

Protector[™] Series

PROTECTOR[™] SERIES Diesel Generator Set

INCLUDES:

- True Power[™] Electrical Technology
- Two-line multilingual digital LCD Evolution[™] Controller (English/Spanish/French/Portuguese) with external viewing window for easy indication of generator status and breaker position.
- Isochronous electronic governor
- Sound attenuated aluminum enclosure
- Smart battery charger
- UV / Ozone resistant hoses
- ±1% Voltage regulation
- Five year limited warranty

Not for sale in US/CA

Standby Power Rating

- RD015 – 15 kW 60 Hz
- RD020 – 20 kW 60 Hz
- RD030 – 30 kW 60 Hz
- RD048 – 48 kW 60 Hz (single-phase only)
- RD050 – 50 kW 60 Hz (three-phase only)



QUIET-TEST



*Assembled in the USA using domestic and foreign parts

FEATURES

- **INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- **TRUE POWER[™] ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC systems.
- **TEST CRITERIA:**
 - ✓ PROTOTYPE TESTED ✓ NEMA MG1-22 EVALUATION
 - ✓ SYSTEM TORSIONAL TESTED ✓ MOTOR STARTING ABILITY
- **MOBILE LINK[®] CONNECTIVITY:** FREE with select Protector Series Home standby generators, the Mobile Link family of devices allow users to monitor generator 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 that the GENERAC product line includes its own transfer systems and controls for total system compatibility.

GENERATOR SPECIFICATIONS

Type	Synchronous
Rotor insulation class	H (15 & 20 kW) or F (30, 48, & 50 kW)
Stator insulation class	H
Telephone interference factor (TIF)	<50
Alternator output leads single-phase	Three wire
Alternator output leads three-phase	Six wire
Bearings	Single sealed cartridge
Coupling	Direct, flexible disc
Excitation system	Direct
Total harmonic distortion	< 5%

VOLTAGE REGULATION

Type	Electronic
Sensing	Single-phase
Regulation	± 1%
Features	Adjustable voltage and gain

GOVERNOR SPECIFICATIONS

Type	Electronic isochronous
Steady state regulation	± 0.25%

ELECTRICAL SYSTEM

Battery charge alternator	50 amp (15 & 20 kW), 65 amp (30 kW), or 50 amp (48 & 50 kW)
Static battery charger	2 amp
Recommended battery (battery not included)	Group 27F, 700CCA* *Group 31, 925CCA batteries can also be used with the 30kW
System voltage	12 volts

ALTERNATOR SPECIFICATIONS

Revolving field heavy duty generator
 Directly connected to the engine
 Operating temperature rise 120 °C (248 °F) above a 40 °C (104 °F) ambient
 Class H insulation is NEMA rated
 Class F insulation is NEMA rated
 All models fully prototype tested

ENCLOSURE FEATURES

Aluminum weather protective enclosure	Provides 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 and maximize sound dampening.
Small, compact, attractive	Makes for an easy, eye appealing installation.
SAE	Sound attenuated enclosure ensures quiet operation.

15 • 20 • 30 • 48 • 50 kW

Application and Engineering Data

ENGINE SPECIFICATIONS: 15 & 20 kW

Make	Mitsubishi
Model	In-line
Cylinders	4
Displacement (liters)	2.505
Bore (mm / in)	88 / 3.46
Stroke (mm / in)	103 / 4.06
Compression ratio	22:1
Intake air system	Naturally aspirated
Cylinder head type	Cast iron OHV
Piston type	Aluminum

ENGINE SPECIFICATIONS: 30 kW

Make	Perkins
Model	In-line
Cylinders	4
Displacement (liters)	2.216
Bore (mm / in)	84 / 3.30
Stroke (mm / in)	100 / 3.94
Compression ratio	23.3:1
Intake air system	Turbocharged / Aftercooled
Cylinder head type	Cast Iron OHV
Piston type	Aluminum

ENGINE SPECIFICATIONS: 48 & 50 kW

Make	Mitsubishi (MHI)
Model	In-line
Cylinders	4
Displacement (liters)	3.3
Bore (mm / in)	94 / 3.70
Stroke (mm / in)	120 / 4.72
Compression ratio	19:1
Intake air system	Turbocharged / aftercooled
Cylinder head type	Cast iron OHV
Piston type	Aluminum

ENGINE LUBRICATION SYSTEM

Oil pump type	Gear
Oil filter type	Full flow spin-on canister
Crankcase capacity (L / qt)	6.5 / 6.87 - 15 & 20 kW
	10.6 / 11.2 - 30 kW
	11.0 / 11.6 - 48 & 50 kW

