

Protector™ Series

Diesel Generator Set

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 Aluminum Enclosure
- Smart Battery Charger
- UV / Ozone Resistant Hoses
- ±1% Voltage Regulation
- Integrated base tank options are available with run times over 90 hours without having to refuel*
- Five Year Limited Warranty
- UL 2200 / UL142 / ULC S601 Listed
- Meets code requirements for External Vent and Fill

Standby Power Rating

Model RD015 - 15 kW 60 Hz
 Model RD020 - 20 kW 60 Hz
 Model RD030 - 30 kW 60 Hz



QUIET-TEST



*Assembled in the USA using domestic and foreign parts

Meets EPA Emission Regulations
 CA/MA Emissions Compliant

* Time calculated at one-half maximum kW output.

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
 - ✓ SYSTEM TORSIONALTESTED
 - ✓ NEMA MG1-22 EVALUATION
 - ✓ MOTOR STARTING ABILITY
- **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.
- **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.

15 • 20 • 30 kW

GENERAC®

application and engineering data

GENERATOR SPECIFICATIONS

Type	Synchronous
Rotor Insulation Class	H (15 & 20 kW) or F (30 kW)
Stator Insulation Class	H
Telephone Interference Factor (TIF)	< 50
Alternator Output Leads 1-Phase	Three wire
Alternator Output Leads 3-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 & 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)
Static Battery Charger	2 Amp
Recommended Battery (battery not included)	Group 27F, 700 CCA Group 31, 925 CCA batteries can also be used with 30kW units
System Voltage	12 Volts

ALTERNATOR SPECIFICATIONS

<p>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 prototype tested</p>

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

15 • 20 • 30 kW

ENGINE SPECIFICATIONS: 15 & 20 kW

Make	Mitsubishi
Model	In-line
Cylinders	4
Displacement (Liters)	2.505
Bore (in / mm)	3.46 / 88
Stroke (in / mm)	4.06 / 103
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 (in / mm)	3.30 / 84
Stroke (in / mm)	3.94 / 100
Compression Ratio	23.3:1
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 (quarts / liters)	6.87 / 6.5 - 15 & 20 kW 11.2 / 10.6 - 30 kW

ENGINE COOLING SYSTEM

Water Pump	Pre-lubed, self-sealing
Fan Speed (rpm)	2376 - 15 & 20 kW 1980 - 30 kW
Fan Diameter (in / mm)	18.11/460 (15 & 20 kW) 18/457.2 (30kW)
Fan Mode	Pusher

FUEL SYSTEM—TANK SPECIFICATIONS

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
Fuel Specification	ASTM
Fuel Filtering (microns)	6—15 & 20 kW 25—30 kW

WEIGHTS AND DIMENSIONS

kW size	Tank size	Weight (lb / kg)	Dimensions (L x W x H) (in / cm)
15 kW	Extended	1528 / 693	81 x 31 x 51 / 206 x 79 x 129
	95 Gal	1757 / 797	81 x 31 x 65 / 206 x 79 x 165
20 kW	Extended	1528 / 693	81 x 31 x 51 / 206 x 79 x 129
	95 Gal	1757 / 797	81 x 31 x 65 / 206 x 79 x 165
30 kW	Extended	1857 / 842	95 x 35 x 59 / 241 x 89 x 150
	132 Gal	2070 / 939	95 x 35 x 68 / 241 x 89 x 173

TANK SPECIFICATIONS

kW size	Tank	Total Capacity	Usable Capacity	Run Time at 1/2 Load (hrs)
		(gal / L)	(gal / L)	
15 kW	Extended Tank	33.5 / 127	32 / 121	39
	95 Gal Tank	98.5 / 372.9	95 / 359.6	115.8
20 kW	Extended Tank	33.5 / 127	32 / 121	31
	95 Gal Tank	98.5 / 372.9	95 / 359.6	92.2
30 kW	Extended Tank	61 / 233	57 / 215	41.6
	132 Gal Tank	138.5 / 524	132 / 500	96.4

15 • 20 • 30 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

SURGE CAPACITY IN AMPS

		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
	277/480 V, 3Ø	26	64

ENGINE FUEL CONSUMPTION

		gal/hr	L/hr
RD015	25% of rated load	0.60	2.27
	50% of rated load	0.85	3.22
	75% of rated load	1.10	4.16
	100% of rated load	1.46	5.53
RD020	25% of rated load	0.77	2.9
	50% of rated load	1.03	3.90
	75% of rated load	1.46	5.53
	100% of rated load	1.97	7.46
RD030	25% of rated load	0.97	3.67
	50% of rated load	1.37	5.19
	75% of rated load	1.97	7.46
	100% of rated load	2.77	10.49

15 • 20 • 30 kW

ENGINE COOLING

	15 kW	20 kW	30 kW
Air flow (inlet air including alternator and combustion air in cfm/cmm)	2750 / 78	2750 / 78	2800 / 79
System coolant capacity (gal / liters)	3.0 / 11.4	3.0 / 11.4	2.5 / 9.5
Heat rejection to coolant (BTU per hr/MJ per hr)	95,220 / 100.5	95,220 / 100.5	128,638 / 135.7
Maximum operation air temperature on radiator (°C/°F)	50 / 122		
Maximum ambient temperature (°C/°F)	50 / 122		

COMBUSTION REQUIREMENTS

	15 kW	20 kW	30 kW
Flow at rated power (cfm / cmm)	86.3 / 2.4	86.3 / 2.4	88 / 2.5

SOUND EMISSIONS

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

EXHAUST

	15 kW	20 kW	30 kW
Exhaust flow at rated output (cfm/cmm)	98.88 / 2.8	98.88 / 2.8	296.6 / 8.4
Exhaust temperature at rated output (°C/°F)	482 / 900	482 / 900	499 / 930

