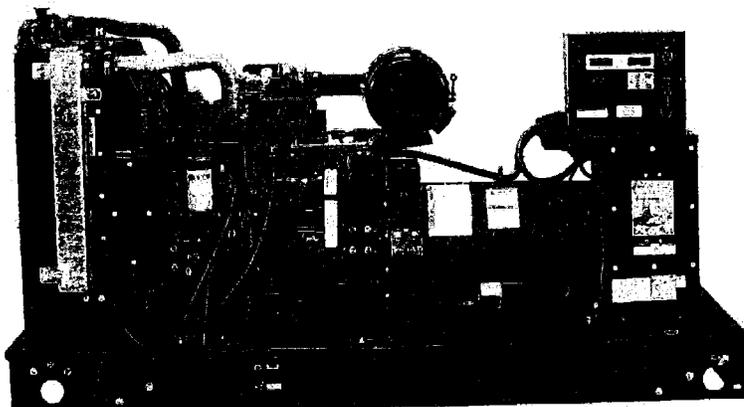
EPA Certified Stationary Emergency

60 kW Diesel

1 of 5

Standby Power Rating  
**75kVA 60kW 60Hz**

Prime Power Rating  
**68kVA 54KW 60Hz**

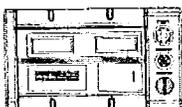
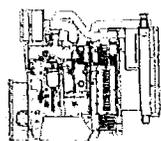
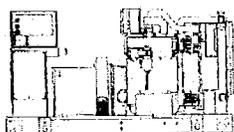


Generator Image used for illustration purposes only

\*EPA Certified Prime ratings are not available in the U.S. or its Territories for engine model year 2011 and beyond

### features

### benefits



#### Generator Set

- PROTOTYPE & TORSIONALLY TESTED
  - UL2200 TESTED
  - RHINOCOAT PAINT SYSTEM
  - WIDE RANGE OF ENCLOSURES AND TANKS
- ▶ PROVIDES A PROVEN UNIT
  - ▶ ENSURES A QUALITY PRODUCT
  - ▶ IMPROVES RESISTANCE TO ELEMENTS
  - ▶ PROVIDES A SINGLE SOURCE SOLUTION

#### Engine

- EPA COMPLIANT
  - INDUSTRIAL TESTED, GENERAC APPROVED
  - POWER-MATCHED OUTPUT
  - INDUSTRIAL GRADE
- ▶ ENVIRONMENTALLY FRIENDLY
  - ▶ ENSURES INDUSTRIAL STANDARDS
  - ▶ ENGINEERED FOR PERFORMANCE
  - ▶ IMPROVES LONGEVITY AND RELIABILITY

#### Alternator

- TWO-THIRDS PITCH
  - LAYER WOUND ROTOR & STATOR
  - CLASS H MATERIALS
  - DIGITAL 3-PHASE VOLTAGE CONTROL
- ▶ ELIMINATES HARMFUL 3RD HARMONIC
  - ▶ IMPROVES COOLING
  - ▶ HEAT TOLERANT DESIGN
  - ▶ FAST AND ACCURATE RESPONSE

#### Controls

- ENCAPSULATED BOARD W/ SEALED HARNESS
  - 4-20mA VOLTAGE-TO-CURRENT SENSORS
  - SURFACE-MOUNT TECHNOLOGY
  - ADVANCED DIAGNOSTICS & COMMUNICATIONS
- ▶ EASY, AFFORDABLE REPLACEMENT
  - ▶ NOISE RESISTANT 24/7 MONITORING
  - ▶ PROVIDES VIBRATION RESISTANCE
  - ▶ HARDENED RELIABILITY

primary codes and standards



## SD060

## application and engineering data

## ENGINE SPECIFICATIONS

**General**

Make	Iveco / FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	4
Type	Diesel
Displacement - L (cu. in.)	4.5 (274)
Bore - mm (In.)	105 (4.1)
Stroke - mm (in.)	132 (5.2)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged
Cylinder Head Type	2 Valve
Piston Type	Aluminum
Crankshaft Type	Forged Steel
Engine Block Type	Cast Iron / Wet Sleeve

**Engine Governing**

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	± 0.25%

**Lubrication System**

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	13.6 (14.4)