FUEL SYSTEM

Fuel type	Ultra low sulfur diesel fuel
Fuel pump type	Mechanical engine driven gear
Injector type	Mechanical
Fuel supply line (mm / in)	7.94 / 0.31 (ID)
Fuel return line (mm / in)	N/A - 15 & 20 kW
	4.76 / 0.19 (ID) - 30 kW
	7.94 / 0.31 (ID) - 48 & 50 kW
Fuel specification	ASTM
Fuel filtering (microns)	6 - 15 & 20 kW
	25 - 30 kW
	6 - 48 & 50 kW

ENGINE COOLING SYSTEM

Water pump	Pre-lubed, self-sealing
Fan speed (rpm)	2,376 - 15 & 20 kW
	1,980 - 30 kW
	2,340 - 48 & 50 kW
Fan diameter (mm / in)	460 / 18.11 - 15 & 20 kW
	457.2 / 18 - 30 kW
	431.8 / 17 - 48 & 50 kW
Fan mode	Pusher

TANK SPECIFICATIONS

Total size (L / gal)	170.3 / 45 - 15 & 20 kW
	253.6 / 67 - 30, 48, & 50 kW
Usable size (L / gal)	151.4 / 40 - 15 & 20 kW
	230.9 / 61 - 30, 48, & 50 kW
Run time @ 1/2 load (hrs)	48.7 - 15 kW
	38.8 - 20 kW
	44.5 - 30 kW
	26.5 - 48 & 50 kW

WEIGHTS AND DIMENSIONS

Model	Weight (kg / lb)	Dimensions (L x W x H) (cm / in)
15 kW	622 / 1,372	158 x 78 x 124 / 62 x 31 x 49
20 kW	622 / 1,372	158 x 78 x 124 / 62 x 31 x 49
30 kW	783 / 1,726	195 x 89 x 147 / 77 x 35 x 57
48 & 50 kW	886 / 1,953	195 x 89 x 141 / 77 x 35 x 55

15 • 20 • 30 • 48 • 50 kW**Application and Engineering Data****GENERATOR OUTPUT VOLTAGE / KW-60 HZ**

		kW (Standby)	Amp (Standby)	kW (Prime)	Amp (Prime)	CB Size
RD015	120/240 V, 1Ø, 1.0 pf	15	62	12	50	70
	120/208 V, 3Ø, 0.8 pf	15	52	12	42	60
	120/240 V, 3Ø, 0.8 pf	15	45	12	36	50
RD020	120/240 V, 1Ø, 1.0 pf	20	83	16	67	100
	120/208 V, 3Ø, 0.8 pf	20	69	16	56	80
	120/240 V, 3Ø, 0.8 pf	20	60	16	48	70
RD030	120/240 V, 1Ø, 1.0 pf	30	125	24	100	150
	120/208 V, 3Ø, 0.8 pf	30	104	24	83	125
	120/240 V, 3Ø, 0.8 pf	30	90	24	72	100
	277/480 V, 3Ø, 0.8 pf	30	45	24	36	50
RD048	120/240 V, 1Ø, 1.0 pf	48	200	38.4	183	200
	120/208 V, 3Ø, 0.8 pf	50	173	40	153	200
RD050	120/240 V, 3Ø, 0.8 pf	50	150	40	132	175
	277/480 V, 3Ø, 0.8 pf	50	75	40	66	90

SURGE CAPACITY IN AMPS

Voltage Dip @ < 0.4 pf

		Voltage Dip @ < 0.4 pf	
		15%	30%
RD015	120/240 V, 1Ø	53	129
	120/208 V, 3Ø	37	90
	120/240 V, 3Ø	32	78
RD020	120/240 V, 1Ø	87	211
	120/208 V, 3Ø	59	143
	120/240 V, 3Ø	51	124
RD030	120/240 V, 1Ø	66	168
	120/208 V, 3Ø	59	144
	120/240 V, 3Ø	51	125
RD048	120/240 V, 1Ø	69	189
	120/208 V, 3Ø	90	218
RD050	120/240 V, 3Ø	78	189
	277/480 V, 3Ø	36	87

ENGINE FUEL CONSUMPTION

		L/hr	gal/hr
RD015	25% of rated load	2.27	0.60
	50% of rated load	3.22	0.85
	75% of rated load	4.16	1.10
	100% of rated load	5.53	1.46
RD020	25% of rated load	2.9	0.77
	50% of rated load	3.90	1.03
	75% of rated load	5.53	1.46
	100% of rated load	7.46	1.97
RD030	25% of rated load	3.67	0.97
	50% of rated load	5.19	1.37
	75% of rated load	7.46	1.97
	100% of rated load	10.49	2.77
RD048 RD050	25% of rated load	4.66	1.23
	50% of rated load	7.66	2.02
	75% of rated load	11.43	3.02
	100% of rated load	15.22	4.02

