

ORIGINAL

January 9, 2014

BY HAND

Hon. Robert Stein, Chairman and
Members of the Connecticut Siting Council
Ten Franklin Square
New Britain, Connecticut 06051
Email: Siting.council@ct.gov

RECEIVED
JAN - 9 2014

CONNECTICUT
SITING COUNCIL

Re: New Cingular Wireless PCS, LLC
Docket 429
Willington, Connecticut
Certificate Transfer & Construction Update

Dear Chairman Stein and Members of the Connecticut Siting Council:

We are writing on behalf of our client New Cingular Wireless PCS, LLC ("AT&T") to notify the Council of its intent to transfer the Certificate, dated February 7, 2013, as approved and issued in the Docket 429 ("Willington Facility"). Additionally, we are writing to provide an update regarding the site construction for this Facility and seek a staff approved amendment to the D&M Plan for the Facility.

Intent to Transfer of Certificate

Subsequent to approval of the tower and issuance of the Certificate in Docket 429, AT&T and American Tower Corporation, one of the largest owner/operators of wireless and broadcast communications sites in North America, entered into an agreement to assign the ground lease and have ATC construct the facility site and own the tower upon completion. As such, ATC will be filing paper work to formally request a transfer of the Certificate issued in Docket 429 pursuant to General Statutes Section 16-50k(b) shortly and with AT&T's consent. Upon transfer of the Certificate, ATC will be responsible for compliance with the Certificate's conditions.

Construction Update & Shared Generator Modification

Please note that construction of the facility has commenced since approval of the Development and Management Plan. Of note for the Council, we are pleased to advise that AT&T has worked with ATC to have a shared generator deployed at the tower site in lieu of the single carrier generator AT&T proposed and the Council approved in Docket 429. Enclosed are specifications for the location of ATC's shared generator which is an exempt modification of the D&M Plan approval, for which we seek the staff's acknowledgment by way of this letter.

January 9, 2013

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ATC Contact Information

For purposes of the certificate transfer filing, we have copied this correspondence to ATC's representative, Mr. Blake Paynter who may also be reached at (781) 926-4560. Thank you for your consideration of the foregoing.

Very truly yours,



Christopher B. Fisher

cc: Michelle G. Briggs, AT&T
Blake E. Paynter, American Tower Corporation
Daniel M. Laub, Esq.



AMERICAN TOWER
 SITE DESIGN
 3500 RED BANK PARKWAY,
 SUITE 100
 CARY, NORTH CAROLINA 27518
 PHONE: (919) 450-0112

THESE DRAWINGS AND ALL INSTRUMENTS OF SERVICE ARE THE EXCLUSIVE PROPERTY OF LESSOR OR SITE OWNER. NO PART OF THESE DRAWINGS OR INSTRUMENTS OF SERVICE SHALL BE REPRODUCED, COPIED, REPRODUCED, TRANSMITTED, OR IN ANY MANNER, WITHOUT THE WRITTEN PERMISSION FROM AMERICAN TOWER. ANY REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS OR INSTRUMENTS OF SERVICE WITHOUT PERMISSION SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO AMERICAN TOWER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES.

