



Rolando Coll - EPG Sales
8205 N.W. 58 St. Miami, FL. 33166
P: 305.592.4944/ F: 305.477.1943

Date: 10-04-17

Reference: KW Resort Utilities (C27, 750kW)

Quote#: 30353431-01

Specification Name	Specification Section	Pages
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Drawings	Date
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General Scope of Supply

Qty	I/L	Description	Cost
1	L	<p>One (1) New Caterpillar Model C-27 Diesel Engine Generator set, UL 2200 Listed, rated @ 750kW Standby Power, 277/480VAC, 3 Phase, 60 Hz., 1800 rpm Diesel Engine Generator Set with the following accessories:</p> <ul style="list-style-type: none"> • EPA Stationary Emergency • Isochronous electronic governor • Air Inlet system <ul style="list-style-type: none"> - Air intake filter / silencer • Auto-start Control Panel EMCP 4.2– NFPA 110 <ul style="list-style-type: none"> – Speed adjust – Emergency stop push button – Voltage adjust – Local alarm annunciator – Panel illumination lights • Permanent Magnet Excited Generator System <ul style="list-style-type: none"> – Anti-condensation heater (space heater) thermostatically controlled – Class H insulation – Two – thirds pitch – Random wound – Generator terminal bus-bars (generator load cable terminations shall be made directly to bus-bars located on the inside of the generator housing). – One (1) 1200 amp, 3 pole, Thermal Magnetic Circuit Breaker with 24VDC shunt trip and auxiliary contacts. 	\$214,638.00

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- Starting System
 - Two (2) heavy duty nickel cadmium engine starting batteries
 - Battery cables
 - Battery disconnect switch
 - Battery Charger; 24VDC, 10 Amp output. 120 VAC, 1 Phase Input, Nema 1 enclosure, wall mountable
 - 45amp battery charging alternator
 - Jacket Water Heater
- Engine Cooling system
 - Radiator duct flange
 - Coolant drain line with manual valve terminated at edge of base
 - Fan and belt guards
 - Coolant level sight gauge
 - Caterpillar Extended life coolant
- Fuel system
 - Primary fuel filter with integral water separator
 - Secondary fuel filters
 - Fuel priming pump
 - Engine fuel transfer pump
 - Flexible fuel lines
 - Engine fuel transfer pump
 - Fuel cooler
- Exhaust System
 - Dry exhaust manifold
 - Flanged faced outlets
 - One (1) Critical Grade Silencer, Carbon Steel
 - One (1) Engine Exhaust Flex Connector
- Lube
 - Lubricating oil and filter
 - Oil drain line with valve
 - Fumes disposal
 - Gear type lube oil pump
- Mounting
 - Linear vibration isolators between base and engine-generator
 - Formed Steel Base

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1	L	<ul style="list-style-type: none"> • <u>Generator Set Subbase Tank</u> <ul style="list-style-type: none"> • One (1) 4400 gallon, UL listed 142, FDEP approved, subbase diesel fuel tank • Approximate Dimensions: 264”L x 102”W x 48”H • Capacity based on 72 hours @ 53.6gph (100% Load) <u>3,860 Usable Gallons.</u> • Interstitial Space with FDEP Approved Leak Detection Switch (Madison M-7000 EQ#682). • Mechanical Fuel Level Gauge (Visible at Fill Point). • Supply and Return Connections. • 2” Fill with Lockable Cap with FDEP Spill Containment. • Normal and Emergency Vent Fittings Installed Per UL-142. • Low Level Fuel Alarm Switch (Madison M-7000 EQ#682) Set @ 40% Remaining Capacity Wired to Control Panel Terminal Strip. • High Level Fuel Alarm Switch (Madison M-7000 EQ#682) Set @ 90% Tank Capacity Wired to Control Panel Terminal Strip. • Cable Stub Up Opening Under Circuit Breaker. 	Included
1	L	<ul style="list-style-type: none"> • <u>Generator Set Enclosure</u> <ul style="list-style-type: none"> • Approximate Dimensions: 21’ L x 8’-6” W x 9’ H (plus Base) • Enclosure Exterior to be of .090”,5052-H32 Aluminum, Formed, Panel Construction, Painted Finish (Standard Color White). • Air Intake: Sound Attenuated Intake Scoops with Punched Bird Screen. • Air Discharge: Sound Attenuated Discharge Hood with Gravity Dampers and Bird Screen. • 3” Sound Attenuating Fire Blanket in Walls, Doors, Hoods and Ceilings. Insulation Retained with .032” Perforated Aluminum Liner. Enclosure is Designed to Reduce Source SPL by 25 dB (A) @ 1M in a Free-Field Environment. • Four (4) Single, Access Doors with Padlocking Provisions and Corrosion Resistant Hardware. • Enclosure External Fasteners to be Stainless Steel. • Silencer Supports for Interior Mounted, Internally Insulated, Critical Grade Silencer. • Exhaust Discharge Elbow and Rain Cap. • Exhaust Flex Connectors, Exhaust Gaskets and Bolt Kits. • Rain Collar and Rain Shield at Exhaust Penetration in Roof. • Enclosure Suitable for 170 MPH Wind Loading (PE Certificates are Available at an Additional Charge) 	Included