ENGINE COOLING

Model	15 kW	20 kW	30 kW	48 & 50 kW
Air flow (inlet air including alternator and combustion air in cmm / cfm)	78 / 2,750	78 / 2,750	79 / 2,800	80 / 2,824
System coolant capacity (L / gal)	11.4 / 3.0	11.4 / 3.0	9.5 / 2.5	10.6 / 2.8
Heat rejection to coolant (MJ per hr / BTU per hr)	100.5 / 95,220	100.5 / 95,220	135.7 / 128,638	143.4 / 135,900
Maximum operation air temperature on radiator (°C / °F)	50 / 122			
Maximum ambient temperature (°C / °F)	50 / 122			

COMBUSTION REQUIREMENTS

Flow at rated power (cmm / cfm)	2.4 / 86.3	2.5 / 88.0	5.38 / 190
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SOUND EMISSIONS

Sound output in dB(A) at 7 m (23 ft) with generator in exercise mode*	65
Sound output in dB(A) at 7 m (23 ft) with generator operating at normal load*	70

EXHAUST

Exhaust flow at rated output (cmm / cfm)	2.8 / 98.88	2.8 / 98.88	8.4 / 296.6	12.7 / 448
Exhaust temperature at rated output (°C / °F)	482 / 900	482 / 900	499 / 930	499 / 930

ENGINE PARAMETERS

Rated synchronous rpm	1,800			
HP at rated kW	26.4	33.5	49	85

POWER ADJUSTMENT FOR AMBIENT CONDITIONS

Temperature deration.....	3% for every 5 °C above 25 °C or 1.7% for every 5 °F above 77 °F
Altitude deration (15, 30, 48 & 50 kW).....	1% for every 100 m above 915 m or 3% for every 1,000 ft above 3,000 ft
Altitude deration (20 kW).....	1% for every 100 m above 305 m or 3% for every 1,000 ft above 1,000 ft

CONTROLLER FEATURES

Two-line plain text multilingual LCD	Simple user interface for ease of operation.
Mode buttons: AUTO	Automatic Start on Utility failure. Programmable 7 day exerciser.
MANUAL	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
OFF	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance Message	Standard
Engine run hours indication	Standard
Programmable start delay between 2–1,500 seconds.....	5 seconds standard (programmable by dealer only)
Utility Voltage Loss/Return to Utility Adjustable.....	From 140–171 V / 190–216 V
Future Set Capable Exerciser/Exercise Set Error warning	Standard
Run/Alarm/Maintenance logs.....	50 Events each
Engine start sequence	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration)
Starter Lock-out	Starter cannot re-engage until 5 seconds after engine has stopped.
Smart Battery Charger	Standard
Charger Fault/Missing AC warning.....	Standard
Low Battery/Battery Problem Protection and Battery Condition indication.....	Standard
Automatic Voltage Regulation with Over and Under Voltage protection.....	Standard
Under-Frequency/Overload/Stepper Overcurrent protection	Standard
Safety Fused/Fuse Problem protection.....	Standard
Automatic Low Oil Pressure shutdown	Standard
Overcrank/Overspeed (@ 72 Hz)/RPM Sense Loss shutdown	Standard
High Engine Temperature shutdown.....	Standard
Internal Fault/Incorrect Wiring protection	Standard
Common external fault capability.....	Standard
Field upgradeable firmware	Standard
Low Coolant Level shutdown	Standard
Auxiliary shutdown	Standard