PROPOSAL

DESCRIPTION

SITE NUMBER
 281416

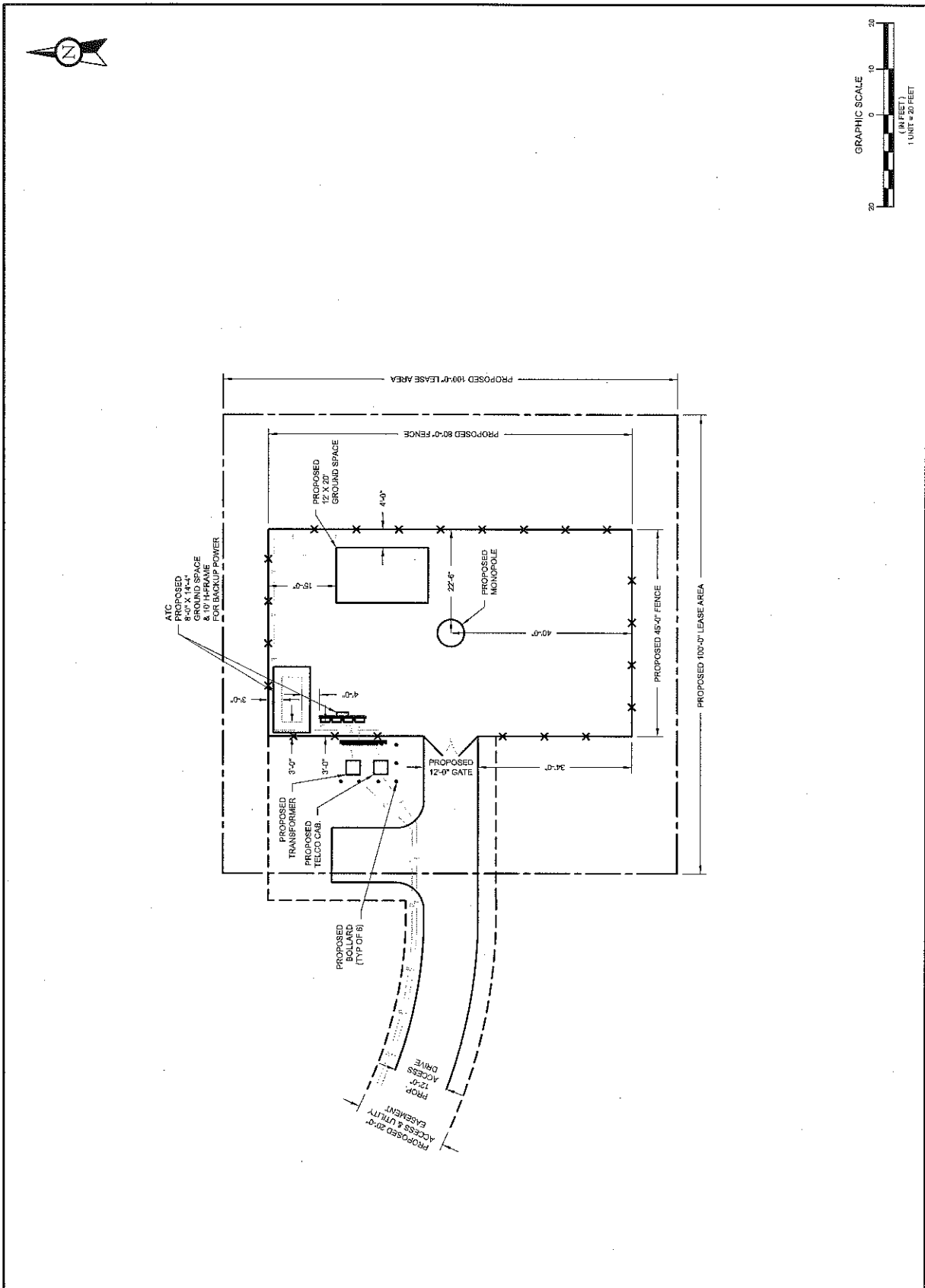
SITE NAME
 WILLINGTON CT
 CONNECTICUT

DRAWN BY: E. L. SCHROEDER
 DATE DRAWN: 11/11/2013

CUSTOMER:
 COLLOCATION NO.:

- LEGEND**
- ⊗ GROUNDING TEST WELL
 - AC AIR CONDITIONING UNIT
 - AV AIR VENT
 - ATS AUTOMATIC TRANSFER SWITCH
 - B BOLLARD
 - C CABINET
 - CS COAX SHROUD
 - CFC FIBER OPTIC CABINET
 - D DISTRIBUTION POINT
 - E ELECTRICAL
 - F FIBER
 - GEN GENERATOR
 - G GENERATOR RECEPTACLE
 - H HOLE
 - IB ICE BRIDGE
 - K KENTROX BOX
 - LC LIGHTING CONTROL
 - LPG LIQUID PROPANE GAS
 - M METER
 - N NUT
 - OHV OVERHEAD WIRE
 - P POWER
 - PB PULL BOX
 - PP PULL POINT
 - T TELEPHONE
 - TRN TRANSFORMER
 - W WATER VALVE
 - BUFFER SPACE (LEASE AREA)
 - - - - - EASEMENT