**Cooling System**

Cooling System Type	Closed
Water Pump Flow	Belt Driven Centrifugal
Fan Type	Pusher
Fan Blade Number	2538
Fan Diameter mm (in.)	26
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120

**Fuel System**

Fuel Type*	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	1/2" NPT
Fuel Return Line - mm (in.)	1/4" NPT

**Engine Electrical System**

System Voltage	12VDC
Battery Charging Alternator	Std
Battery Size (at 0°C)	995 CCA
Battery Group	31
Battery Voltage	12 Volt DC
Ground Polarity	Negative

## ALTERNATOR SPECIFICATIONS

Standard Model	390 mm Generac
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Synchronous Brushless
Bearings	One-Pre Lubed & Sealed
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes

Voltage Regulator Type	Digital
Number of Sensed Phases	3
Regulation Accuracy (Steady State)	± 0.25%

## CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99	BS5514
NFPA 110	SAE J1349
ISO 8528-5	DIN6271
ISO 1708A.5	IEEE C62.41 TESTING
ISO 3046	NEMA ICS 1

## Rating Definitions:

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%)

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of every 12 hours.

**SD060**

**operating data (60Hz)**

**POWER RATINGS (kW)**

Single-Phase 120/240VAC @1.0pf  
 Three-Phase 120/208VAC @0.8pf  
 Three-Phase 120/240VAC @0.8pf  
 Three-Phase 277/480VAC @0.8pf  
 Three-Phase 346/600VAC @0.8pf

STANDBY				PRIME			
60 kW	Amps:	250		44 kW	Amps:	225	
60 kW	Amps:	208		44 kW	Amps:	187	
60 kW	Amps:	180		44 kW	Amps:	162	
60 kW	Amps:	90		44 kW	Amps:	81	
60 kW	Amps:	72		44 kW	Amps:	65	

**STARTING CAPABILITIES (sKVA)**

**sKVA vs. Voltage Dip**

Alternator	kW	480VAC						208/240VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	60	42	63	83	104	125	146	32	47	62	78	94	110
Upsize 1	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 2	100	79	118	157	197	236	275	59	89	118	148	177	206

**FUEL**

**Fuel Consumption Rates\***

Fuel Pump Lift - in (mm)	
36 (900)	
Total Fuel Pump Flow (Combustion + Return)	
13.6 gph	

Percent Load	STANDBY		PRIME		
	gph	lph	Percent Load	gph	lph
25%	1.4	5.3	25%	1.3	4.9
50%	2.7	10.2	50%	2.4	9.1
75%	3.8	14.4	75%	3.4	12.9
100%	4.8	18.2	100%	4.4	16.7

\* Refer to "Emissions Data Sheet" for maximum fuel flow for EPA and SCAQMD permitting purposes.

**COOLING**

*NOTE: Approx 37 Hours w/ Full Tank*

		STANDBY	PRIME
Coolant Flow per Minute	gpm (lpm)	32.7 (123.8)	32.7 (123.8)
Heat Rejection to Coolant	BTU/hr	123,000	123,000
Inlet Air	cfm (m3/min)	6,360 (180)	6,360 (180)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)	122 (50)
Max. Operating Ambient Temperature	F° (C°)	104 (40)	104 (40)
Coolant System Capacity	gal (L)	(4.5) 17.44	(4.5) 17.44
Maximum Radiator Backpressure	in H <sub>2</sub> O	1.5	1.5

**COMBUSTION AIR REQUIREMENTS**

		STANDBY	PRIME
Flow at Rated Power	cfm (m3/min)	247 (7.00)	222 (6.30)

**ENGINE**

		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated KW**	hp	93	84
Piston Speed	ft/min	1559 (475)	1559 (475)
BMEP	psi	154	143

\*\* Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

**EXHAUST**

		STANDBY	PRIME
Exhaust Flow (Rated Output)	cfm (m3/min)	534 (15.1)	502 (14.2)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output)	F° (C°)	930 (498.8)	857 (459)
Exhaust Outlet Size (Open Set)	NPT (male)	3.0	3.0