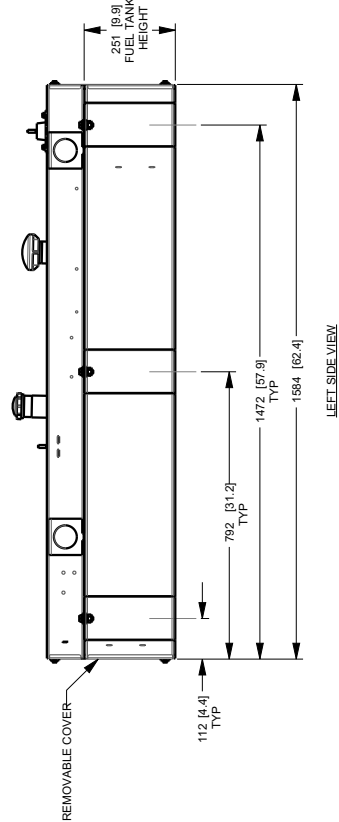
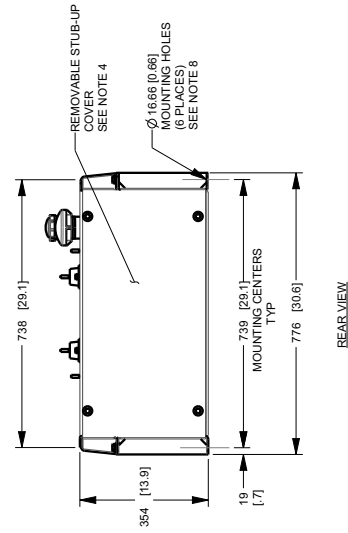
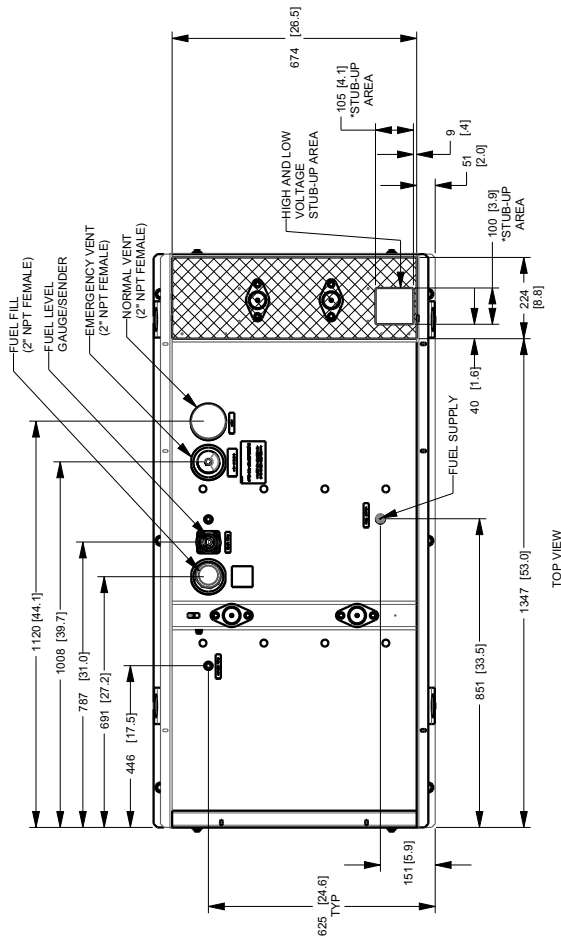
15 • 20 kW

D2.5L G2 Single Wall (2 of 2)

FUEL TANK	
TOTAL CAPACITY	169 [64]
USABLE CAPACITY	151 [60]

CAPACITY: LITER (GALLON)
DIMENSIONS: MM (INCH)

*NOTE: STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.



30 kW

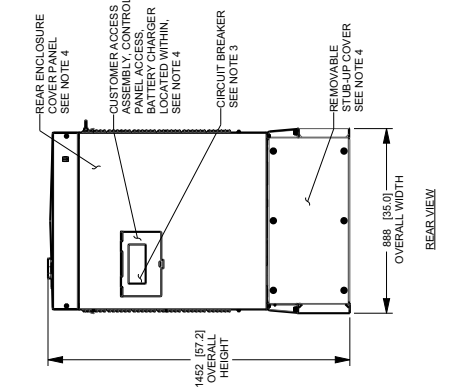
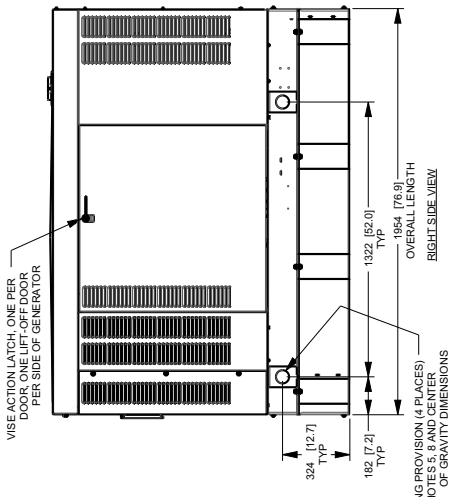
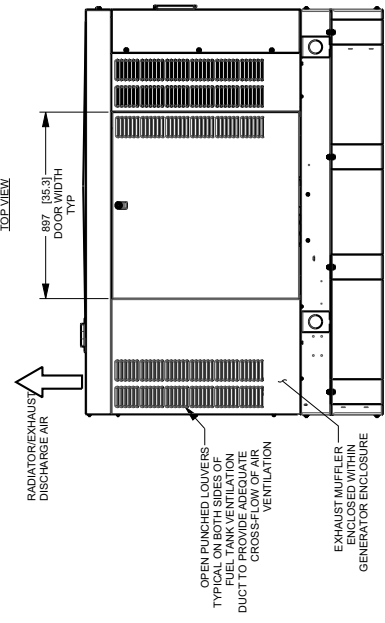
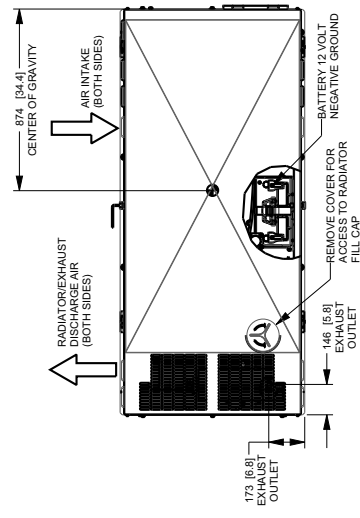
D2.2L G22 Single Wall (1 of 2)