ENGINE PARAMETERS

Rated Synchronous RPM	1800		
HP at rated kW	26.4	33.5	49

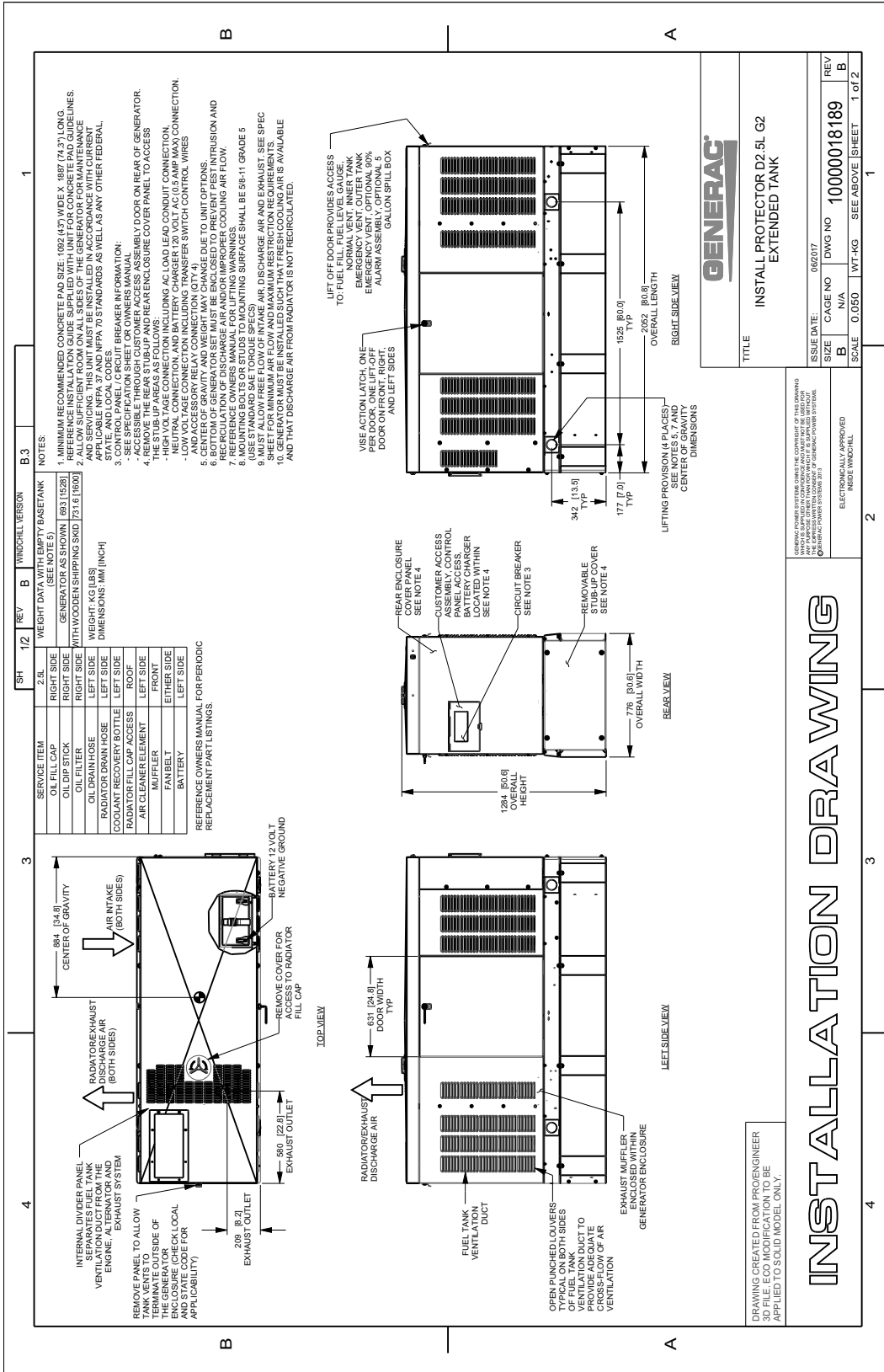
POWER ADJUSTMENT FOR AMBIENT CONDITIONS

Temperature Deration3% for every 5 °C above 25 °C or 1.7% for every 5 °F above 77 °F
 Altitude Deration (15 & 30 kW).....1% for every 100 m above 915 m or 3% for every 1000 ft above 3000 ft
 Altitude Deration (20 kW)1% for every 100 m above 305 m or 3% for every 1000 ft above 1000 ft

CONTROLLER FEATURES

2-Line Plain Text Multilingual LCD Display 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 2-1500 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 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

D2.5L G2 Extended Tank (1 of 2)



- NOTES:**
1. MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1882 (74.5") WIDE X 1887 (74.3") LONG. REFERENCE INSTALLATION GUIDE SUPPLIED WITH UNIT FOR CONCRETE PAD GUIDELINES AND DIMENSIONS.
 2. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, OR LOCAL REGULATIONS.
 3. CONTROL PANEL, CIRCUIT BREAKER INFORMATION:
 - SEE SPECIFICATION SHEET OR OWNERS MANUAL.
 - THE CONTROL PANEL AND CIRCUIT BREAKER SHALL BE MOUNTED ON REAR OF GENERATOR. ACCESSIBLE FROM THE REAR OF GENERATOR.
 - THE STUB-UP AREAS AS FOLLOWS:
 - HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION.
 - REMOVABLE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS.
 - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES.
 - AND ACCESSORY RELAY CONNECTION (QTY 4).
 4. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND IMPROPER COOLING AIR FLOW.
 5. REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
 6. THE FINISHING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS).
 7. MUST ALLOW FREE FLOW OF INTAKE AIR, DISCHARGE AIR AND EXHAUST. SEE SPECIFICATIONS FOR EXHAUST REQUIREMENTS.
 8. GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.