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

**SD060**

**standard features and options**

**GENERATOR SET**



- Genset Vibration Isolation Std
- IBC Seismic Certified/Seismic Rated Vibration Isolators Opt
- Extended warranty Opt
- Gen-Link Communications Software Opt
- Steel Enclosure Opt
- Aluminum Enclosure Opt

**ENGINE SYSTEM**



General

- Oil Drain Extension Std
- Oil Make-Up System Opt
- Oil Heater Opt
- Air cleaner Std
- Fan guard Std
- Radiator duct adapter Std

Fuel System

- Fuel lockoff solenoid Std
- Secondary fuel filter Std
- Stainless steel flexible exhaust connection Std
- Industrial Exhaust Silencer Std
- Critical Exhaust Silencer Opt
- Flexible fuel lines Opt
- Primary fuel filter Opt
- Single Wall Tank (Export Only) -
- UL 142 Fuel Tank Opt

Cooling System

- 120VAC Coolant Heater Opt
- 208VAC Coolant Heater Opt
- 240VAC Coolant Heater Opt
- Other Coolant Heater -
- Closed Coolant Recovery System Std
- UV/Ozone resistant hoses Std
- Factory-Installed Radiator Std
- Radiator Drain Extension Std

Engine Electrical System

- Battery charging alternator Std
- Battery cables Std
- Battery tray Std
- Battery box Opt
- Battery heater Opt
- Solenoid activated starter motor Std
- 2.5A UL battery charger Opt
- 10A UL float/equalize battery charger Opt
- Rubber-booted engine electrical connections Std

**ALTERNATOR SYSTEM**



- UL2200 GENprotectTM
- Main Line Circuit Breaker Opt
- 2nd Circuit Breaker -
- 3rd Circuit Breaker -
- Alternator Upsizing Opt
- Anti-Condensation Heater Opt
- Tropical coating Opt
- Permanent Magnet Generator Opt

**CONTROL SYSTEM**



Control Panel

- Digital H Control Panel - Dual 4x20 Display Std
- Digital G-100 Control Panel - Touchscreen na
- Digital G-200 Paralleling Control Panel - Touchscreen na
- Programmable Crank Limiter Std
- 21-Light Remote Annunciator Opt
- Remote Relay Panel (8 or 16) Opt
- 7-Day Programmable Exerciser Std
- Special Applications Programmable PLC Std
- RS-232 Std
- RS-485 Std
- All-Phase Sensing DVR Std
- Full System Status Std
- Utility Monitoring (Req. H-Transfer Switch) Std
- 2-Wire Start Compatible Std
- Power Output (kW) Std
- Power Factor Std
- Reactive Power Std
- All phase AC Voltage Std
- All phase Currents Std
- Oil Pressure Std
- Coolant Temperature Std
- Coolant Level Std
- Oil Temperature Opt
- Fuel Pressure Std
- Engine Speed Std
- Battery Voltage Std
- Frequency Std
- Date/Time Fault History (Event Log) Std
- Low-Speed Exercise -
- Isochronous Governor Control Std
- -40deg C - 70deg C Operation Std
- Waterproof Plug-in Connectors Std
- Audible Alarms and Shutdowns Std
- Not in Auto (Flashing Light) Std
- Auto/Off/Manual Switch Std
- E-Stop (Red Mushroom-Type) Std
- Remote E-Stop (Break Glass-Type, Surface Mount) Opt
- Remote E-Stop (Red Mushroom-Type, Surface Mount) Opt
- Remote E-Stop (Red Mushroom-Type, Flush Mount) Opt
- NFPA 110 Level I and II (Programmable) Std
- Remote Communication - RS232 Std
- Remote Communication - Modem Opt
- Remote Communication - Ethernet Opt
- 10A Run Relay Opt

Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)

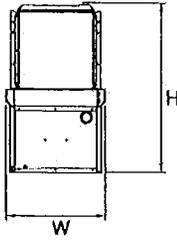
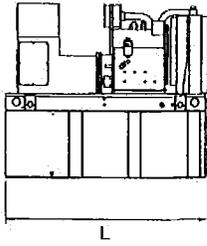
- Low Fuel Opt
- Oil Pressure (Pre-programmed Low Pressure Shutdown) Std
- Coolant Temperature (Pre-programmed High Temp Shutdown) Std
- Coolant Level (Pre-programmed Low Level Shutdown) Std
- Oil Temperature Opt
- Engine Speed (Pre-programmed Overspeed Shutdown) Std
- Voltage (Pre-programmed Overvoltage Shutdown) Std
- Battery Voltage Std