Installation Layout

SERVICE ITEM	2.2L	WEIGHT DATA WITH EMPTY BASE TANK (SEE NOTE 5)
OIL FILL CAP	RIGHT SIDE	GENERATOR AS SHOWN 785 [1726]
OIL DIP STICK	RIGHT SIDE	WITH WOODEN SHIPPING SKID 819 [1806]
OIL FILTER	RIGHT SIDE	WEIGHT: KG (LBS)
OIL DRAIN HOSE	RIGHT SIDE	DIMENSIONS: MM (INCH)
RADIATOR DRAIN HOSE	LEFT SIDE	
COOLANT RECOVERY BOTTLE	LEFT SIDE	
RADIATOR FILL CAP ACCESS	ROOF	
AIR CLEANER ELEMENT	RIGHT SIDE	
MUFFLER	FRONT SIDE	
FAN BELT	EITHER SIDE	
BATTERY	LEFT SIDE	

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS

- NOTES:
- MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1984 (47' WIDE X 2261 (89' LONG). REFER TO THE CONCRETE PAD SUPPLIED WITH UNIT.
 - ALLOW SUFFICIENT ROOM ON ALL SIDES OF THE GENERATOR FOR MAINTENANCE AND SERVICING. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT NATIONAL AND LOCAL ELECTRICAL CODES, NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE AND LOCAL CODES.
 - CONTROL PANEL / CIRCUIT BREAKER INFORMATION:
 -SEE SPECIFICATION SHEET OR OWNERS MANUAL.
 -ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF THE STUB-UP AREAS AS FOLLOWS:
 -HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION AND DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW CONNECTION.
 -LOW VOLTAGE CONNECTIONS INCLUDING TRANSFER SWITCH CONTROL WIRES
 - ENGINE SERVICE CONNECTIONS
 OIL DRAIN: 3/8" NPT
 OIL DRAIN: 7/8" O.D.
 7. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 - REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
 - MINIMUM BOLTS FOR STUBS ON CONCRETE PAD SHALL BE 5/8-11 GRADE 5 (USE STANDARD SIZE TORQUE SPECS)



