THE TOWN OF Highland Park TEXAS
4700 DREXEL DRIVE, HIGHLAND PARK, TEXAS 75205
Telephone 214-521-4161

July 5, 2024

BOARD OF ADJUSTMENT MEMBERS

Stacey Furst, Chair
Joan Clark
Alison Hunsicker
Robert McCulloch
Jim Yoder
Louis Morrison, Alternate Member
Nancy Rogers, Alternate Member

Dear Board Members,

The Board of Adjustment will conduct a public hearing at 8:30 a.m. on Wednesday, July 10, 2024, and consider a variance from Section 8-501 to construct a generator at 3608 Lindenwood Avenue in the required side yard. Section 8-501 of the Zoning Ordinance shows that the required side yard setback for properties located in zoning district "D" is 10% of lot width but not less than 5-feet or more than 10-feet. The subject property on Lindenwood is 75 feet in width, therefore resulting in a 7.5 feet side yard setback. The property owners request to construct the generator approximately 2.5 feet from the side property line.

The agenda, application, and meeting details are available on the Town's website www.hptx.org by clicking on the "Board of Adjustment" webpage.

Enclosed is a copy of: (i.) the application to the Board, (ii.) property survey, (iii.) the plans, (iv.) the public hearing notice map, (v.) a map of the block indicating the location of the property.

Feel free to contact me at your convenience if you have any questions.

Sincerely,
Chelsey Gordon
Assistant Director of Development Services
cgordon@hptx.org

cc: Will Beecherl, Mayor, via e-mail
Tobin Maples, Town Administrator, via e-mail
Steve Alexander, Assistant Town Administrator, via e-mail
Susan Thomas, Town Attorney, via e-mail
Joanna Mekeal, Town Secretary, via e-mail

APPEAL TO THE BOARD OF ADJUSTMENT
TOWN OF HIGHLAND PARK

(Please Type or Print)

ADDRESS 3608 Lindenwood Ave Owner's Name Jason & Berkeley Downie

LEGAL DESCRIPTION: Lot(s) 14 & 25 FT, 13 Block 84 Addition _____

Mailing Address 3608 Lindenwood Ave.

City Highland Park State TX Zip Code 75205

1. Request:

A variance to place a gas generator in an unapproved location on my property.

2. Jurisdiction: [Applicant has reviewed Section 17-200 a,b, and c of the Highland Park Zoning Ordinance (copy attached) and is of the opinion that the Board of Adjustment has jurisdiction for the following reason(s)]

The location is not permitable by the current zoning ordinance, but the Board of Adjustment has the discretion to approve by variance request.

Additional information submitted by applicant consent letters from neighbors, survey, design schematic, load calculation, initial application.

Fee Paid $200.00 Date 6/7/2024 Phone 214-435-7235

3. Signature of Owner _____

(To be completed by Building Inspection Department)

Reason for denial: Section 8-501

Explanation:

Section 8-501 of the Zoning ordinance determines the side yard setbacks for the "D" zoning district to be 10% of the lot width, but not less than 5 feet or more than 10 feet. In this case the setback is 7.5 feet. The generator is proposed to be placed at 2.5 feet from the side property line.

Chelsey Gordon

Assistant Director of Development Services

Building Inspector Date

TAILWATER
CAPITAL

June 4, 2024

The Town of Highland Park
c/o The Board of Adjustment
4700 Drexel Drive
Highland Park, TX 75205

Members of the Board of Adjustment,

I am writing to provide you with some additional details describing the hardship of my property site, and why I am requesting a variance for a generator permit for my property at 3608 Lindenwood Ave, Highland Park, TX 75205.

Since moving into our residence on October 31, 2023, the electric power supply to our home has been temporarily shut down no less than six times. On five occasions the power supply was out for between two to six hours, and on one occasion, it was out for approximately three days.

Given the fact that our home requires reliable access to electricity to run both our heating and cooling systems, this has become a material problem. In addition, I maintain a moderate wine collection that requires access to power to keep the bottles from spoiling. And most importantly, an older family member who regularly stays with us requires medication that needs to be refrigerated. Suffice it to say that the current situation is not tenable.

As you can see in the appeal materials, my current property only provides for one common sense location for the generator – in the side area on the west side of my property next to my pool equipment and HVAC compressors. The Highland Park plan examiner suggested that I take out our fire pit and place the generator in that location or, alternatively, put it on the turf next to our swimming pool. While both of these locations are obviously not appropriate from an aesthetic perspective, they are both in violation of the electric code -being within 4 feet of living space windows and within 10 feet of water, respectively.

The requested variance location is in a side yard next to the garage wall (no windows and not a living space), so it qualifies from a safety perspective. In addition, I have consent from my neighbor who shares the property line (letter attached). After thorough review and a property visit, it is the opinion of all parties (me, the plan examiner and the generator contractor) that this is the "common sense" location for the generator.

As Oncor is not capable of providing me with reliable, accessible power, I respectfully request a variance for the permit at the requested location for a gas generator. Thank you in advance for your consideration.

Best regards,

Jason Downie
Managing Partner
Tailwater Capital LLC

June 4, 2024

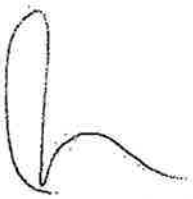
Board of Adjustment
Town of Highland Park
4700 Drexel Drive
Highland Park, Texas 75205

Members of the Board of Adjustment,

Please use this letter as written authorization granting support for our neighbors, Jason and Berkeley Downie at 3608 Lindenwood Avenue, to install a generator on the west side yard of their house, which is on their side of our shared dividing wall.

We understand and accept that there is weekly testing of a generator, and with that will come some noise. Please know that we are fine with their desired location.

Sincerely,



Jonathan and Aline Kaye
3610 Lindenwood Ave
Dallas, TX 75205

June 6, 2024

Board of Adjustment
Town of Highland Park
4700 Drexel Drive
Highland Park, Texas 75205

Members of the Board of Adjustment,

Our next-door neighbors, Berkeley & Jason Downie, who reside at 3608 Lindenwood Avenue, are requesting a variance for a generator permit. Please receive this letter as assurance that we are supportive of them installing a generator.

The Downies have told us they are requesting the generator be installed on the northwest corner of their property. And as with all generators, there will be a temporary noise emitted during the weekly testing periods. We are aware and understand.

