



Picture shown may not reflect actual package

650 kW-800 kW WEATHER PROTECTIVE ENCLOSURES FOR C27 POWERED GENERATOR SETS

Griffin 60 Hz

These weather protective, factory installed enclosures include a choice of sound suppression mufflers, designed for safety and aesthetic value. The enclosure is mounted on either an integral fuel tank base or a wide fabricated steel base. Rugged construction provides weather protection and the ability to withstand exposure to the elements.

FEATURES

ROBUST/HIGHLY CORROSION RESISTANT CONSTRUCTION

- Environmentally friendly, polyester powder baked paint in yellow, white, beige, or ASA 61 gray
- Zinc plated or stainless steel fasteners
- 14 gauge steel construction
- Industrial grade internally mounted muffler/exhaust system

EXCELLENT ACCESS

- Control panel mounted on right side of package
- Large cable entry area for ease of installation
- Accommodates right side entry access to power cable lugs or circuit breaker
- Double doors on both sides
- Hinged doors allow 180° opening rotation
- Lube oil and coolant drains piped to exterior of enclosure and terminated drain valves
- Radiator fill cover

SECURITY AND SAFETY

- Lockable access doors with standard key utilization
- Cooling fan and battery charging alternator fully guarded
- Fuel fill, oil fill, and battery can only be reached via lockable access
- Stub-up cover for “rodent proofing”
- Externally mounted emergency stop button
- Designed for spreader-bar lifting to ensure safety
- Control panel viewing window

OPTIONS

- Industrial, Residential, or Critical grade internally mounted muffler/exhaust system
- Interior lighting system
- UL listed internal fuel tank in base
- UL listed sub-base fuel tank
- Dual breakers (60 Hz only) (second breaker mounted left hand side)

WEATHER PROTECTIVE ENCLOSURE OPERATING CHARACTERISTICS

Industrial Level System

60 Hz Weather Protective Enclosure			Ambient Capability*		Airflow Rate		Sound Pressure Levels dBA @ Full Load		
ekW	kVA	PP/SB	°C	°F	m³/s	cfm	1 m	7 m	15 m
800	1000	SB	54	129	16.2	34,326	99.9	90.0	84.0
750	938	SB	56	133	16.2	34,326	99.6	89.6	83.6
725	906	PP	52	126	16.2	34,326	99.5	89.4	83.4
700	875	SB	58	136	16.2	34,326	99.3	89.3	83.3
680	850	PP	53	127	16.2	34,326	99.3	89.2	83.2
650	813	SB	60	140	16.2	34,326	99.1	89.0	83.0
635	794	PP	55	131	16.2	34,326	99.0	88.9	82.9
591	739	PP	56	133	16.2	34,326	98.9	88.7	82.7

Residential Level System

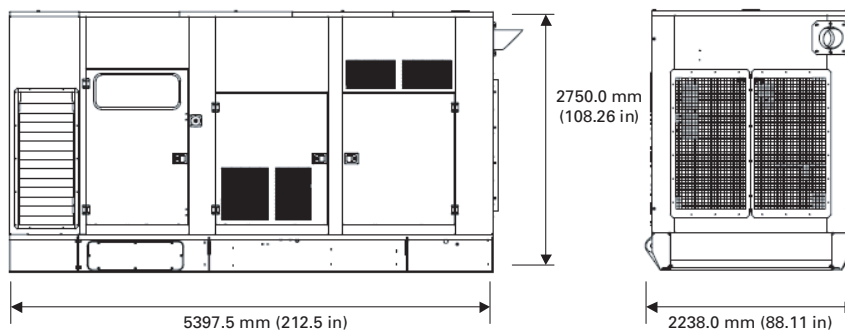
60 Hz Weather Protective Enclosure			Ambient Capability*		Airflow Rate		Sound Pressure Levels dBA @ Full Load		
ekW	kVA	PP/SB	°C	°F	m³/s	cfm	1 m	7 m	15 m
800	1000	SB	52	126	16	33,902	97.8	86.0	80.0
750	938	SB	54	129	16	33,902	97.6	85.8	79.8
725	906	PP	50	122	16	33,902	97.5	85.7	79.7
700	875	SB	56	133	16	33,902	97.4	85.6	79.6
680	850	PP	52	126	16	33,902	97.3	85.5	79.5
650	813	SB	58	136	16	33,902	97.2	85.4	79.4
635	794	PP	54	129	16	33,902	97.1	85.4	79.4
591	739	PP	55	131	16	33,902	96.9	85.2	79.2