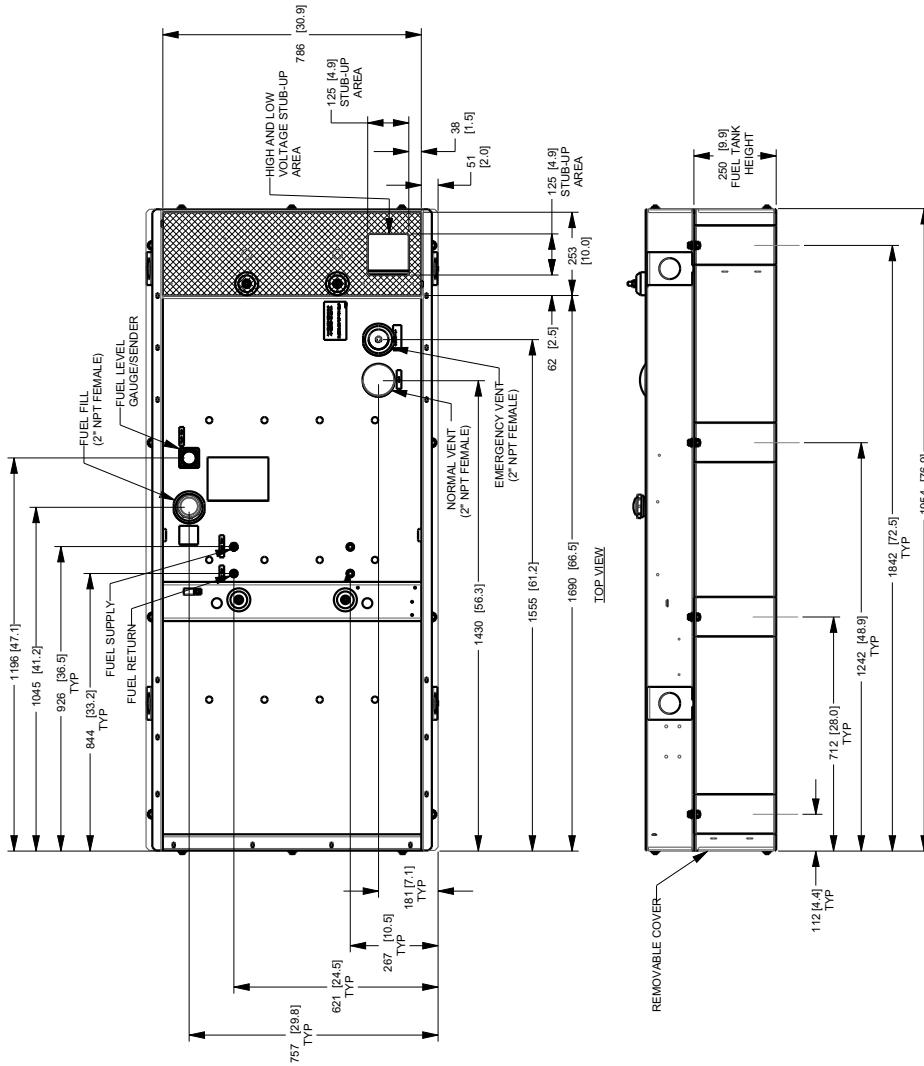
30 kW

D2.2L G22 Single Wall (2 of 2)

FUEL TANK	
TOTAL CAPACITY	253.6 [67]
USABLE CAPACITY	230.9 [61]

CAPACITY: LITER (GALLONS)
DIMENSIONS: MM (INCH)

*NOTE: STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, NEUTRAL AND CUSTOMER CONNECTION OPENING.



48 • 50 kW

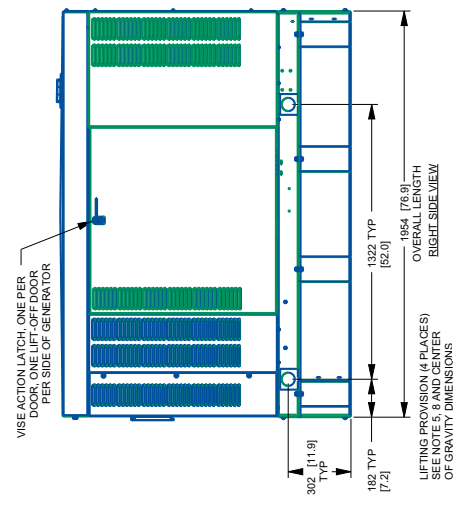
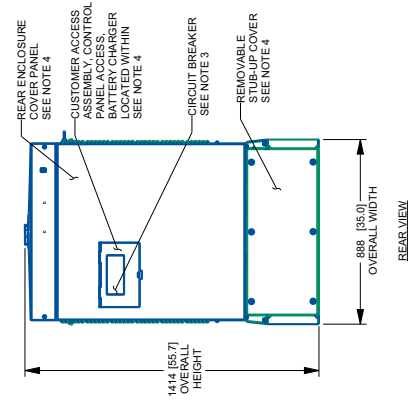
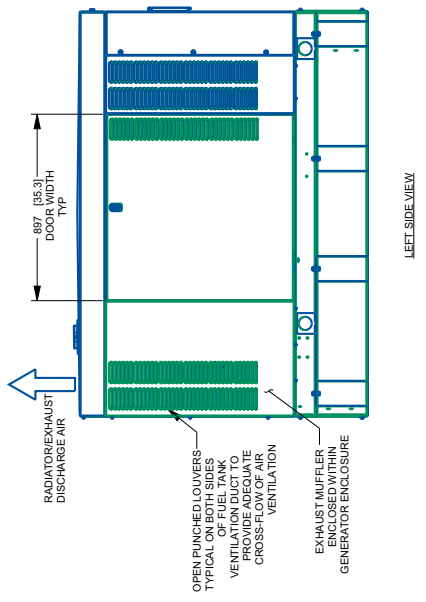
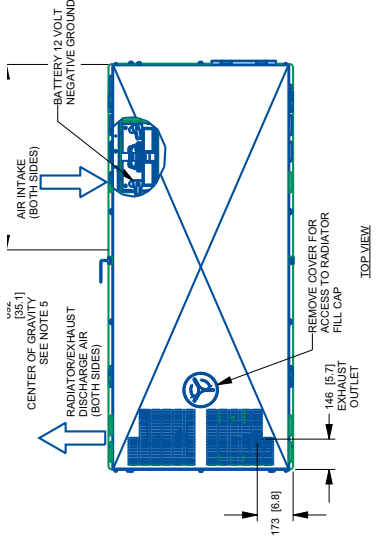
D3.3L Single Wall (1 of 2)