Other Options

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

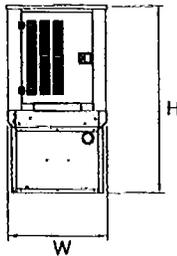
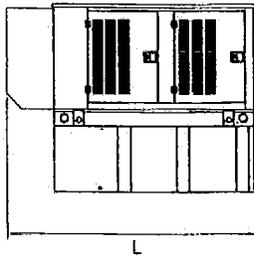
**SD060**

**dimensions, weights and sound levels**



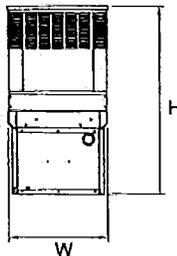
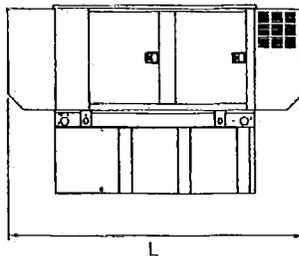
**OPEN SET**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	93	40	49	2425	86.3
16	79	93	40	62	2947	
39	189	93	40	74	3183	
63	300	93	40	86	3407	
73	350	110	40	86	3809	
106	510	117	47	86	3790	
123	589	128	49	86	4269	



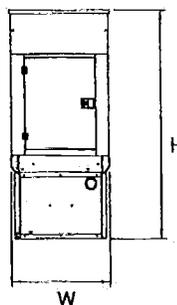
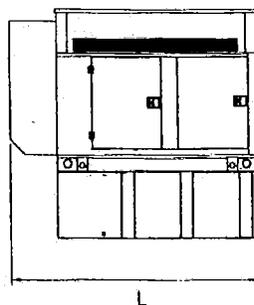
**WEATHERPROOF ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	112	41	56	2850	80.5
16	79	112	41	69	3372	
39	189	112	41	81	3608	
63	300	112	41	93	3832	
73	350	112	41	93	4234	
106	510	117	47	93	4215	
123	589	128	49	93	4694	



**LEVEL 1 SOUND ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	130	41	56	2875	74.7
16	79	130	41	69	3397	
39	189	130	41	81	3633	
63	300	130	41	93	3857	
73	350	130	41	93	4259	
106	510	130	47	93	4240	
123	589	130	49	93	4719	



**LEVEL 2 SOUND ENCLOSURE**

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBa*
NO TANK	-	112	41	69	3050	71.6
16	79	112	41	82	3572	
39	189	112	41	94	3808	
63	300	112	41	106	4032	
73	350	112	41	106	4434	
106	510	117	47	106	4415	
123	589	128	49	106	4894	

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

**Tank Options**

- |   |      |
|---|------|
| <input type="radio"/> MDEQ              | OPT  |
| <input type="radio"/> Florida DERM/DEP  | OPT  |
| <input type="radio"/> Chicago Fire Code | OPT  |
| <input type="radio"/> IFC Certification | CALL |
| <input type="radio"/> ULC               | CALL |

Other Custom Options Available from your Generac Industrial Power Dealer

**YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER**

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

# ASCO SERIES 300SE Power Transfer Switch

The ASCO Service Entrance Power Transfer Switch combines automatic power switching with the necessary disconnecting, grounding, and bonding required for use as service entrance equipment. The power transfer switch meets all National Electrical Code requirements for service entrance use. Transfer switches generally are installed at facilities that have a single utility feed and a single emergency power source.

ASCO SERIES 300SE products use two types of construction.

Products 400 amperes or less, utilize a single enclosure including a service (utility source) disconnect circuit breaker, as well as the power transfer switch, grounding and bonding provisions.

Products 600 amperes and above, utilize a multi-section switchboard construction including a service equipment section containing the service (utility source) disconnect circuit breaker, grounding, and bonding provisions. A second section contains the power transfer switch.