SH	REV	B	WINDCHILL VERSION	B.3
1	12		WEIGHT DATA WITH EMPTY BASE/TANK GENERATOR AS SHOWN (893 [32.28]) WITH WOODEN SHIPPING SKID (731.6 [28.60])	
			WEIGHT (KG/LBS)	
			DIMENSIONS (MM [INCH])	
			GENERATOR AS SHOWN (893 [32.28])	
			WITH WOODEN SHIPPING SKID (731.6 [28.60])	
			RIGHT SIDE	
			LEFT SIDE	
			ROOF	
			FRONT	
			LEFT SIDE	
			RIGHT SIDE	
			RIGHT SIDE	
			LEFT SIDE	
			ROOF	
			FRONT	
			LEFT SIDE	
			RIGHT SIDE	

SERVICE ITEM

OIL FILL CAP
OIL DIP STICK
OIL FILTER
OIL DRAIN HOSE
RADIATOR DRAIN HOSE
COOLANT RECOVERY BOTTLE
RADIATOR FILL CAP ACCESS
AIR CLEANER ELEMENT
FAN BELT
BATTERY

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS.

INTERNAL DIVIDER PANEL
SEPARATES FUEL TANK VENTILATION DUCT FROM THE ENGINE EXHAUST SYSTEM.

REMOVE PANEL TO ALLOW VENTILATION TO TERMINATE OUTSIDE OF THE GENERATOR ENCLOSURE TO MEET LOCAL AND STATE CODE FOR APPLICABILITY.