Installation Layout

1. MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1194 (47") WIDE X 2261 (89") LONG. REFERENCE INSTALLATION GUIDE SUPPLIED WITH UNIT FOR CONCRETE PAD GUIDELINES.
2. REMOVE THE REAR AND FRONT 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. REFER TO THE SERVICE INFORMATION: SEE SPECIFICATION SHEET OR OWNERS MANUAL FOR ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
4. REMOVE THE REAR TANK AND REAR ENCLOSURE COVER PANEL TO ACCESS:
 - HIGH VOLTAGE CONNECTION INCLUDING AC LEAD CONDUIT CONNECTION
 - NEUTRAL CONNECTION, BATTERY CHARGER (120 VOLT AC (0.5 AMP MAX) CONNECTION)
 - LOW VOLTAGE CONNECTIONS INCLUDING TRANSFER SWITCH CONTROL WIRES
 - BATTERY CHARGER
 - ENGINE SERVICE CONNECTIONS
 - OIL DRAIN: 3/8" NPT
 - EXHAUST OUTLET: 2" O.D.
5. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INFILTRATION AND TO PREVENT AIR FROM ENTERING THE GENERATOR PER COOLING AIR FLOW.
6. REFER TO THE OWNERS MANUAL FOR LIFTING WARNINGS.
7. MOUNTING BOLTS OR STUDS TO CONCRETE PAD SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)

	LEFT	RIGHT
OIL FILL CAP	LEFT	RIGHT
OIL DIP STICK	LEFT	RIGHT
OIL FILTER	LEFT	RIGHT
OIL DRAIN HOSE	RIGHT	RIGHT
RADIATOR DRAIN HOSE	RIGHT	RIGHT
CODOLANT RECOVERY BOTTLE	RIGHT	RIGHT
RADIATOR FILL CAP ACCESS	ROOF	ROOF
AIR CLEANER ELEMENT	RIGHT	RIGHT
MUFFLER	FRONT	FRONT
FAN BELT	FRONT	FRONT
BATTERY	RIGHT	RIGHT

PERIODIC REPLACEMENT PART LISTINGS



(SEE NOTE 9)
GENERATOR AS SHOWN [894 (1971)] WITH WOODEN SHIPPING SKID [533 (20971)]
WEIGHT: KG (LBS)
DIMENSIONS: MM (INCH)