Best regards,

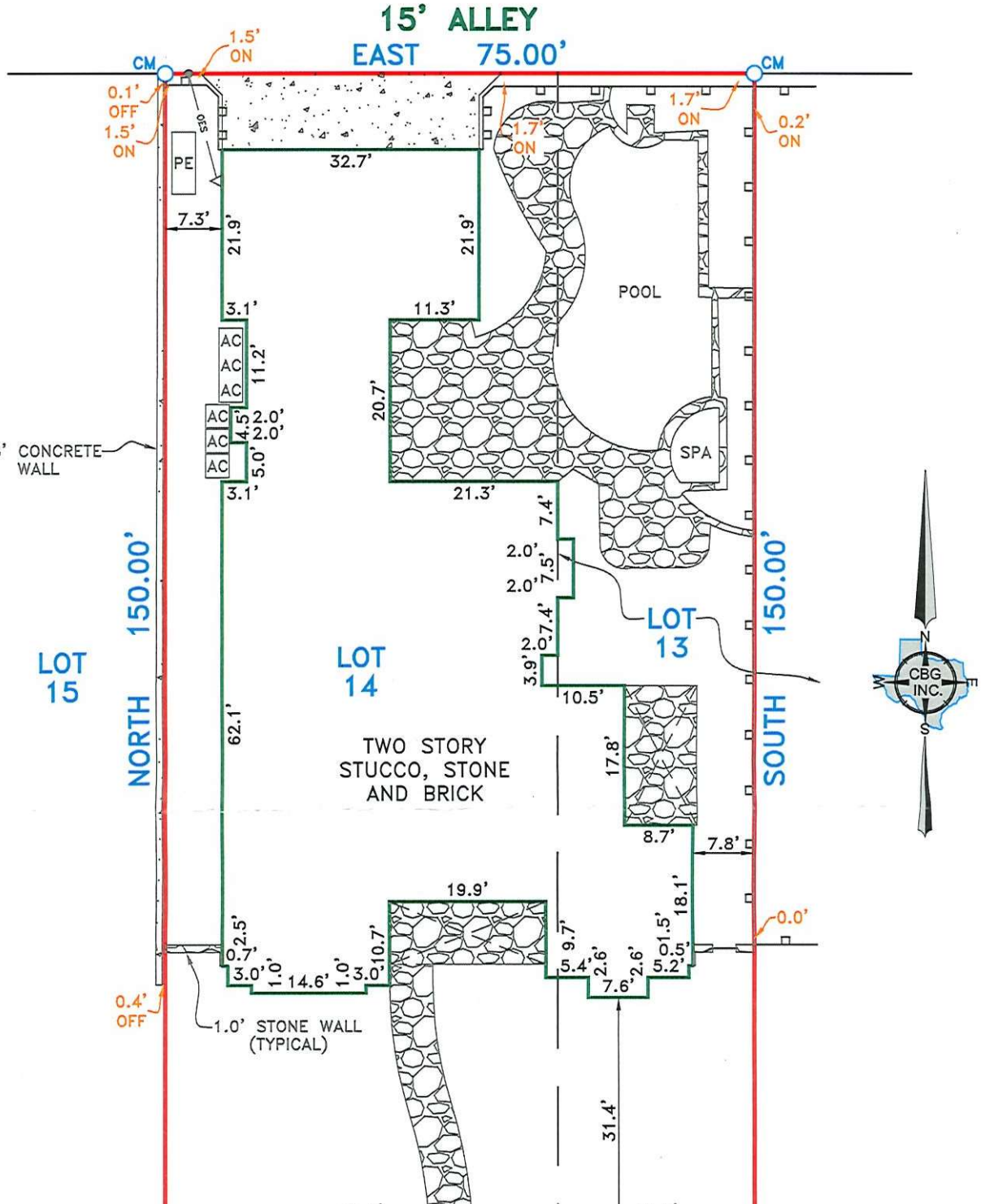
Margaret Gilbert

Margaret & David Gilbert
3604 Lindenwood Ave
Dallas, TX 75205

enwood Avenue

the West 25 feet of Lot 13, in Block 84, of
ment of Highland Park, an addition to the City
Dallas County, Texas, according to the Map
corded in Volume 1, Page 398, Plat Records,
xas.

stewart
title guaranty company



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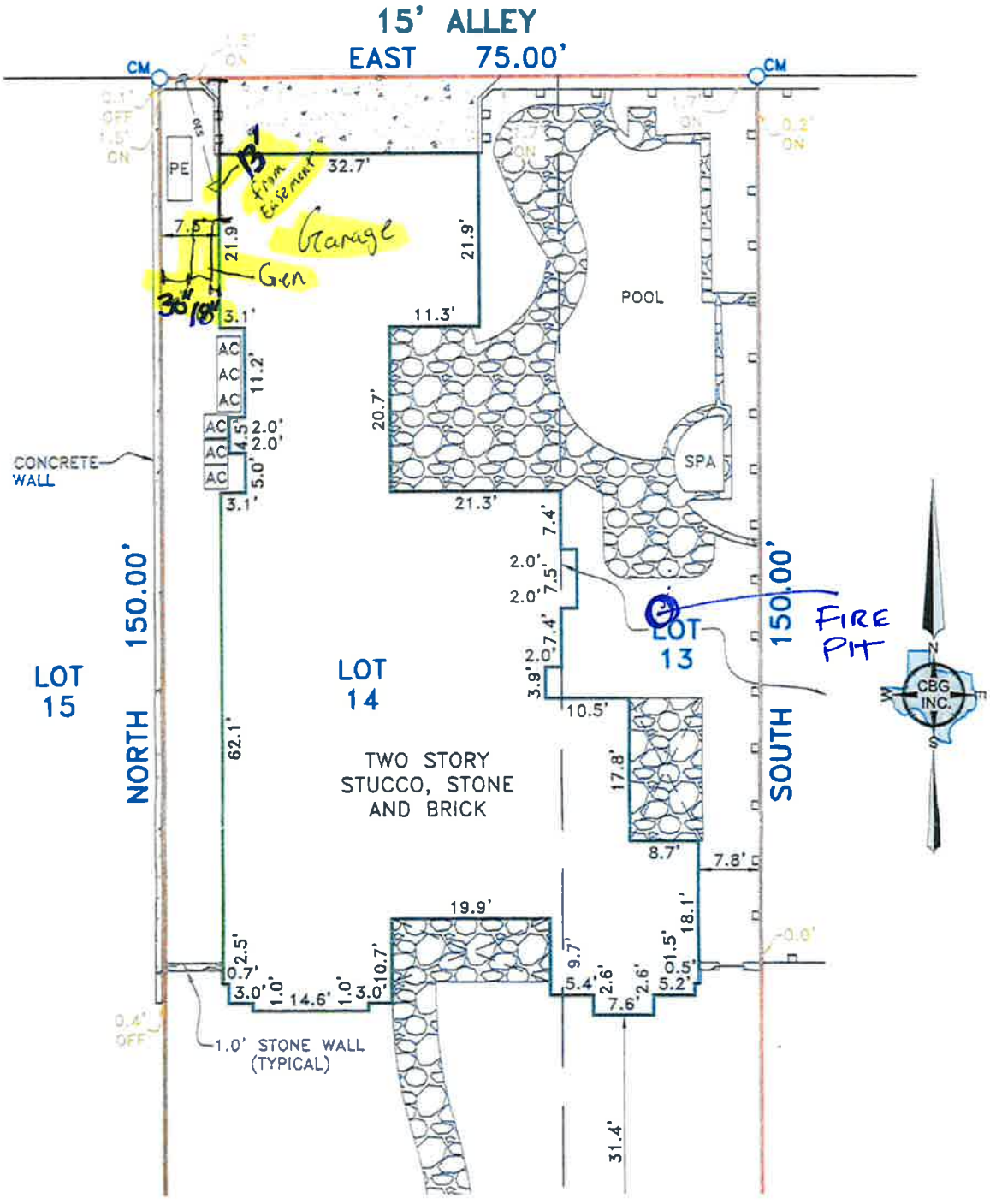