BATTERY 12 VOLT NEGATIVE GROUND

REMOVE COVER FOR ACCESS TO RADIATOR FILL CAP

EXHAUST OUTLET

EXHAUST OUTLET

EXHAUST MUFFLER GENERATOR ENCLOSURE

REAR ENCLOSURE COVER PANEL
SEE NOTE 4

CUSTOMER ACCESS ASSEMBLY CONTROL BATTERY CHARGER LOCATED WITHIN
SEE NOTE 4

CIRCUIT BREAKER
SEE NOTE 3

REMOVABLE COVER
SEE NOTE 4

1284 [50.6] HEIGHT

778 [30.6] OVERALL WIDTH

BEAR VIEW

FUEL TANK VENTILATION DUCT

OPEN PUNCHED COVERS TYPICAL ON BOTH SIDES OF FUEL TANK ENCLOSURE MUST TO PROVIDE ADEQUATE CROSS-FLOW OF AIR VENTILATION

631 [24.8] TYP. DOOR WIDTH

1935 [80.0] OVERALL LENGTH

177 [7.0] TYP. LIFTING PROVISION

LEFT SIDE VIEW

GENERAC

INSTALL PROTECTOR D2.5L G2 EXTENDED TANK

TITLE

ISSUE DATE: 06/2017

CAGE NO: N/A

DWG NO: 10000018189

REV: B

SCALE: 0.050

WT-KG: SEE ABOVE SHEET

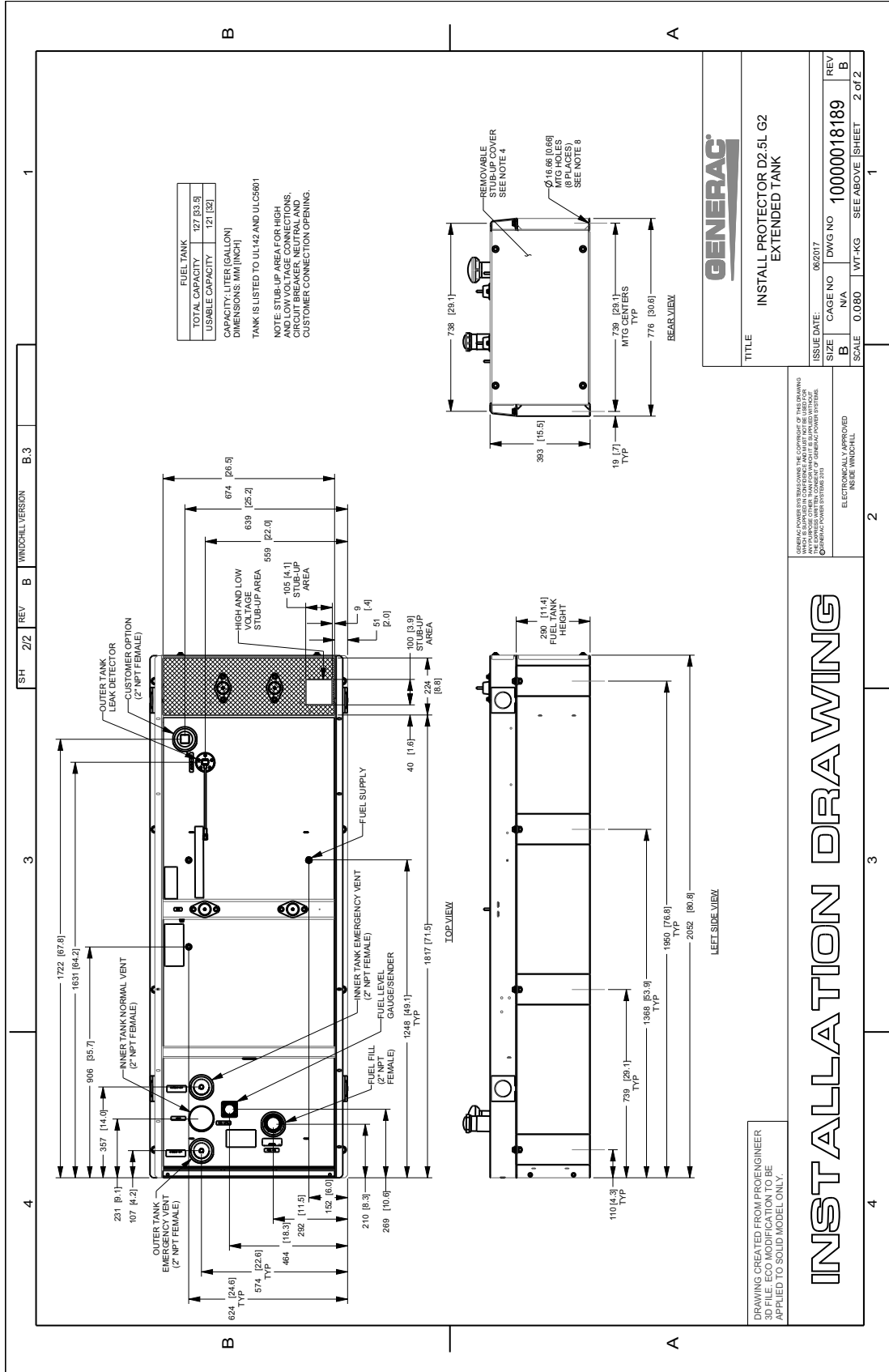
1 of 2

INSTALLATION DRAWING

DRAWING CREATED FROM PROENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

ELECTRONICALLY APPROVED
INSIDE WINDCHILL

D2.5L G2 Extended Tank (2 of 2)



15 • 20 kW

D2.5L G2 95 Gal Tank (1 of 2)

installation drawings

SH	12	REV	A	WINN-DILL VERSION	A-1
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1	2	3	4
---	---	---	---

SERVICE ITEM	25L	RIGHT SIDE	RIGHT SIDE
OIL FILL CAP	RIGHT SIDE	RIGHT SIDE	RIGHT SIDE
OIL DIP STICK	RIGHT SIDE	RIGHT SIDE	RIGHT SIDE
OIL FILLER	RIGHT SIDE	RIGHT SIDE	RIGHT SIDE
OIL FILLER HOSE	RIGHT SIDE	RIGHT SIDE	RIGHT SIDE
BAND RADIATOR HOSE	RIGHT SIDE	RIGHT SIDE	RIGHT SIDE
COOLANT RECOVERY BOTTLE	LEFT SIDE	LEFT SIDE	LEFT SIDE
RADIATOR FILL CAP ACCESS	ROCK		
AIR CLEANER ELEMENT	LEFT SIDE	LEFT SIDE	LEFT SIDE
MUFFLER	FRONT	FRONT	FRONT
FAN BELT	EITHER SIDE	EITHER SIDE	EITHER SIDE
BATTERY	LEFT SIDE	LEFT SIDE	LEFT SIDE

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS.

NOTES:

1. MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1092 (43.7") WIDE X 1887 (74.3") LONG. REFERENCE INSTALLATION GUIDE SUPPLIED WITH UNIT FOR CONCRETE PAD GUIDELINES.
2. THIS UNIT MUST BE INSTALLED IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL APPLICABLE NFPA 70 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE, AND LOCAL CODES.
3. SEE SPECIFICATION SHEET FOR ADDITIONAL INFORMATION. (SEE OWNER'S MANUAL)
4. ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF GENERATOR.
5. REMOVE THE REAR STUB-UP AND REAR ENCLOSURE COVER PANEL TO ACCESS:

 - HIGH VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES
 - NEUTRAL CONNECTION, AND BATTERY CHARGER 120 VOLT AC (0.5 AMP MAX) CONNECTION.
 - LOW VOLTAGE CONNECTION INCLUDING TRANSFER SWITCH CONTROL WIRES

6. CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
7. BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND AIR FLOW RESTRICTION.
8. REFERENCE OWNERS MANUAL FOR VENTING WARNERS COOLING AIR FLOW.
9. MOUNTING BOLTS OR STUDS TO MOUNTING SURFACE SHALL BE 5/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)
10. MOUNTING HOLE PATTERN FOR THE GENERATOR SET MUST BE AS SHOWN ON SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
11. GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM RADIATOR IS NOT RECIRCULATED.

TOP VIEW

LEFT SIDE VIEW

REAR VIEW

FRONT VIEW

RIGHT SIDE VIEW

GENERATOR ENCLOSURE

REAR ENCLOSURE COVER PANEL

GENERATOR ENCLOSURE

LIFTING PROVISION (4 PLACES)