## Product Features:

- Suitable for use as service entrance equipment. Listed to UL 891 (standard for switchboards) for 600 - 3000 amps, sizes and UL 1008 (standard for panel-boards) for 70 - 400 amps.
- Automatic Transfer Switch is listed to UL 1008 for total system loads
- Sizes available from 70 - 3000 amps, 600 VAC, 50 or 60 Hz, single or three phase
- Silver plated copper ground and neutral bus solderless screw type terminals
- Ground fault trip protection provided on sizes 1000 amps and above
- Available with solid or switched neutral

## 600 - 3000 Amp Construction

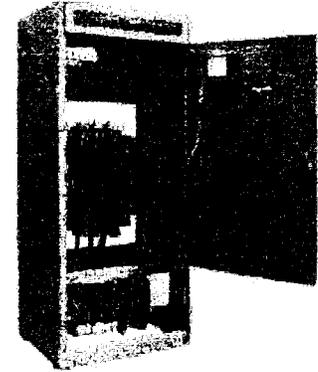
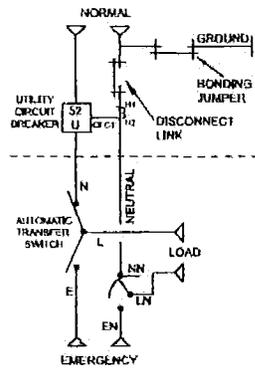


Fig. 16: ASCO SERIES 300 SE Rated 800 amperes Type 1 enclosure with Service Entrance Equipment

## 70 - 400 Amp Construction

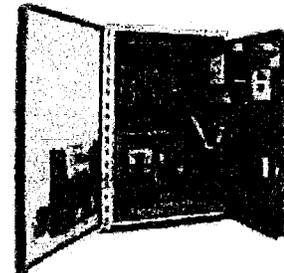
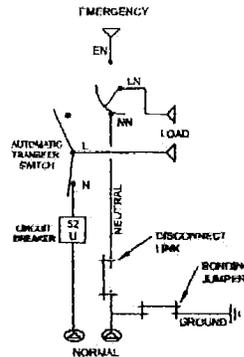


Fig. 17: ASCO SERIES 300 SE rated 200 amperes in Type 1 enclosure with single source breakers

# ASCO SERIES 300SE Transfer Switch Ordering Information

To order an ASCO SERIES 300SE Power Transfer Switch, complete the following catalog number:

3AUS + B + E + 400 + N + T + X + C + LCD + 240V/60															
Product	Neutral Code	Phase Poles	Amperes Continuous Rating	Voltage Code		Controller	Options	Enclosure		Optional Accessories	Specific Volt & Freq				
				A <sup>3</sup>	B <sup>3</sup>			Blank	Open Type						
3AUS	B <sup>1</sup> Switched Neutral	2 poles, 1Ø	70, 100,	A <sup>3</sup>	115	1	Insert "X" If optional accessories are required	C	Type 1 (Standard)	118G Programmable Engine Exerciser 14AA/14BA Auxiliary Contacts (2 sets) 44G Strip Heater w/Thermostat 72A Serial Module 72E Connectivity Module 73A Surge Suppressor	This information is necessary to allow correct control settings prior to shipment				
			150, 200 <sup>6</sup> ,	B <sup>3</sup>	120				Type 3R						
			225 <sup>6</sup> , 250,	C	208				Type 4 <sup>2</sup>						
		3 poles, 3Ø	400, 600,	D	220				Type 4X						
			800, 1000,	E	230				Type 12 <sup>2</sup>						
			1200, 1600, 2000, 2500, 3000	F	240				Type 3R Secure						
	N	N	N	400	H				380			N	N	Type 4	73A Surge Suppressor
				415	J				415					Type 4X <sup>6</sup>	
				440	K				415					Secure Double Door SS	
				460	L				440					Type 3RX <sup>7,8</sup>	
				480	M				460					Secure Double Door SS	
				480	N				480						
				575	Q				575						
600	R	600													

- Notes:**
1. Specify neutral code "C" for 250 and 400 amperes only.
  2. Available 70-1000 ampacity. Use Type 3R for 1200-3000 amp applications.
  3. 115-120 volt available 150-400 amps only.
  4. A solid neutral is standard on 3AUS.
  5. For switch sizes 70 - 225 amperes only.