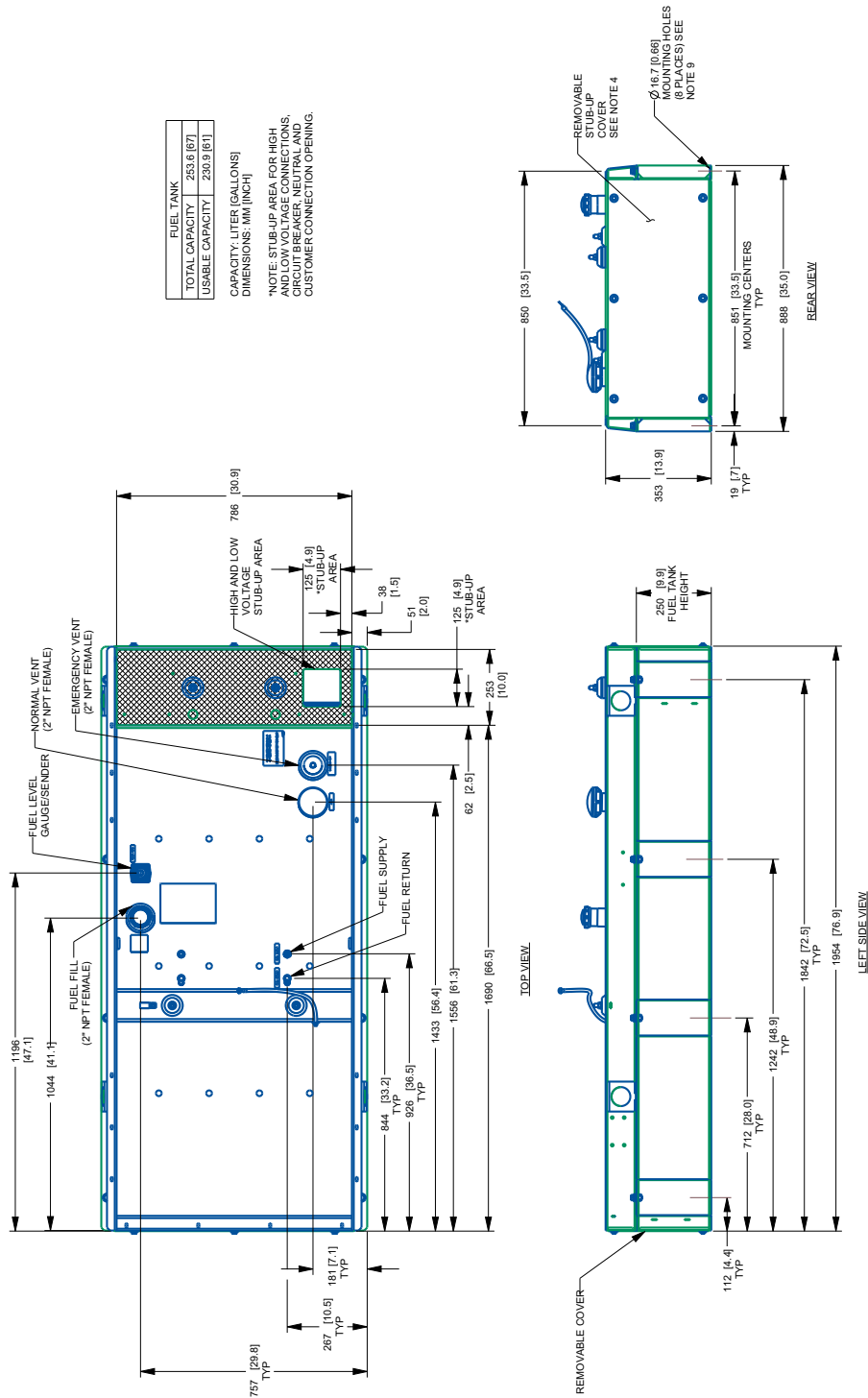
LIFTING PROVISION (4 PLACES)
SEE NOTE 5 AND CENTER OF GRAVITY DIMENSIONS

48 • 50 kW

D3.3L Single Wall (2 of 2)

FUEL TANK	
TOTAL CAPACITY	253.9 [67]
USABLE CAPACITY	230.9 [61]

CAPACITY: LITERS (GALLONS)
 DIMENSIONS: MM (INCH)
 *NOTE: STUB-UP AREA FOR HIGH AND LOW VOLTAGE CONNECTIONS, CIRCUIT BREAKER, AND TERMINAL BLOCKS. CUSTOMER CONNECTION OPENING.



15 • 20 • 30 • 48 • 50 kW**Available Accessories**

MODEL #	PRODUCT	DESCRIPTION
G006478-0	Harness Adapter Kit	The Harness Adaptor Kit is required to make liquid-cooled units compatible of Mobile Link®.
G006502-0	Spill Box	The five gallon spill box screws into the existing fuel fill port of the base tank. It captures and contains fuel if over fueling or spilling occurs during the fill process.
G006504-0	90% Fuel Level Alarm	The 90% fuel level alarm alerts the fuel fill operator when the tank reaches a 90% fill level by sounding an audible alarm and triggering an LED warning light.
G006505-0 - 15 & 20 kW G006506-0 - 30, 48, & 50 kW	Tank Risers	Tank risers are required in some municipalities to help avoid potential base tank corrosion caused by mounting on rough surfaces.
G006507-0	Fuel Fill Drop Tube	A powder coated steel fuel fill drop tube is required in some municipalities to prevent sparking due to static electricity buildup, which can be caused by the fuel dropping into the tank from the fill area. Using a steel fuel fill drop tube results in submerged filling, which increases the fuel delivery flow rate and reduces vapors, foam, and potential tank evaporation.
G007660-0 - 15 & 20 kW G007661-0 - 30 kW G007662-0 - 48 & 50 kW	Stainless Steel Fuel Lines	Some municipalities require the use of stainless steel fuel lines instead of the standard hoses provided with diesel generator products. These stainless steel fuel lines are fire resistant for additional safety.
G006510-0	E-Stop	E-stop allows for immediate fuel shutoff and generator shutdown in the event of an emergency.
G006511-0	Spill Box Drainback Kit	The spill box drainback kit allows captured fuel from the five gallon spill box to be drained directly into the fuel tank to avoid vapors.
G006588-1	Vent Extension Support Kit	The vent extension support kit consists of two aluminum plates with the appropriate pipe cutouts to secure the vent extension pipes coming through the top of the generator enclosure. It helps to minimize stress on the NPT fittings integrated on the tank and also helps protect against pests.
G006512-0	Lockable Fuel Cap	The cast iron, lockable fuel cap provides the ability to lock the fuel system to prevent unwanted fuel tampering or fuel siphoning.
G007640-0 - 15 & 20 kW G007641-0 - 30 kW G007642-0 - 48 & 50 kW	Scheduled Maintenance Kits	The Protector Scheduled Maintenance Kits provide all the items necessary to perform complete routine maintenance on Generac Protector generators.
G007650-0 - 15 & 20 kW G007651-0 - 30 kW G007652-0 - 48 & 50 kW	Cold Weather Kits	Recommended for generators installed in regions where the temperature regularly falls below 0 °C (32 °F). Cold Weather Kits consist of a block heater with all necessary mounting hardware and a battery warmer with a thermostat built into the battery wrap.
G005703-0	Touch-Up Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch up the paint to protect from future corrosion. The touch-up paint kit includes the necessary paint to correctly maintain or touch up a generator enclosure.
G006873-0	Smart Management Module (50 amps)	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large electrical loads upon startup and sheds 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, and plastics. Creates a barrier that seals and protects surfaces from water and UV rays, while renewing the look of the surface.
G007169-0 - 4G LTE Device G007170-0 - Wi-Fi & Ethernet Device	Mobile Link® Cellular Accessories	The Mobile Link family of Cellular Accessories allows users to monitor generator status from anywhere in the world, using a smart phone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.