GENERATOR ENCLOSURE

GENERATOR ENCLOSURE

GENERATOR ENCLOSURE

GENERATOR ENCLOSURE

GENERATOR ENCLOSURE

GENERATOR ENCLOSURE

GENERATOR ENCLOSURE

INSTALLATION DRAWING

GENERAC™

**INSTALL PROTECTOR D2.5L G2
95 GAL EXT TANK**

TITLE

ISSUE DATE: 06/2017

SIZE: B	CAGE NO: N/A	DWG NO: 1000028999	REV: A
SCALE: 0.050	WT-KG:	SEE ABOVE	SHEET: 1 of 2

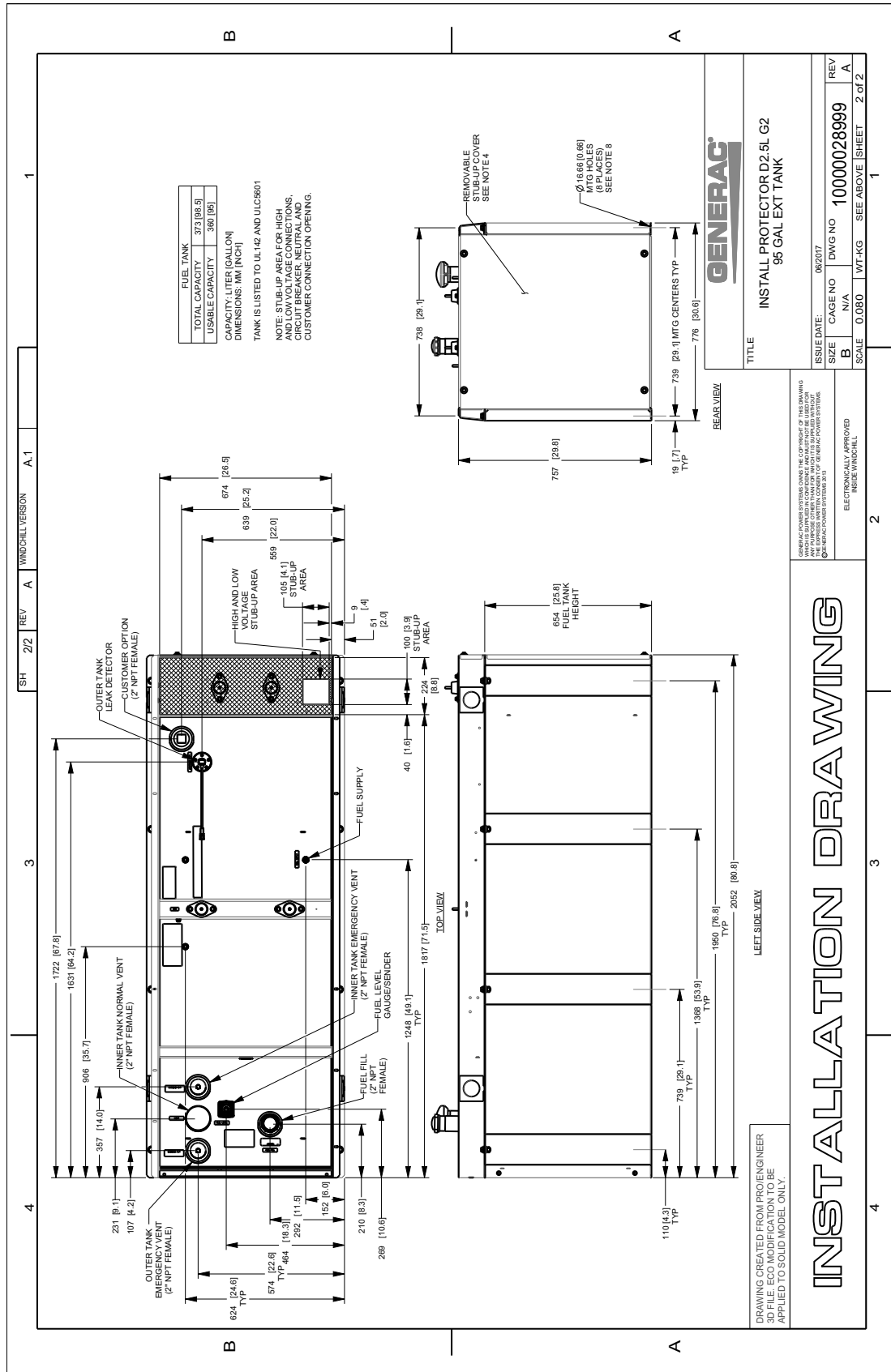
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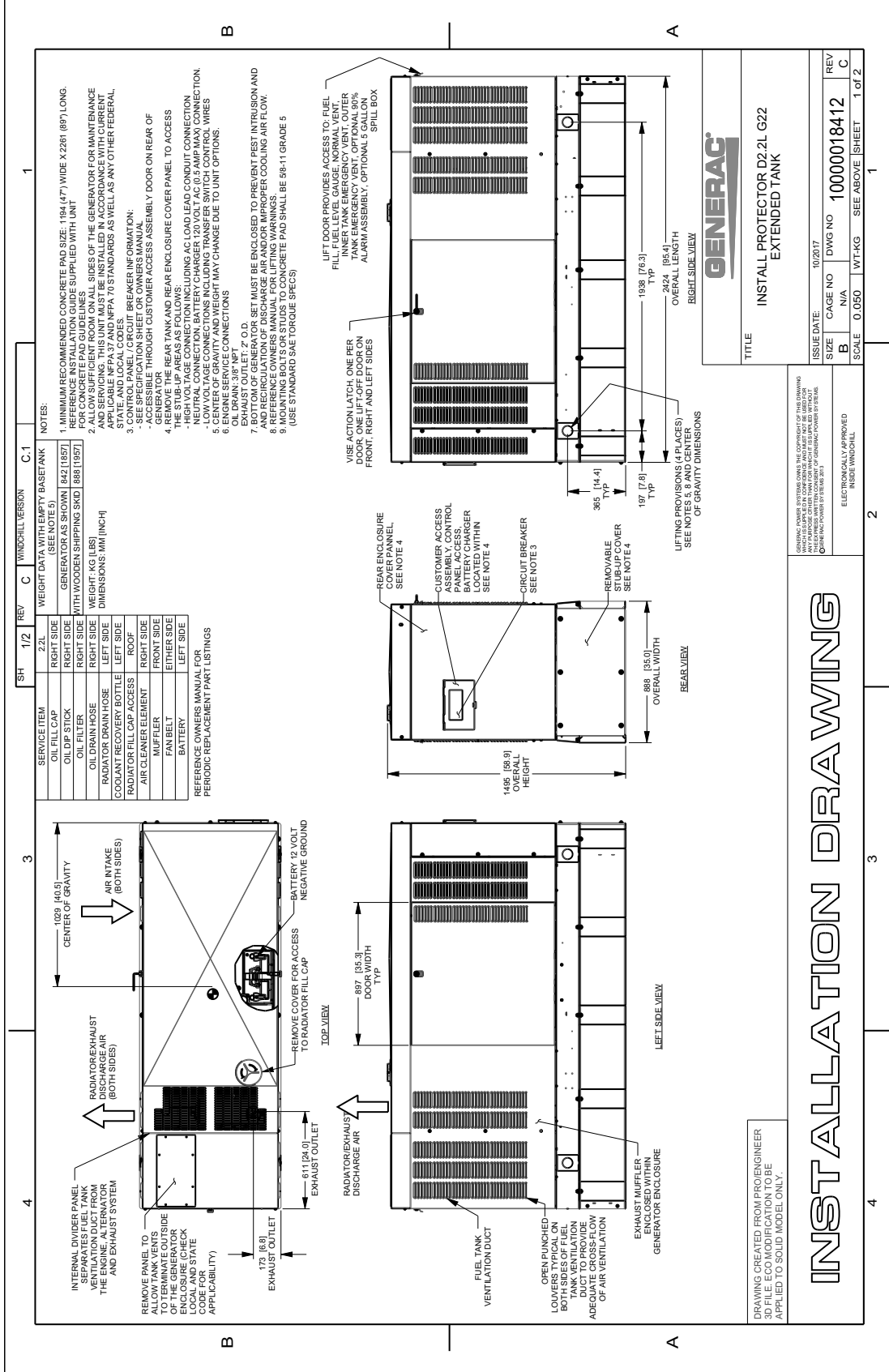
ELECTRONICALLY APPROVED
INSIDE WINDOW