6. 200, 225 amp rated switch suitable for use with copper cable only.
7. Type 316 Stainless Steel is standard. It provides an improved reduction in corrosion of salt and some chemicals. It is the preferred choice for marine environments.
8. Available only on switches rated 1200, 2000, 2600, and 3000 Amps.



# SERIES 300SE Transfer Switch Dimensions and Shipping Weights

## UL Type 1 Enclosure<sup>4</sup>

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, In. (mm)			Approx. Shipping Weight lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225	2	STD	36.5 (927)	48.5 (1232)	13.25 (337)	400 (185)
	2	B	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	STD	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	B	36.5 (927)	48.5 (1232)	13.25 (337)	416 (192)
250, 400	2	STD	36.5 (927)	48.5 (1232)	13.25 (337)	400 (185)
	2	C	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	STD	36.5 (927)	48.5 (1232)	13.25 (337)	408 (188)
	3	C	36.5 (927)	48.5 (1232)	13.25 (337)	416 (192)
600 <sup>1</sup> , 800 <sup>1</sup>	2	STD	38 (965)	91 (2311)	28 (711)	800 (370)
	2	B	38 (965)	91 (2311)	28 (711)	820 (378)
	3	STD	38 (965)	91 (2311)	28 (711)	820 (378)
	3	B	38 (965)	91 (2311)	28 (711)	846 (390)
1000 <sup>1</sup> , 1200 <sup>1</sup>	2	STD	38 (965)	91 (2311)	48 (1218)	1085 (501)
	2	B	38 (965)	91 (2311)	48 (1218)	1105 (510)
	3	STD	38 (965)	91 (2311)	48 (1218)	1105 (510)
	3	B	38 (965)	91 (2311)	48 (1218)	1134 (523)
1600 <sup>1</sup> , 2000 <sup>1</sup>	3	STD	38 (965)	91 (2311)	48 (1218)	2590 (1198)
	3	B	38 (965)	91 (2311)	48 (1218)	2640 (1218)
2500 <sup>1</sup> , 3000 <sup>1</sup>	3	STD	38 (965)	91 (2311)	72 (1829)	4590 (2118)
	3	B	38 (965)	91 (2311)	72 (1829)	4655 (2148)

## UL Type 3R Enclosure<sup>4</sup>

Switch Rating Amps	Phase Poles	Neutral Code	Dimensions, In. (mm)			Approx. Shipping Weight lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225 must specify	2	STD	36(914)	48(1219)	16(406)	180(83)
	2	B	36(914)	48(1219)	16(406)	188(87)
	3	STD	36(914)	48(1219)	16(406)	188(87)
	3	B	36(914)	48(1219)	16(406)	196(90)
250, 400	2	STD	36(914)	48(1219)	16(406)	440(203)
	2	C	36(914)	48(1219)	16(406)	448(207)
	3	STD	36(914)	48(1219)	16(406)	448(207)
	3	C	36(914)	48(1219)	16(406)	485(225)
600 <sup>1</sup> , 800 <sup>1</sup>	2	STD	41(1041)	95.5(2426)	34(864)	990(458)
	2	B	41(1041)	95.5(2426)	34(864)	1010(467)
	3	STD	41(1041)	95.5(2426)	34(864)	1010(467)
	3	B	41(1041)	95.5(2426)	34(864)	1036(479)
1000 <sup>1</sup> , 1200 <sup>1</sup>	2	STD	41(1041)	95.5(2426)	62(1575)	1305(604)
	2	B	41(1041)	95.5(2426)	62(1575)	1325(613)
	3	STD	41(1041)	95.5(2426)	62(1575)	1325(613)
	3	B	41(1041)	95.5(2426)	62(1575)	1354(626)
1600 <sup>1</sup> , 2000 <sup>1</sup>	3	STD	41(1041)	95.5(2426)	62(1575)	2890(1337)
	3	B	41(1041)	95.5(2426)	62(1575)	2940(1360)
2500 <sup>1</sup> , 3000 <sup>1</sup>	3	STD	41(1041)	96(2438)	85(2159)	5350(2474)
	3	B	41(1041)	96(2438)	85(2159)	5415(2504)

- Notes:**
- Unit is designed for top and bottom cable entry for all services and load.
  - Enclosures for 600 – 3000 amps are freestanding.
  - When temperatures below 32° F can be experienced, special precautions should be taken, such as the inclusion of strip heaters, to prevent condensation and freezing of this condensation. This is

- particularly important when environmental enclosures (Type 3R, 4 & 12) are ordered for installation outdoors. See Optional Accessories page for space heater options (acc. 44G).
- Dimensional data is approximate and subject to change. Certified dimensions available upon request.