PROJECT: Jason Downie 48kw

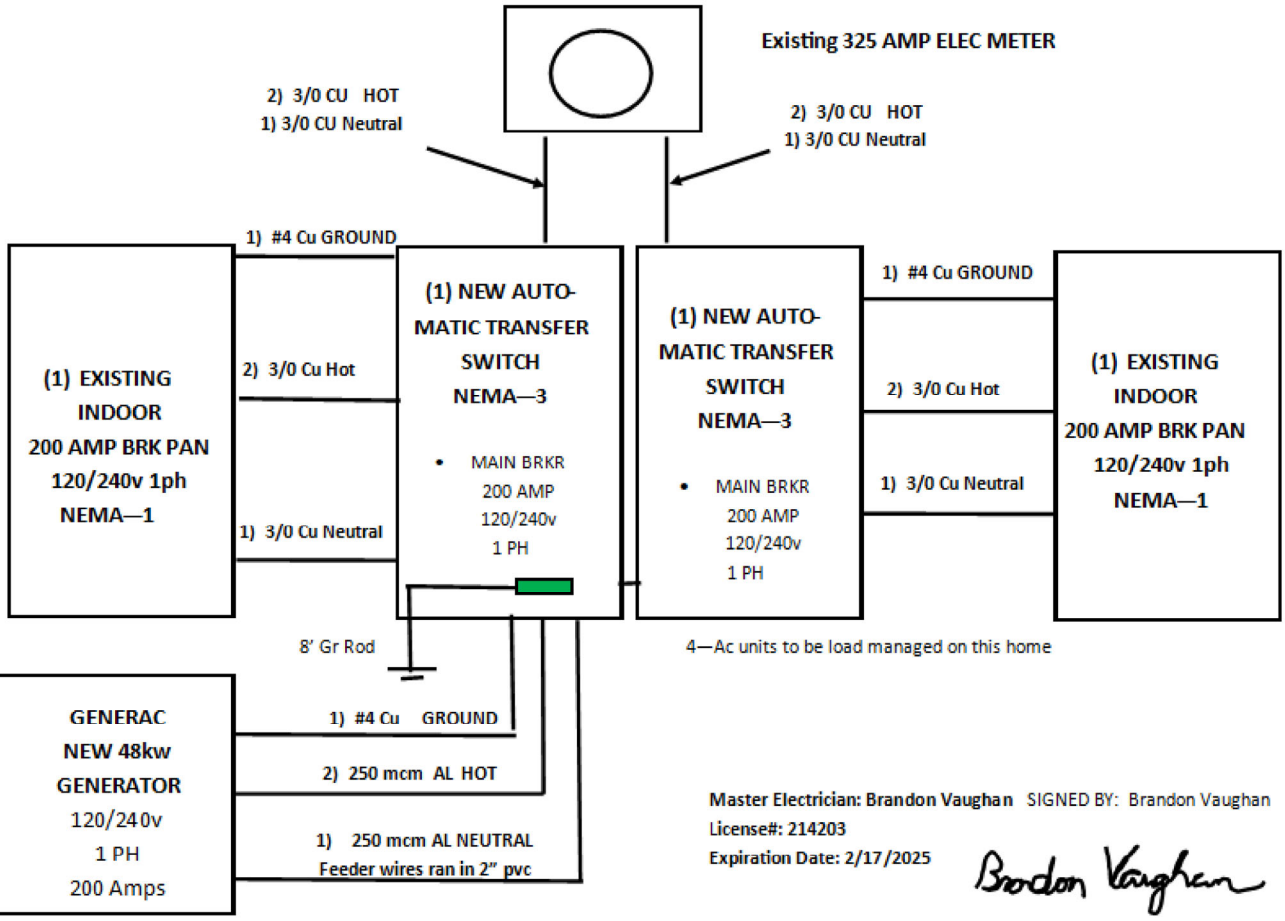
ADDRESS: 3608 Lindenwood Ave

Dallas, TX 75205

ELECTRICAL CONTRACTOR: Quantum Unlimited, LLC TECL 3362

Address; 1355 NW Parkway #201

Azle, TX 76020



Master Electrician: Brandon Vaughan SIGNED BY: Brandon Vaughan

License#: 214203

Expiration Date: 2/17/2025

Brandon Vaughan

1355 NW Parkway #201
Azle, TX 76020
Phone: 817-984-3600
Fax: 817-549-5999

Project: Jason Downie 48kw 04/05/24

Address: 3608 Lindenwood Ave Highland Park, Tx 75205

Load calculations with managed loads

General Load		
Sqft 8000x3		24000
Small appliance x2	1500	3000
Laundry x2	1500	3000
Refrigerator x2	1056	2112
Microwave	1200	1200
Cook top	5100	5100
Oven	4000	4000
Dishwasher	1200	1200
Disposal	500	500
Warming Drawer	620	620
Coffee Bar	1800	1800
Ice Maker	432	432
Under Counter Fridge	420	420
Dryer x2	5000	10000
Pool equipment	14400	14400
Total		71784
First 10000 @ 100%		10000
Remainder at 40%		24713.6
Total		34713.6

AC Units		
5-ton x4	5000	20000
2-ton x2	2000	4000
Forced Air Blower motors x6	700	4200
Total		28200
With additional general loads		62913.6

1355 NW Parkway #201
Azle, TX 76020
Phone: 817-984-3600
Fax: 817-549-5999

Generator derated for 110F 1.65x3.3=5.45%
48kw generator after derate is 45384

Managed loads		
5-ton AC Units x4	20000	
Total loads		62913.6
With managed loads applied	20000	42913.6

This will fall below the derated factor of the generator making it sufficient for this customer's needs.

Brandon Vaughan - License Number 214203
Expiration 2/17/2025

Protector®
Series

GENERAC®

PROTECTOR® SERIES

Standby Generators

Liquid-Cooled Gaseous Engine

INCLUDES:

- Two-Line LCD Multilingual Digital Evolution™ Controller (English/Spanish/French/Portuguese) With External Viewing Window for Easy Indication of Generator Status and Breaker Position
- Isochronous Electronic Governor
- Sound Attenuated Enclosure
- Closed Coolant Recovery System
- Smart Battery Charger
- UV/Ozone Resistant Hoses
- ±1% Voltage Regulation
- Field Convertible Fuel Type With No Mechanical Adjustment Required.
- 5 Year Limited Warranty
- UL 2200 Listed
- Listed and labeled by the Southwest Research Institute allowing installation as close as 18 in (457 mm) to a structure*

*Must be located away from doors, windows, and fresh air intakes and in accordance with local codes.
https://assets.swri.org/library/DirectoryOfListedProducts/ConstructionIndustry/973_DoC_204_13204-01-01_Rev9.pdf

Standby Power Rating
Model RG048 (Aluminum - Bisque) - 48 kW 60 Hz
Model RG060 (Aluminum - Bisque) - 60 kW 60 Hz
Model RG080 (Aluminum - Bisque) - 80 kW 60Hz

*Assembled in the USA using domestic and foreign parts

Meets EPA Emission Regulations
CA / MA Emission Compliant

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.
- **TEST CRITERIA:**
  - ✓ **PROTOTYPE TESTED**
  - ✓ **NEMA MG1-22 EVALUATION**
  - ✓ **SYSTEM TORSIONAL TESTED**
  - ✓ **MOTOR STARTING ABILITY**
- **MOBILE LINK® CONNECTIVITY:** Free with select Protector Series standby generator sets, Mobile Link Wi-Fi allows users to monitor the generator set status from anywhere in the world using a smartphone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account to an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.
- **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. Digital voltage regulation at ±1%.
- **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 the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.

GENERAC®

GENERAC®

48 / 60 / 80 kW

application & engineering data

GENERATOR SPECIFICATIONS

	48 kW	60 / 80 kW
Type	Synchronous	Synchronous
Rotor Insulation Class	F	H
Stator Insulation Class	H	H
Telephone Interference Factor (TIF)	<50	<50
Alternator Output Leads 1-Phase	4 wire	4 wire
Alternator Output Leads 3-Phase	6 wire	6 wire
Bearings	Sealed Ball	Sealed Ball
Coupling	Flexible Disc	Flexible Disc
Excitation System	Direct	Brushless

VOLTAGE REGULATION

Type	Electronic
Sensing	Single Phase
Regulation	± 1%

GOVERNOR SPECIFICATIONS

Type	Electronic
Frequency Regulation	Isochronous
Steady State Regulation	± 0.25%

ELECTRICAL SYSTEM

Battery Charge Alternator	12 Volt 35 Amp
Static Battery Charger	2.5 Amp
Recommended Battery (battery not included)	Group 27F (48kW), 725CCA
System Voltage	12 Volts

GENERATOR FEATURES

Revolving field heavy duty generator
Directly connected to the engine
Operating temperature rise 120 °C above a 40 °C ambient
Class H insulation is NEMA rated
Class F insulation is NEMA rated
All models fully prototyped tested

ENCLOSURE FEATURES

Aluminum weather protective enclosure	Ensures protection against mother nature. Electrostatically applied textured epoxy paint for added durability.
Enclosed critical grade muffler	Quiet, critical grade muffler is mounted inside the unit to prevent injuries.
Small, compact, attractive	Makes for an easy, eye appealing installation.
SAE	Sound attenuated enclosure ensures quiet operation.