DRAWING CREATED FROM PROENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

15 • 20 kW

D2.5L G2 95 Gal Tank (2 of 2)





INSTALLATION DRAWING

GENERAC®
INSTALL PROTECTOR D2.2L G22 EXTENDED TANK

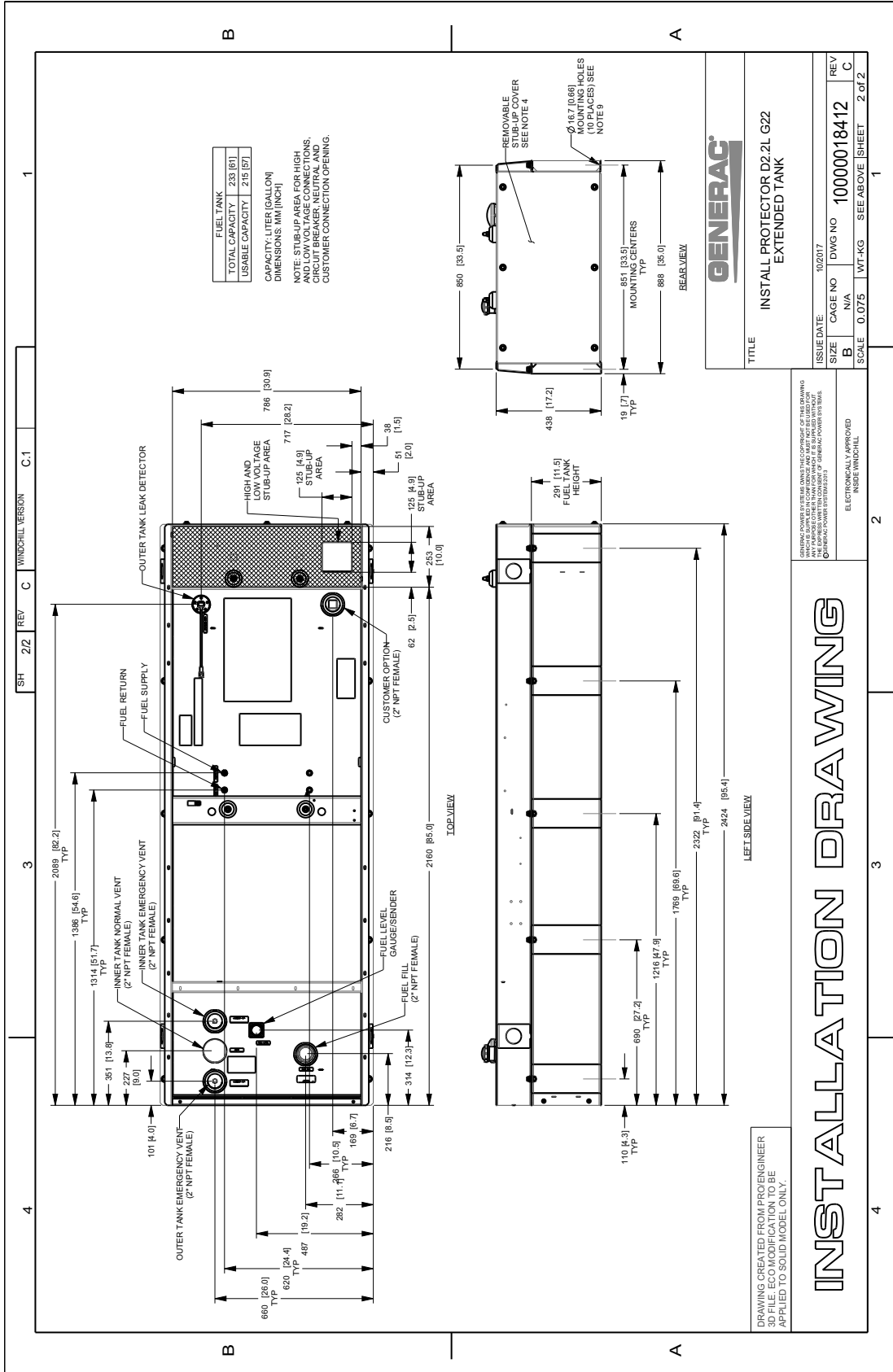
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		SHEET	1 of 2