## Extended Warranties for SERIES 300SE Transfer Switches

Catalog No.	Description
2EXW300SE	Two-Year Extended Warranty (Parts & Labor)
3EXW300SE	Three-Year Extended Warranty (Parts & Labor)
4EXW300SE	Four-Year Extended Warranty (Parts & Labor)
5EXW300SE	Five-Year Extended Warranty (Parts & Labor)

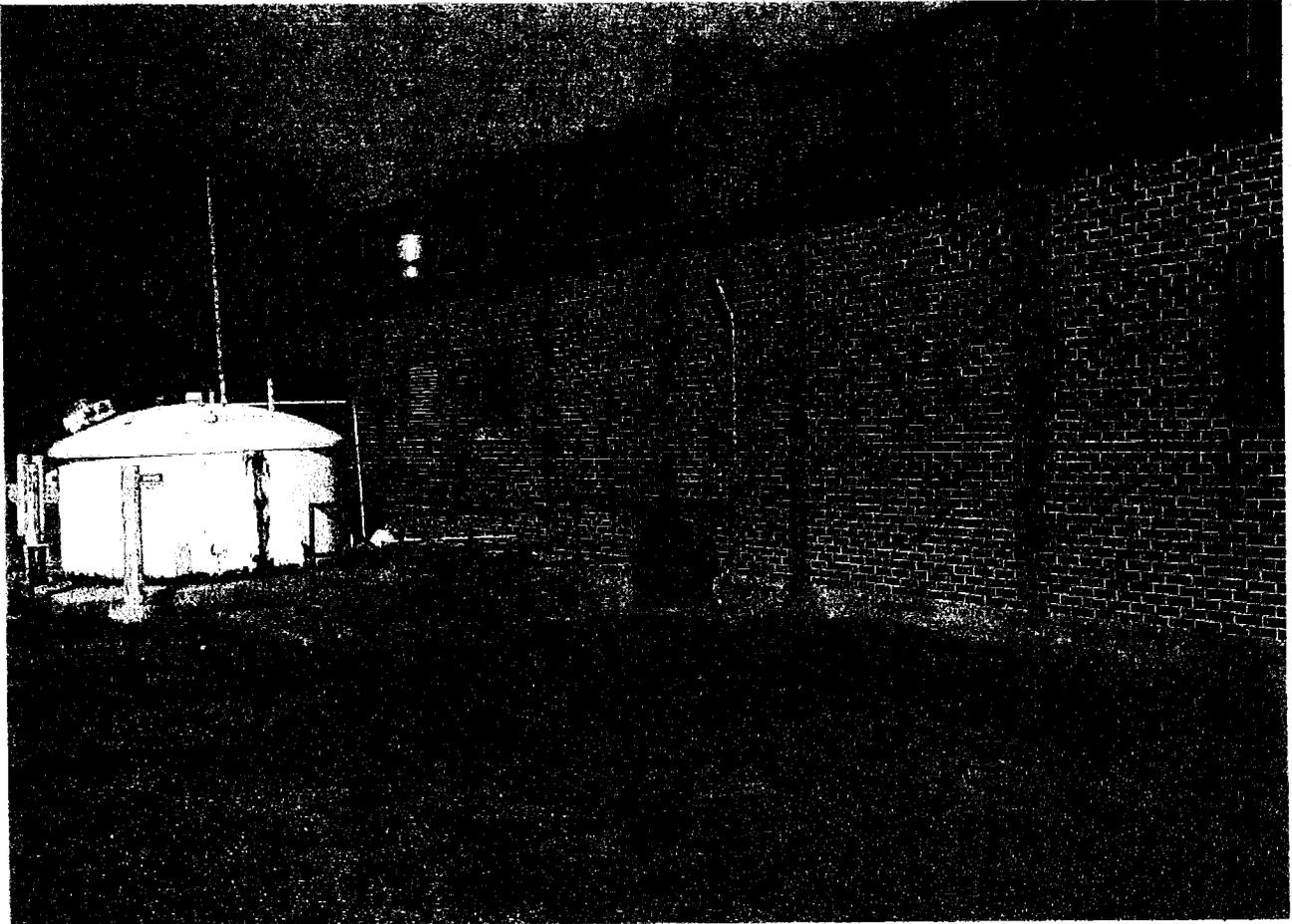
## SERIES 300SE AIC Rating

Switch Rating	AIC Rating	Voltage
70, 100, 150, 200, 225	25,000	480
250, 400	35,000	480
600	50,000	480
800, 1000, 1200, 1600, 2000	65,000	480
2500, 3000	100,000	480

## SERIES 300SE External Power Connections Sizes UL-Listed Solderless Screw-Type Terminals

Switch Rating	Range of AL-CU Wire Sizes (Unless Specified Copper Only)
70, 100, 150, 200 <sup>*</sup> , 225 <sup>*</sup>	One #14 to 4/0 AWG
250, 400	Two 1/0 AWG to 250 MCM or One #4 AWG to 600 MCM
600	Two 1/0 AWG to 600 MCM
800, 1000, 1200	Four 1/0 to 600 MCM
1600, 2000	Six 1/0 to 600 MCM
2500	Twelve 3/0 to 600 MCM
3000	Twelve 3/0 to 600 MCM

- Note:** All Series 300SE switches are furnished with a solid neutral plate (unless switched neutral configuration is specified) and terminal lugs.  
\* 200 and 225 amp rated switch for use with copper cable only.



PROPOSED LOCATION BRISTOL



REQUEST FOR QUOTE #7461317

**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.

**BIDDING** (a) A single price shall be quoted for each item against which a proposal is submitted. This price will be the maximum in effect during the agreement period. Any price decline at the manufacturer's level shall be reflected in a reduction of the agreement price to the State. (b) Quantities, if any, are estimated only. The agreement shall cover the actual quantities ordering during the period. Deliveries will be billed at the single, firm, awarded unit price quoted regardless of the quantities ordered. (c) Bid price is net F.O.B. destination and shall include inside delivery at no extra cost. (d) Bids for single items and/or a small percentage of total items listed, may, at the State's