SHEET TITLE: SITE PLAN LAYOUT
 SHEET NUMBER: SP-1
 SITS ADDED BY: ON



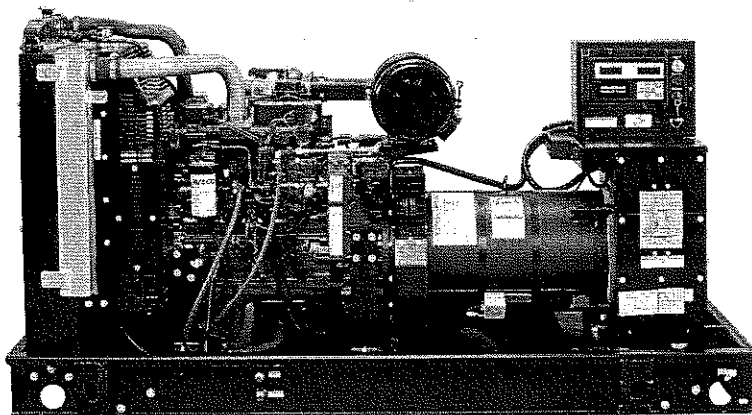
SD080

Industrial Diesel Generator Set

EPA Certified Stationary Emergency

Standby Power Rating
100kVA 80kW 60Hz

Prime Power Rating
90kVA 72kW 60Hz

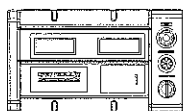
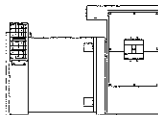
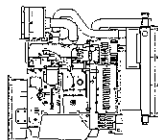
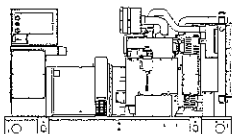


Generator image used for illustration purposes only

*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



SD080

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.)	1/4" 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	BS3514
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.

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operating data (60Hz)

POWER RATINGS (kW)

	STANDBY		PRIME	
Single-Phase 120/240VAC @1.0pf	80 kW	Amps: 333	72 kW	Amps: 300
Three-Phase 120/208VAC @0.8pf	80 kW	Amps: 278	72 kW	Amps: 250
Three-Phase 120/240VAC @0.8pf	80 kW	Amps: 241	72 kW	Amps: 217
Three-Phase 277/480VAC @0.8pf	80 kW	Amps: 120	72 kW	Amps: 108
Three-Phase 346/600VAC @0.8pf	80 kW	Amps: 96	72 kW	Amps: 87

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	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 1	100	79	118	157	197	236	275	59	89	118	148	177	206
Upsize 2	125	116	174	232	290	348	406	87	131	174	218	261	305

FUEL

Fuel Consumption Rates*

	STANDBY			PRIME		
	Percent Load	gph	lph	Percent Load	gph	lph
Fuel Pump Lift - in (mm)						
36 (900)						
Total Fuel Pump Flow (Combustion + Return)						
13.6 gph						
25%	2.1	7.9		25%	1.9	7.2
50%	3.7	14.0		50%	3.4	12.9
75%	5.2	19.7		75%	4.7	17.8
100%	6.3	23.8		100%	5.8	22.0

* 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	232,270	213,830
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 ₂ O	1.5	1.5

COMBUSTION AIR REQUIREMENTS

	STANDBY	PRIME
Flow at Rated Power cfm (m3/min)	306 (8.67)	275 (7.80)

ENGINE

		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW**	hp	131	127
Piston Speed	ft/min	1559 (475)	1559 (475)
BMEP	psi	210	194

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

EXHAUST

		STANDBY	PRIME
Exhaust Flow (Rated Output)	cfm (m ³ /min)	790 (22.4)	743 (21.0)
Max. Backpressure (Post-Silencer)	inHg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output)	F° (C°)	887 (475)	887 (475)
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.