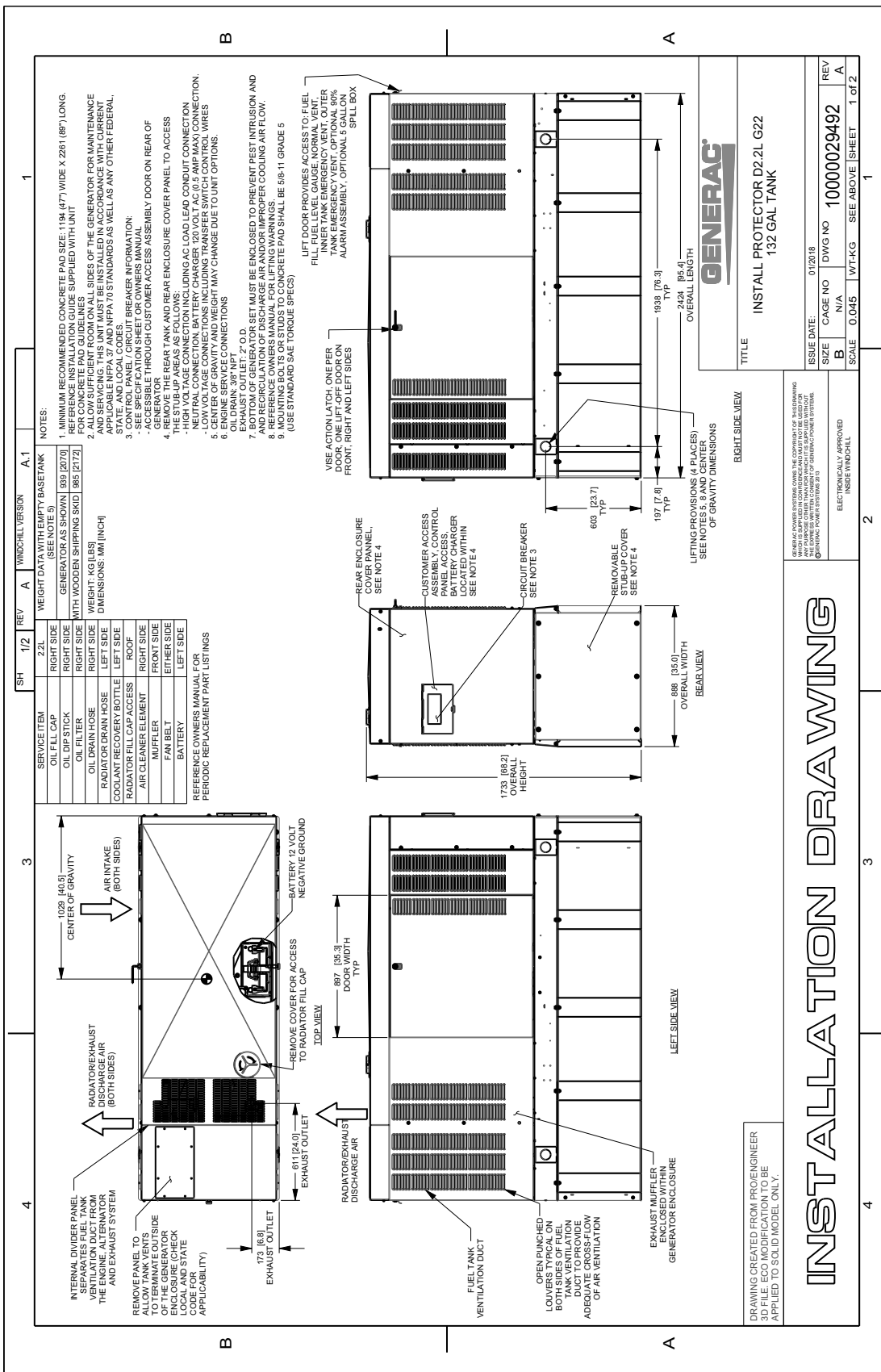
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 ELECTRONICALLY APPROVED
 INSIDE WINDOW

30 kW

D2.2L G22 Extended Tank (2 of 2)





INSTALLATION DRAWING

DRAWING CREATED FROM PROENGINEER FILE. NO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

SHEET	REV	DESCRIPTION
1	A	WINDCHILL VERSION

SERVICE ITEM	QTY	DESCRIPTION
OIL FILL CHECK	1	RIGHT SIDE
OIL FILL CHECK	1	LEFT SIDE
OIL DRAIN HOSE	1	RIGHT SIDE
OIL DRAIN HOSE	1	LEFT SIDE
COOLANT RECOVERY BOTTLE	1	RIGHT SIDE
COOLANT RECOVERY BOTTLE	1	LEFT SIDE
RADIATOR FILL CAP ACCESS	1	ROOF
AIR CLEANER ELEMENT	1	RIGHT SIDE
MUFFLER	1	FRONT SIDE
FAN BELT	1	ETHER SIDE
BATTERY	1	LEFT SIDE

NOTES:

- MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1194 (47.7) WIDE X 2261 (89.7) LONG. REFERENCE INSTALLATION GUIDE 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 APPLICABLE NFPA 37 AND NFPA 70 STANDARDS AS WELL AS ANY OTHER FEDERAL, STATE OR LOCAL CODES.
- CONTROL PANEL - CIRCUIT BREAKER INFORMATION
- SEE SPECIFICATION SHEET OR OWNERS MANUAL
- ACCESSIBLE THROUGH CUSTOMER ACCESS ASSEMBLY DOOR ON REAR OF UNIT
- REMOVE THE REAR TANK AND REAR ENCLOSURE COVER PANEL TO ACCESS THE STUB-UP AREAS AS FOLLOWS:
- HIGH VOLTAGE CONNECTION INCLUDING AC LOAD LEAD CONDUIT CONNECTION TO THE GENERATOR
- LOW VOLTAGE CONNECTIONS INCLUDING TRANSFER SWITCH CONTROL WIRES
- CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS.
- ENGINE SERVICE CONNECTIONS
- EXHAUST OUTLET, 2" O.D.
- BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND DISCHARGE AIR FROM GENERATOR AND ENGINE COOLING AIR FLOW.
- REFERENCE OWNERS MANUAL FOR FURTHER INFORMATION
- MOUNTING BOLTS OR STUDS TO CONCRETE PAD SHALL BE 9/8-11 GRADE 5 (USE STANDARD SAE TORQUE SPECS)