Critical Level System

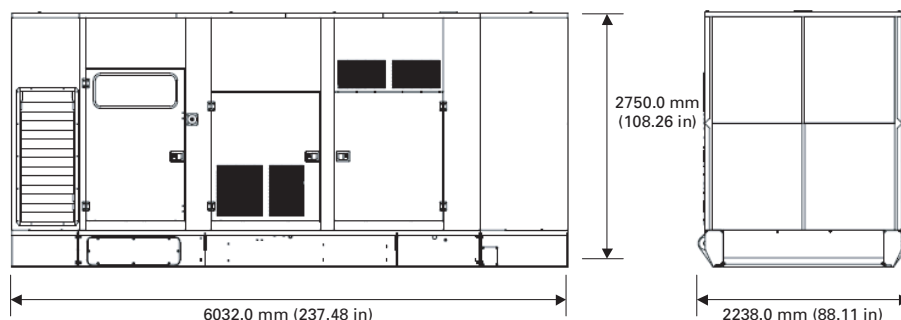
60 Hz Weather Protective Enclosure			Ambient Capability*		Airflow Rate		Sound Pressure Levels dBA @ Full Load		
ekW	kVA	PP/SB	°C	°F	m³/s	cfm	1 m	7 m	15 m
800	1000	SB	52	126	16.4	34,750	96.3	85.6	79.6
750	938	SB	54	129	16.4	34,750	96.0	85.6	79.6
725	906	PP	56	133	16.4	34,750	95.9	85.7	79.7
700	875	SB	58	136	16.4	34,750	95.8	85.7	79.7
680	850	PP	49	120	16.4	34,750	96.1	85.6	79.6
650	813	SB	51	124	16.4	34,750	96.0	85.7	79.7
635	794	PP	53	127	16.4	34,750	95.8	85.7	79.7
591	739	PP	55	131	16.4	34,750	95.6	85.7	79.7

*Ambient measured with Caterpillar Extended Life Coolant

(INDUSTRIAL ENCLOSURE)



(RESIDENTIAL AND CRITICAL ENCLOSURE)



Note: For reference only – do not use for installation design. Please contact your local dealer for exact weight and dimensions. (General Dimension Drawing #319-1702).

Muffler	WP Feature Code	WP Color
Industrial	ENCWP14	Yellow
	ENCWP15	White
	ENCWP16	Beige
	ENCWP17	Gray
Residential	ENCWP22	Yellow
	ENCWP23	White
	ENCWP24	Beige
	ENCWP25	Gray
Critical	ENCWP18	Yellow
	ENCWP19	White
	ENCWP20	Beige
	ENCWP21	Gray

Approximate weight of enclosed package: 7711 kg (17,000 lb) for Industrial, 8165 kg (18,000 lb) for Residential and Critical. Exact package weight is dependent on options. Enclosure weight includes: weather protective enclosure, exhaust/muffler system, extended base and generator set.

Optional UL listed dual wall fuel storage tanks are available from the factory. Tank options include integral fuel tank bases and sub-base fuel tanks that are available as factory installed or shipped loose.

INTEGRAL FUEL TANK BASES (DUAL WALL)

Fuel Capacity		Electrical Stub-up	Height		Length		Width		Total Pkg Ht	
Liters	Gallon		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
1325	350	Full	584	23	4220	166.1	1900	74.8	2936	115.6
1893	500	Full	686	27	4220	166.1	1900	74.8	3037	119.6
2498	660	Full	800	31.5	4220	166.1	1900	74.8	3151	124.1

Total Package Height includes fuel tank base and weather protective enclosure.

SUB-BASE FUEL TANKS (DUAL WALL)

Tank Capacity and Dimensions										Total Height (Enclosure and Tank)		
Fuel Capacity		Electrical Stub-up	Weight		Height		Length		Width		(mm)	(in)
Liters	Gallon		kg	lb	(mm)	(in)	(mm)	(in)	(mm)	(in)		
2271	600	Full	1202	2,650	584	23	4922	193.8	1900	74.8	3334	131.3
2498	660	Full	1213	2,675	584	23	4922	193.8	1900	74.8	3334	131.3
2650	700	Full	1236	2,725	584	23	4922	193.8	1900	74.8	3334	131.3
3028	800	Full	1281	2,825	584	23	4922	193.8	1900	74.8	3334	131.3
3785	1,000	Full	1554	3,425	914	36	4922	193.8	1900	74.8	3664	144.3
4732	1,250	Full	1610	3,550	914	36	4922	193.8	1900	74.8	3664	144.3
5678	1,500	RH/LH*	1826	4,025	914	36	4922	193.8	1900	74.8	3664	144.3
6624	1,750	RH/LH*	1848	4,075	914	36	5532	217.8	1900	74.8	3664	144.3
7571	2,000	RH/LH*	2039	4,475	914	36	6193	243.8	1900	74.8	3664	144.3

Heights listed above do NOT include lumber used for skidding during shipping.

*Tanks with full electrical stub-up area include removable end channel. Tanks with RH/LH stub-up include stub-up area directly below the circuit breaker or power terminal strips.

Note: Sub-based tanks may be ordered ship loose or installed from the factory. When ordered installed, the assembled package height (including 8-10 in. shipping skid) may exceed normal road restriction heights. Customer is responsible for arranging shipment and obtaining all permits for potentially oversized packages.

Information contained in this publication may be considered confidential.

Discretion is recommended when distributing.

Materials and specifications are subject to change without notice.

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