ENGINE SPECIFICATIONS

	48 kW	60 / 80 kW
Make	Generac	Generac
Model	Inline 4 cylinder	Inline 4 cylinder
Cylinders	4	4
Displacement (Liters)	4.5	4.5
Bore (in/mm)	4.5 / 114.3	4.5 / 114.3
Stroke (in/mm)	4.25 / 107.95	4.25 / 107.95
Compression Ratio	9.9:1	8.85:1
Intake Air System	Naturally Aspirated	Turbocharged and aftercooled
Lifter Type	Hydraulic	Hydraulic

ENGINE LUBRICATION SYSTEM

Oil Pump Type	Gear
Oil Filter Type	Full Flow Spin-On Cartridge
Crankcase Capacity (qt / l)	12 / 11

ENGINE COOLING SYSTEM

Type	Ethylene Glycol 50 / 50 Mix
Water Pump	Belt-Driven
Fan Speed (rpm)	2,100
Fan Diameter 48 kW (in / cm)	20 (50.8)
Fan Diameter 60 kW and 80 kW (in / cm)	22 (55.9)
Fan Mode	Pusher

FUEL SYSTEM

Fuel Type	Natural Gas, Propane Vapor
Fuel Shut Off Solenoid	Standard
LP Fuel Pressure	7 - 14 in Water Column
NG Fuel Pressure	3.5 - 14 in Water Column

(All ratings in accordance with BS5514, ISO3046, ISO8528, SAE J1349 and DIN6271)

48 / 60 / 80 kW

operating data

GENERATOR OUTPUT VOLTAGE/kW - 60 Hz

		kW LPG	Amp LPG	kW Nat. Gas	Amp Nat. Gas	CB Size (Both)
RG048	120/240 V, 1Ø, 1.0 pf	48	200	48	200	200
	120/208 V, 3Ø, 0.8 pf	48	167	48	167	175
	120/240 V, 3Ø, 0.8 pf	48	144	48	144	150
	277/480 V, 3Ø, 0.8 pf	48	72	48	72	80
RG060	120/240 V, 1Ø, 1.0 pf	60	250	60	250	300
	120/208 V, 3Ø, 0.8 pf	60	208	60	208	200
	120/240 V, 3Ø, 0.8 pf	60	180	60	180	200
	277/480 V, 3Ø, 0.8 pf	60	90	60	90	100
RG080	120/240 V, 1Ø, 1.0 pf	75	312	80	333	400
	120/208 V, 3Ø, 0.8 pf	75	260	80	278	300
	120/240 V, 3Ø, 0.8 pf	75	226	80	241	300
	277/480 V, 3Ø, 0.8 pf	75	113	80	120	150

SURGE CAPACITY IN AMPS

		Voltage Dip @ < .4 pf	
		15%	30%
RG048	120 / 240 V, 1Ø	100	300
	120 / 208 V, 3Ø	118	242
	120 / 240 V, 3Ø	144	260
	277 / 480 V, 3Ø	64	123
RG060	120 / 240 V, 1Ø	150	413
	120 / 208 V, 3Ø	135	313
	120 / 240 V, 3Ø	117	289
	277 / 480 V, 3Ø	54	122
RG080	120 / 240 V, 1Ø	283	600
	120 / 208 V, 3Ø	236	500
	120 / 240 V, 3Ø	204	432
	277 / 480 V, 3Ø	102	192

ENGINE FUEL CONSUMPTION

		Natural Gas		Propane		
		(ft^3 / hr)	(m^3 / hr)	(gal / hr)	(ft^3 / hr)	(l / hr)
RG048	Exercise cycle	101	2.86	0.67	24.5	2.54
	25% of rated load	201	5.7	2.88	104.7	10.9
	50% of rated load	336	9.5	4.16	151.3	15.7
	75% of rated load	447	12.7	5.28	192	20
	100% of rated load	604	17.1	6.61	240.4	25
RG060	Exercise cycle	103	2.9	0.9	33.2	3.5
	25% of rated load	257	7.3	2.1	78	8.1
	50% of rated load	432	12.2	4.4	161.2	16.8
	75% of rated load	618	17.5	6.8	247.2	25.7
	100% of rated load	808	22.9	8.4	305.6	31.8
RG080	Exercise cycle	103	2.9	0.9	33.2	3.5
	25% of rated load	292	8.3	2.6	93.6	9.7
	50% of rated load	534	15.1	5.7	208.8	21.7
	75% of rated load	799	22.6	8.3	303.2	31.5
	100% of rated load	1,063	30.1	10.8	393.2	40.9

Note: **Fuel pipe must be sized for full load.**

For Btu content, multiply ft^3 / hr x 2,520 (LP) or ft^3 / hr x 1,000 (NG).

For megajoule content, multiply m^3 / hr x 93.15 (LP) or m^3 / hr x 37.26 (NG).

Refer to "Emissions Data Sheets" for maximum fuel flow for EPA and SCAQMD permitting purposes.

STANDBY RATING: Standby ratings apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046-1. Design and specifications are subject to change without notice.

GENERAC®

48 / 60 / 80 kW operating data

ENGINE COOLING

	48 kW	60 / 80 kW
Air Flow (inlet air including alternator and combustion air in cfm / cmm)	2,829 / 80.1	3,197 / 90.5
System Coolant Capacity (gal / liters)	2.9 / 11	4.5 / 17
Heat Rejection to Coolant (BTU per hr / MJ per hr)	201,600	204,570
Maximum Operation Air Temperature on Radiator (°F / °C)	150 / 66	150 / 66
Maximum Ambient Temperature (°F / °C)	140 / 60	140 / 60

COMBUSTION REQUIREMENTS

Flow at Rated Power (scfm / cmm)	92.7 / 2.6	170.4 / 4.8

SOUND EMISSIONS

Sound Output in dB(A) at 23 ft (7 m) With Generator*	68	68

*In exercise mode

EXHAUST

Exhaust Flow at Rated Output (scfm / cmm)	104 / 2.9	181 / 5.1
Exhaust Temperature at Muffler Outlet (°F / °C)	945 / 507	1,213 / 656

ENGINE PARAMETERS

Rated Synchronous rpm	1,800	1,800

POWER ADJUSTMENT FOR AMBIENT CONDITIONS

Temperature Deration ..... 3% for every 10 °C above 25 °C or 1.65% for every 10 °F above 77 °F
Altitude Deration (48 kW) .....1% for every 100 m above 183 m or 3% for every 1,000 ft above 600 ft
Altitude Deration (60 kW and 80 kW).....1% for every 100 m above 915 m or 3% for every 1,000 ft above 3,000 ft

CONTROLLER FEATURES

Two-Line Plain Text LCD Display.....Simple user interface for ease of operation.
Mode Switch: Auto .....Automatic Start on Utility failure. 7 day exerciser.
Off.....Stops unit. Power is removed. Control and charger still operate.
Manual.....Start with starter control, unit stays on. If utility fails, transfer to load takes place.
Programmable Start Delay Between 10-30 Seconds.....10 sec standard
Engine Start Sequence.....Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration)
Engine Warm-up.....5 sec
Engine Cool-Down..... 1 min
Starter Lock-Out. .....Starter cannot re-engage until 5 sec after engine has stopped.
Smart Battery Charger.....Standard
Automatic Voltage Regulation With Over and Under Voltage Protection.....Standard
Automatic Low Oil Pressure Shutdown .....Standard
Overspeed Shutdown .....Standard, 72 Hz
High Temperature Shutdown..... Standard
Overcrank Protection.....Standard
Safety Fused.....Standard
Failure to Transfer Protection .....Standard
Low Battery Protection.....Standard
50 Event Run Log .....Standard
Future Set Capable Exerciser..... Standard
Incorrect Wiring Protection ..... Standard
Internal Fault Protection.....Standard
Common External Fault Capability.....Standard
Governor Failure Protection..... Standard