REV	DESCRIPTION
1	WINDCHILL VERSION

WEIGHT DATA WITH EMPTY GASE/TANK (SEE NOTE 1)

GENERATOR AS SHOWN 589 (207.0)
WITH WOODEN SHIPPING SKID 965 (217.2)
WEIGHT: KG (LBS)
DIMENSIONS: MM (INCH)

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS

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GENERAC POWER SYSTEMS 2013

ELECTRICALLY APPROVED
INSIDE W/INCH/LL

30 kW

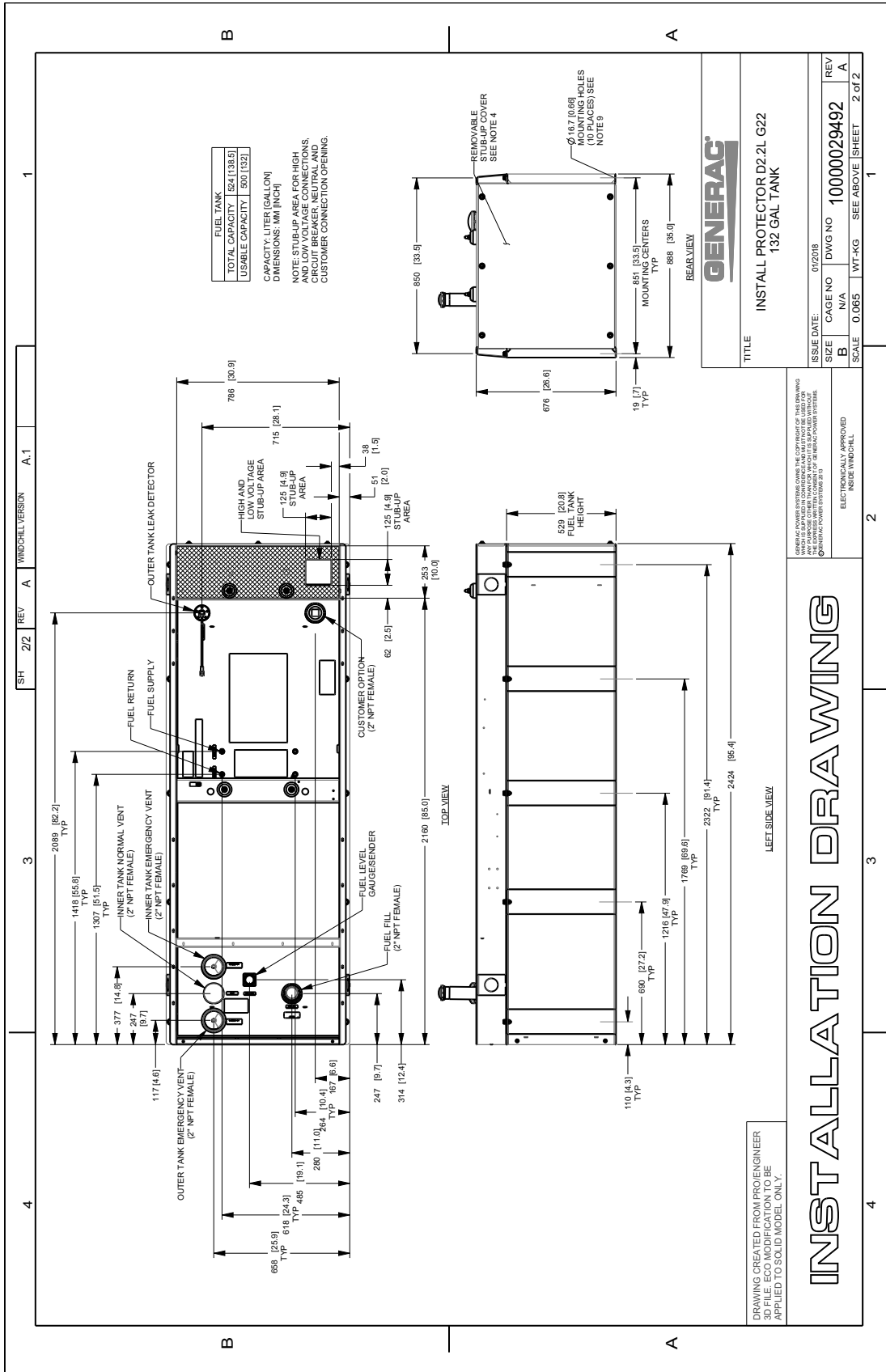
D2.2L G22 132 Gal Tank (2 of 2)

GENERAC

installation drawings

Protector™

13 of 14



15 • 20 • 30 kW

GENERAC

available accessories

Model #	Product	Description
G006463-4	Mobile Link™	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	Harness Adapter Kit	The Harness Adapter Kit is required to make liquid-cooled units compatible with Mobile Link™.
G006502-0	Spill Box	The 5-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 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 coat painted, 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 drop tube also 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	Stainless Steel Fuel Lines	Some municipalities require the use of stainless steel fuel lines instead of the standard hoses provided with the diesel generator products. These stainless steel 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 fuel that was captured in the 5-gallon spill box to be drained directly back 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	Maintenance Kits	The Protector Maintenance Kits offer all the hardware necessary to perform complete maintenance on Generac Protector generators.
G007650-0 - 15 & 20 kW G007651-0 30 kW	Cold Weather Kits	Recommended for generators installed in regions where the temperature regularly falls below 32 °F (0 °C). The 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	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.
G006664-0	Local Wireless Remote	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.
G006873-0	Smart Management Module (50 Amps)	Manage large loads by utilizing up to 8 individual Smart Management modules. These devices are installed directly in line with existing appliance wiring for easy installation.

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