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		<ul style="list-style-type: none"> Enclosure to Bear the Insignia of the Florida Department of Business and Professional Regulation to Document Compliance with the 2014 Florida Building Code. 	
1	L	<ul style="list-style-type: none"> <u>Automatic Transfer Switch</u> <p>One (1) 1200 amp, 3 pole, 3 phase, 277/480VAC, NEMA 1 Enclosure, Non Service Entrance Rated, Non Bypass Isolation, Open Transition Automatic Transfer Switch</p>	Included
1	L	<ul style="list-style-type: none"> <u>Additional items</u> <ul style="list-style-type: none"> One (1) Nema 3R remote break-glass station (shipped loose) One (1) remote 16 light annunciator panel (shipped loose) Spring type vibration isolators (to be placed between generator and tank) Two (2) O&M Manuals Factory load bank testing of the unit at 0.8pf report Two (2) Year Caterpillar Factory Warranty 	Included
1	L	<ul style="list-style-type: none"> <u>Start –up and Training</u> <ul style="list-style-type: none"> Start-Up of generator set by a factory trained technician (two (2) days of labor included during normal business hours of 8:00am to 5:00pm) Resistive load – bank test on-site after start-up of unit is completed four (4) hour test at 100% load using utilizing a resistive load bank. (during normal business hours of 8:00am to 5:00pm) One (1) day of instructional training on the generator set and transfer switch (during normal business hours of 8:00am to 5:00pm) 	Included

F.O.B. Miami (freight prepaid to jobsite).....\$214,638.00 (sales tax not included).

Adder:

1. OSHA Compliant Stairs and Walkways:

- (2) Set of OSHA Compliant Stairs with Railings and 48” Wide Walkway with Railings
- Railings to be Constructed of 1 ½” Schedule 40 Aluminum Tube
- Steps and Walkways Constructed of Extruded Aluminum
- Stainless Steel Leveling Pads
- Stairs Set to be Shipped Loose and Assembled on Site by Others.....**\$7,375.00 (sales tax not included)**

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2. Ship under Vacuum (Option):

- Tank sealed and shipped under vacuum per Florida Administrative Code Chapter 62-762 and NFPA30.
Tank Vacuum to be Verified and Documented per NFPA-30 Immediately upon receipt and placement at the job site.....\$600.00 (sales tax not included)

Exceptions / Notes:

- 1. Specification and one line electrical riser diagram were not available at the time of this quotation.
2. Quotation providing the listed items only.

Important: Quote does not include the following (unless otherwise specifically noted above in the General Scope of Supply):

- Fuel, Fuel Piping, Fuel Venting
Fuel Equipment Installation
Exhaust Equipment Installation
Exhaust Pipe & Insulation
Electrical Equip. Installation
Cables, Wires and Conduits
All Equipment Installation
Engineering & Design
Engineering Drawings
Installation Permitting & Fees
Foundation Concrete Pad
Equipment Unloading
Equipment Storing
Equipment Rental
Equipment Anchoring

TERMS: 90% payment due 30 days from date of invoice; Balance payment due prior to start up or 180 days after invoice, whichever occurs. Sales tax has not been included in this quotation. CONDITIONS: Terms of this sale are subject to credit approval @ Pantropic Power. Cancellations will not be accepted except on terms that will indemnify Pantropic Power against any loss. Cancellation charges will apply to orders cancelled after Pantropic's receipt of written release for production from Customer. Prices are valid for 30 days from quote date. The conditions of this quotation become a part of any order resulting herewith and any purchase order submitted in response to this quotation, modifying, altering, or adding to these conditions shall not be binding unless accepted by us in writing. There are no agreements, understandings, or stipulations relative to this quotation other than those expressed herein. Quotation is subject to Standard Pantropic Power Products, Inc. Standard Terms & Condition on reverse side.

Thank you for allowing us the opportunity to propose the above-described equipment.

PANTROPIC POWER PRODUCTS, INC.

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