48 / 60 / 80 kW

available accessories

Model #	Product	Description
G0071690	Mobile Link® 4G LTE Cellular Accessory	Generac's Mobile Link allows you to check the status of your generator from anywhere that you have access to an Internet connection from a PC or with any smart device. You will even be notified when a change in the generator's status occurs via e-mail or text message. Note: Harness Adapter Kit required. Available in the U.S. only.
G006478-0	Kit, Adapter Mobile Link L/C (Required for QT and RG Series)	The Harness Adapter Kit is required to make liquid-cooled units compatible with Mobile Link®.
G007992-0	Cold Weather Kit	If the temperature regularly falls below 32 °F (0 °C), install a cold weather kit to maintain optimal battery temperature. Kit consists of battery warmer with thermostat built into the wrap.
G007990-0	Extreme Cold Weather Kit	Recommended where the temperature regularly falls below 32 °F (0 °C) for extended periods of time. For liquid cooled units only.
G005651-0	Base Plug Kit	Add base plugs to the base of the generator to keep out debris.
G005703-0 - Bisque	Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch-up the paint to protect from future corrosion. The paint kit includes the necessary paint to properly maintain or touch-up a generator enclosure.
G007991-0	Scheduled Maintenance Kit	The Liquid-Cooled Scheduled Maintenance Kits offer all the hardware necessary to perform complete maintenance on Generac liquid-cooled generators.
G006664-0	Local Wireless Monitor	Completely wireless and battery powered, Generac's wireless remote monitor provides you with instant status information without ever leaving the house.
G006665-0	Wireless Remote Extension Harness	Recommended for use with the Wireless Remote on units up to 60 kW, required for use on units 70 kW or greater.
G007993-0	E-Stop	E-stop allows for immediate fuel shutoff and generator shutdown in the event of an emergency.
G007005-0	Wi-Fi LP Fuel Level Monitor	The Wi-Fi enabled LP fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank's fuel level is an important step in making sure your generator is ready to run during an unexpected power failure. Status alerts are available through a free application to notify when your LP tank is in need of a refill.
G007000-0 (50 amp) G007006-0(100 amp)	Smart Management Module	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. They manage large electrical loads upon startup and shed them to aid in recovery when overloaded. In many cases, using SMM's can reduce the overall size and cost of the system.
A0000018981	Ultrasonic Cleaner Solution	An ultra-concentrated anti-corrosive cleaning solution engineered to reach the smallest cavities to clean the toughest contaminants. This water based formula is non-toxic, biodegradable, safe for both metal and plastic surfaces, and is superior in rinsability.
A0000019001	All Surface Protectant	All surface protectant for vinyl, rubber, plastics creates a barrier that seals & protects surfaces from water, UV rays while renewing the look of the surface.

48 kW

Drawing #A0000293718-C (1 of 2)

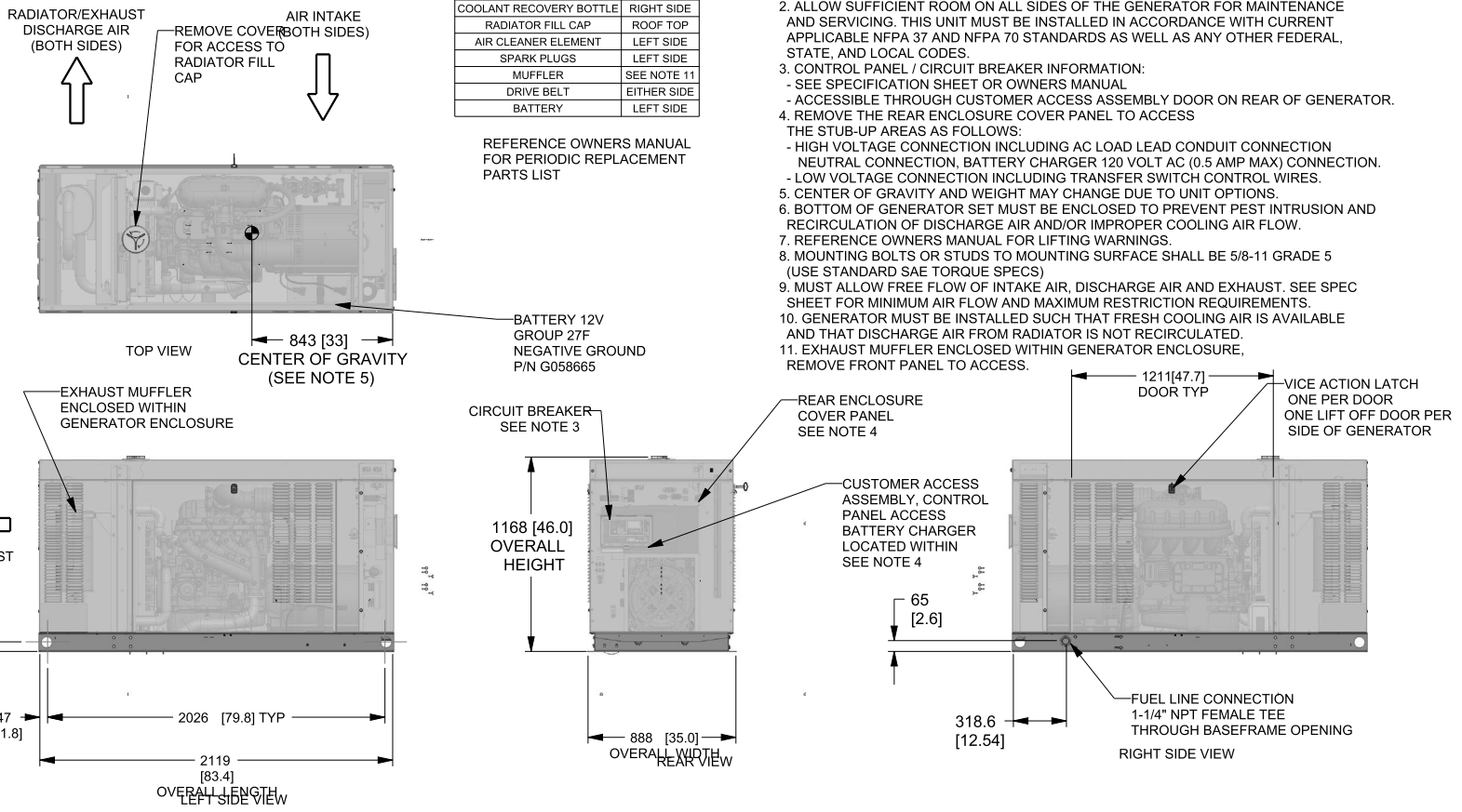
WEIGHT DATA				
ENGINE/KW	ENCLOSURE MATERIAL	WEIGHT GENSET ONLY KG [LBS]	WEIGHT SHIPPING SKID KG [LBS]	SHIPPING WEIGHT KG [LBS]
4.5L/48KW	AL	808 [1781]	51 [112]	859 [1893]

SERVICE ITEM	4.5L
OIL FILL CAP	LEFT SIDE
OIL DIP STICK	LEFT SIDE
OIL FILTER	LEFT SIDE
OIL DRAIN HOSE	RIGHT SIDE
RADIATOR DRAIN HOSE	RIGHT SIDE
COOLANT RECOVERY BOTTLE	RIGHT SIDE
RADIATOR FILL CAP	ROOF TOP
AIR CLEANER ELEMENT	LEFT SIDE
SPARK PLUGS	LEFT SIDE
MUFFLER	SEE NOTE 11
DRIVE BELT	EITHER SIDE
BATTERY	LEFT SIDE

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PARTS LIST

NOTES:

1. MINIMUM RECOMMENDED CONCRETE PAD SIZE IS 6" OFFSET OF OVERALL LENGTH AND WIDTH OF GENERATOR. {1193.8 (47") WIDE X 2423.2 (95.4") LONG}. REFERENCE INSTALLATION GUIDE SUPPLIED WITH THE UNIT FOR CONCRETE PAD GUIDELINES. REFERENCE MANUFACTURER'S SPECIFICATIONS IF USING ENGINEERED, PREFABRICATED SLABS.
2. ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE AND SERVICING. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
3. CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
   - SEE SPECIFICATION SHEET OR OWNERS MANUAL
   - ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
4. REMOVE THE REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
   - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION NEUTRAL CONNECTION, BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
   - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES.
5. CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
6. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
7. REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
8. MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
9. MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
10. GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.
11. EXHAUST MUFFLER ENCLOSED WITHIN GENERATOR ENCLOSURE, REMOVE FRONT PANEL TO ACCESS.