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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 GENprotect™ Opt
- 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)

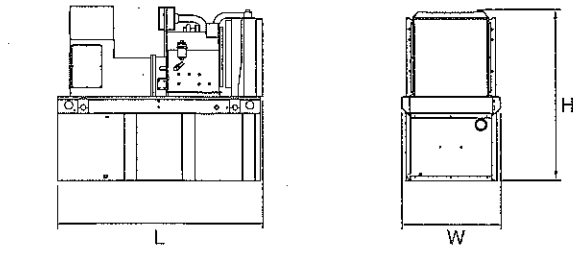
- Low Fuel Opt
- Oil Pressure (Pre-programmed Low Pressure Shutdown) Std
- Coolant Temperature (Pre-programmed High Temp Shutdown) Std
- Coolant Level (Pre-programmed Low Level Shutdown) Std
- Oil Temperature Opt
- Engine Speed (Pre-programmed Overspeed Shutdown) Std
- Voltage (Pre-programmed Overvoltage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

Other Options

-
-
-

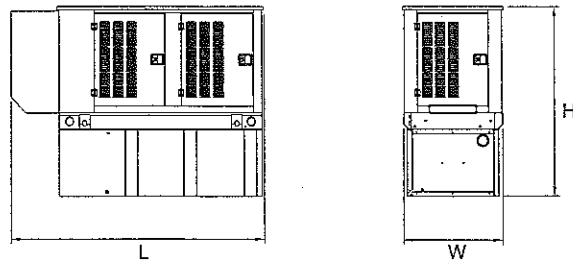
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dimensions, weights and sound levels



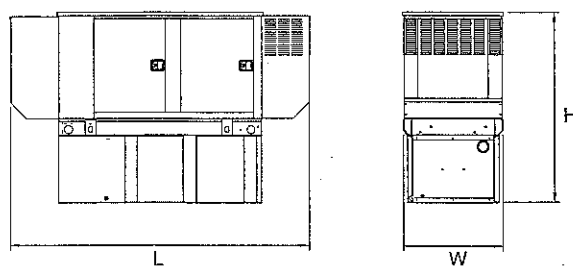
OPEN SET

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	93	40	49	2425	87
13	79	93	40	62	2947	
30	189	93	40	74	3183	
48	300	93	40	86	3407	
56	350	110	40	86	3809	
81	510	117	47	86	3790	
93	589	128	49	86	4289	



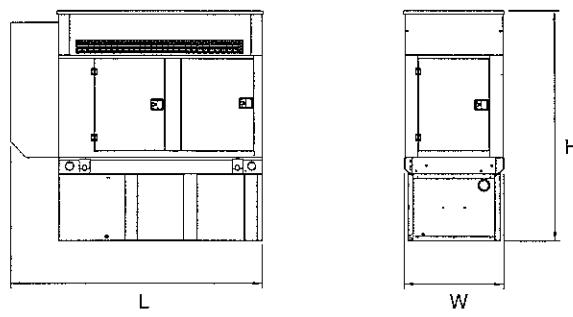
WEATHERPROOF ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	112	41	56	2850	81.4
13	79	112	41	69	3372	
30	189	112	41	81	3608	
48	300	112	41	93	3832	
56	350	112	41	93	4234	
81	510	117	47	93	4215	
93	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	74.8
13	79	130	41	69	3397	
30	189	130	41	81	3633	
48	300	130	41	93	3857	
56	350	130	41	93	4259	
81	510	130	47	93	4240	
93	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	71.7
13	79	112	41	82	3572	
30	189	112	41	94	3808	
48	300	112	41	106	4032	
56	350	112	41	106	4434	
81	510	117	47	106	4415	
93	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="checkbox"/> MDEQ	OPT
<input type="checkbox"/> Florida DERM/DEP	OPT
<input type="checkbox"/> Chicago Fire Code	OPT
<input type="checkbox"/> IFC Certification	CALL
<input type="checkbox"/> 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.