sole option, be rejected as being non-responsive to the intent of this request. **ORDERING** (a) The User Agency(s) will submit individual orders for the various items and various quantities as may be required during the agreement period. (b) Exception - Regardless of any agreement resulting from this bid, the State reserves the right to solicit prices separately for any extra large requirements for delivery to specific destinations.

**DELIVERY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

**LICENSE**

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.

## **INSPECTION**

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

## **INSURANCE**

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.

## **SURETY**

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.

**RIVIP**

IT IS THE VENDOR'S RESPONSIBILITY TO CHECK AND DOWNLOAD ANY AND ALL ADDENDA FROM RIVIP. THIS OFFER MAY NOT BE CONSIDERED UNLESS A SIGNED RIVIP GENERATED BIDDER CERTIFICATION COVER FORM IS ATTACHED AND THE UNIT PRICE COLUMN IS COMPLETE. THE SIGNED CERTIFICATION COVER FORM MUST BE ATTACHED TO THE FRONT OF THE OFFER. WHEN DELIVERING OFFERS IN PERSON TO ONE CAPITOL HILL, VENDORS ARE ADVISED TO ALLOW AT LEAST ONE HOUR ADDITIONAL TIME FOR CLEARANCE THROUGH SECURITY CHECKPOINTS.

THIS OFFER MAY NOT BE CONSIDERED UNLESS 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. WHEN DELIVERED OFFERS ON PERSON TO ONE CAPITOL HILL, VENDORS ARE ADVISED TO ALLOW AT LEAST ONE HOUR ADDITIONAL TIME FOR CLEARANCE THROUGH SECURITY CHECKPOINTS.

NOTE: IF THIS 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 & OMISSION) - \$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 OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. \*VESSEL OPERATION – (MARINE OR AIRCRAFT) – PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

**WAGE**

VENDOR IS 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.

**FISCAL**

AWARDS EXTENDING BEYOND JUNE 30TH ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.