DIMENSIONS: MM [INCH]

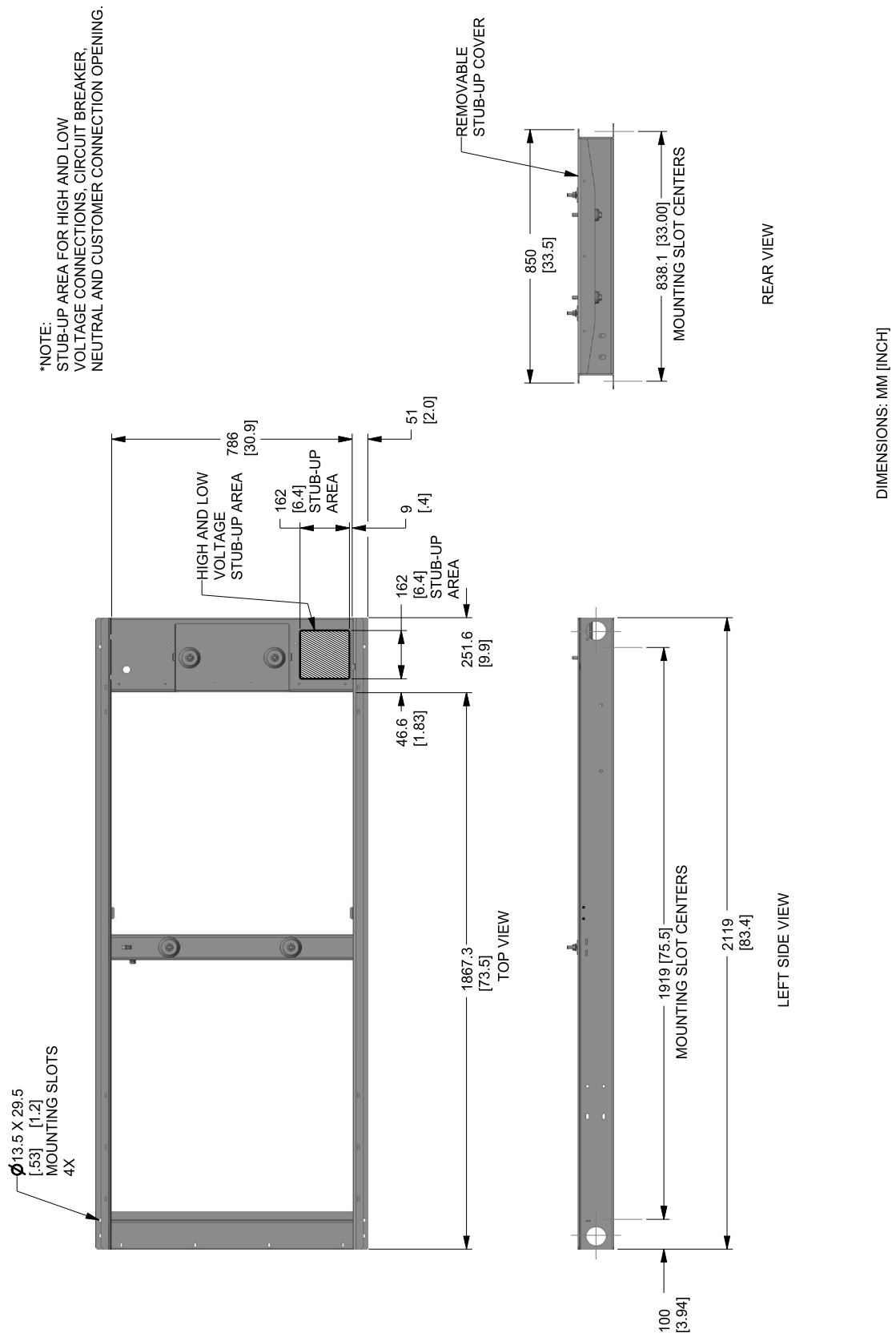
installation layout

GENERAC®

48 kW

installation layout

Drawing #A0000293718-C (2 of 2)

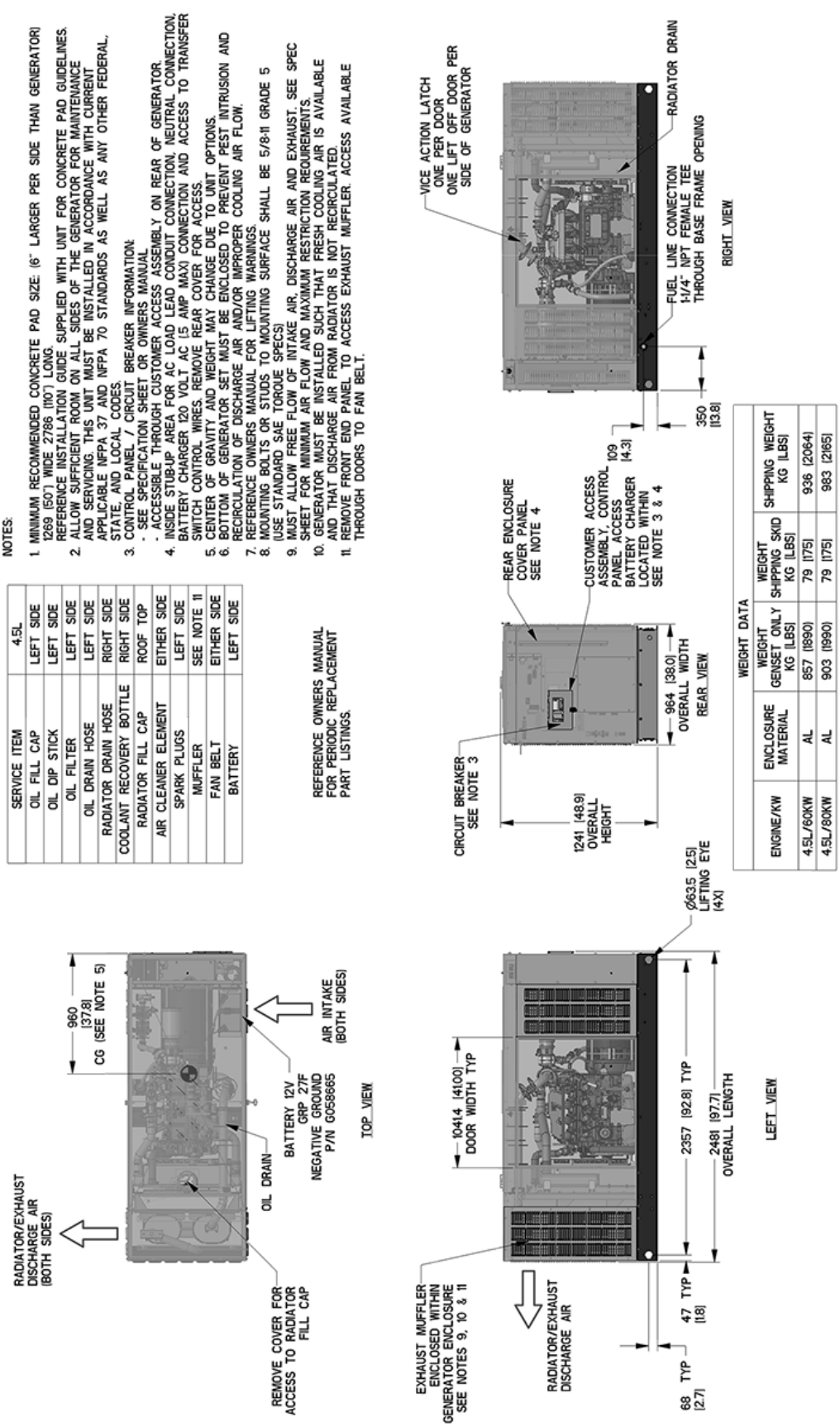


60 / 80 kW

GENERAC®

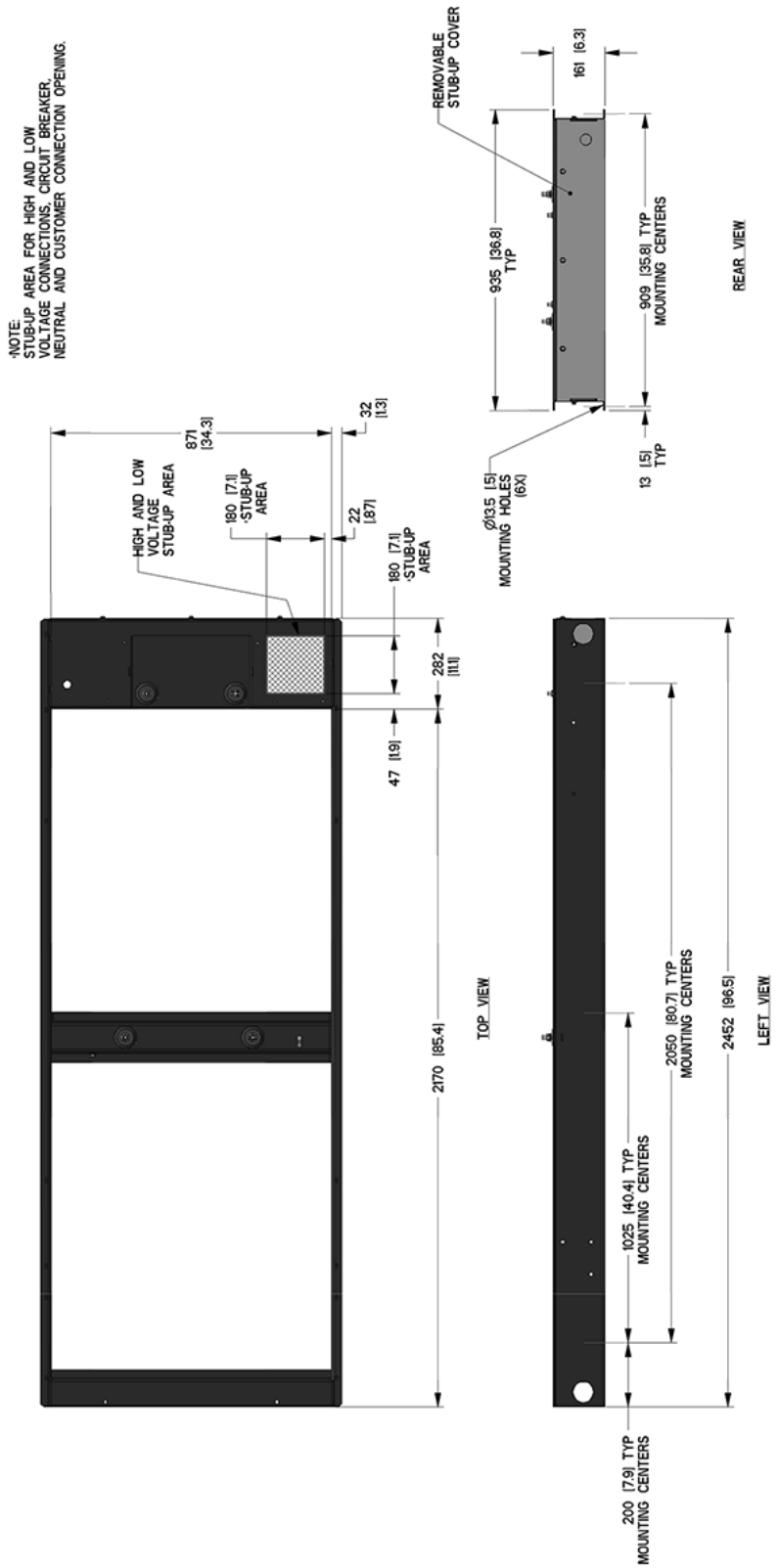
installation layout

Drawing #A0000293264 (1 of 2)



60 / 80 kW

Drawing #A0000293264 (2 of 2)



Automatic
Transfer Switches

GENERAC®

Service and Non-Service Rated Automatic Transfer Switches

Models: RXSC100A3
RXSW100A3
RXSW150A3
RXSC200A3
RXSW200A3

Description

This series of Generac Automatic Transfer Switches is designed for use with single phase generators that utilize an Evolution™ or Nexus™ Controller. The 100 and 200 Amp open transition switches are available in single phase in both service equipment rated and non-service equipment rated configurations. The 150 Amp open transition switch is only available in a service rated equipment configuration.

Standard Features

Service rated (RXSW) Generac Automatic Transfer Switches are housed in an aluminum NEMA Type 3R enclosure*, with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is an ETL recognized device, designed for years of service. The controller at the generator handles all the timing, sensing, exercising functions, and transfer commands. All switches are covered by a five year limited warranty.

* Non-service rated (RXSC) switches are housed in a steel enclosure.

Load Management Technology

Through the use of the integrated Smart A/C Module (SACM), these switches have the capability to manage up to four individual HVAC (24 VAC controlled) loads with no additional hardware. When used in tandem with external Smart Management Modules, a total of eight more loads can be managed, providing the most installation efficient power management options available.

GENERAC®

GENERAC®

100-200 Amps, Single Phase

Automatic Transfer Switches

Functions

All timing and sensing functions originate in the generator controller.

Utility Voltage Drop-out	<65%
Timer to Generator Start	10 Second Factory Set, Adjustable Between 2 - 1,500 Seconds by a Qualified Dealer*
Engine Warmup Delay	5 Seconds
Standby Voltage Sensor	65% for 5 Seconds
Utility Voltage Pickup	>80%
Re-transfer Time Delay	15 Seconds
Engine Cooldown Timer	60 Seconds
Exerciser	Nexus™: 12 Minutes Weekly Evolution™: 5 to 12 Minutes Adjustable, Weekly/Bi-weekly/Monthly
The Transfer Switch can be Operated Manually Without Power Applied	

* When used in conjunction with units utilizing Evolution™ controls

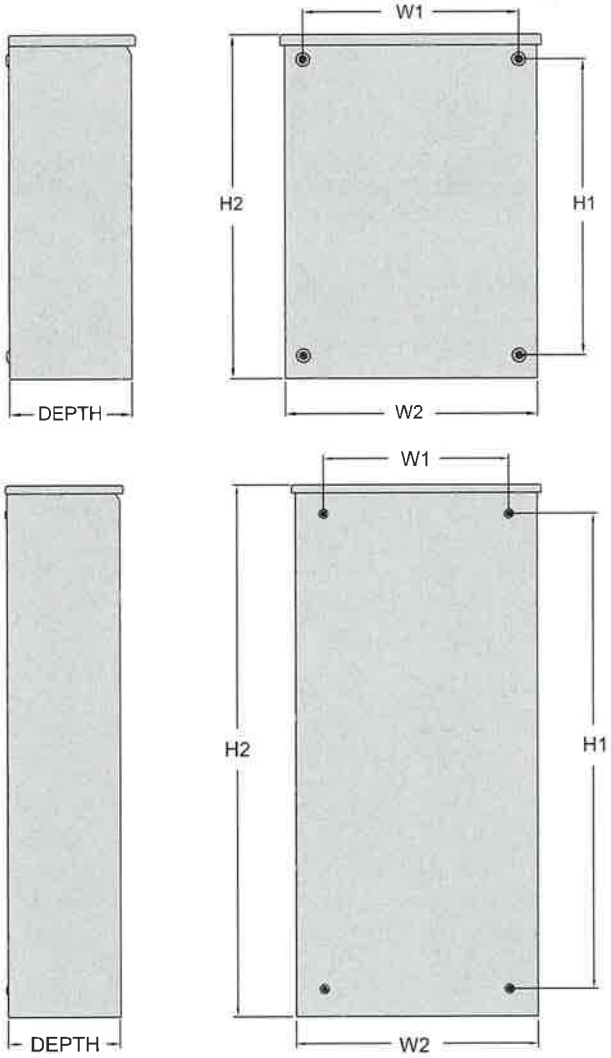
Specifications

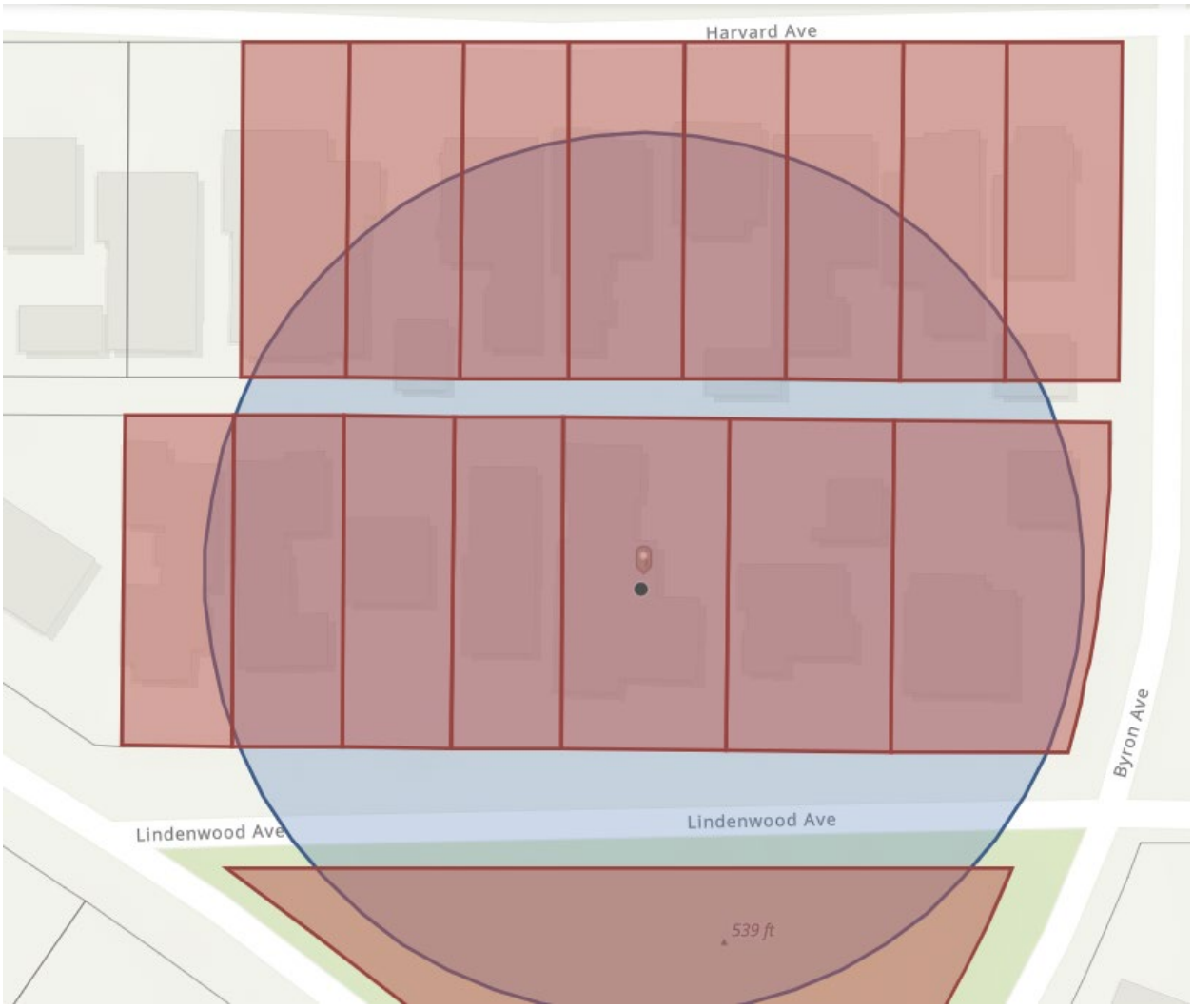
Model	RXSC100A3	RXSW100A3	RXSW150A3	RXSC200A3	RXSW200A3
Amps	100	100	150	200	200
Voltage	120/240, 1ø	120/240, 1ø	120/240, 1ø	120/240, 1ø	120/240, 1ø
Load Transition Type (Automatic)	Open Transition	Open Transition Service Rated	Open Transition Service Rated	Open Transition	Open Transition Service Rated
Enclosure Type	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R
ETL Rating	cETLus	ETLus	ETLus	cETLus	ETLus
Withstand Rating (Amps)	10,000	10,000	22,000	10,000	22,000
Lug Range	2/0 - #14		250 MCM - #6		

100-200 Amps, Single Phase

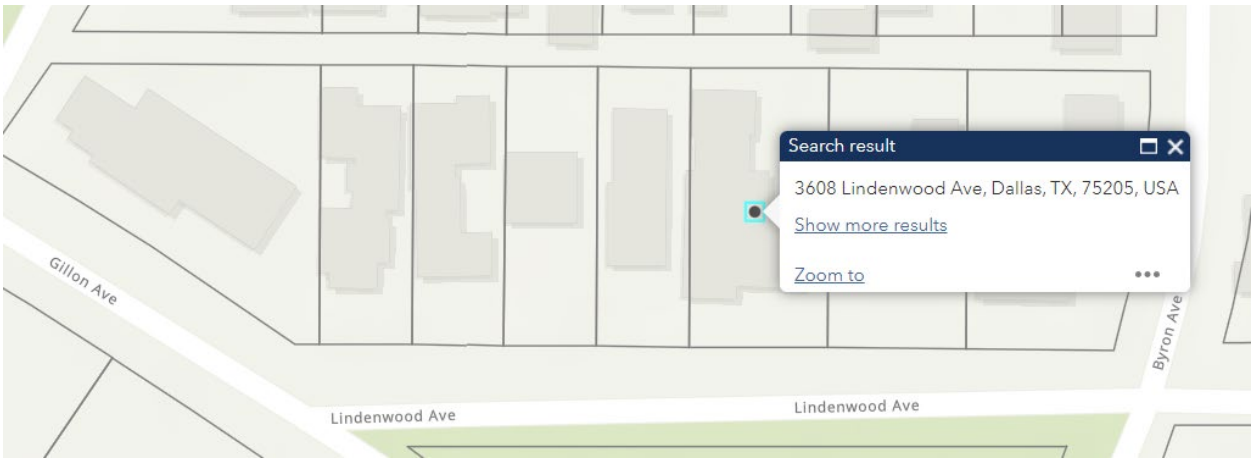
Dimensions

Model		RXSC100A3	RXSW100A3	RXSW150A3	RXSC200A3	RXSW200A3
Height - in (mm)	H1	17.2 (437.9)	17.2 (437.9)	26.8 (679.4)	17.2 (437.9)	26.8 (679.4)
	H2	20.0 (508.0)	20.0 (508.0)	30.0 (672.0)	20.0 (508.0)	30.0 (672.0)
Width - in (mm)	W1	12.5 (317.5)	12.5 (317.5)	10.5 (266.7)	12.5 (317.5)	10.5 (266.7)
	W2	14.6 (370.8)	14.6 (370.8)	13.5 (342.9)	14.6 (370.8)	13.5 (342.9)
Depth - in (mm)		7.1 (180.1)	7.1 (180.1)	6.3 (160.1)	7.1 (180.1)	6.3 (160.1)
Weight - lbs (kg)		20.0 (9.1)	22.5 (10.2)	39.0 (17.7)	20.0 (9.1)	39.0 (17.7)





200’ Notification Map



3608 Lindenwood Area Map