



FEATURES & BENEFITS:

- SIMPLE CONTROLS FOR A NOVICE OPERATOR
- SPARE PARTS PROVIDED TO ENSURE OPERATION EVEN IN THE MOST REMOTE LOCATIONS
- SOUND ATTENUATED FOR QUIET OPERATION
- CLEAN DIESEL BURNING ENGINE (TIER III)
- BLACK START CAPABILITY WITH DUAL BATTERY SYSTEM
- SATELLITE PHONE FOR OPERATORS WHO NEED ASSISTANCE OR INFORMATION WHILE IN THE FIELD
- COST EFFECTIVE SOLUTION COMPARED AGAINST TRADITIONAL-LIKE EQUIPMENT ASSEMBLED IN THE FIELD

KEY MARKETS:

- US MILITARY
- MUNICIPALITIES / CITIES / COUNTIES
- FIRST RESPONDERS / FIRE RESCUE / HAZMAT
- RELIEF AGENCIES
- LARGE NATIONWIDE INSURANCE AGENCIES
- U.S. DEPARTMENT OF HOMELAND SECURITY/FEMA
- REMOTE INDUSTRIAL CONSTRUCTION AND PRODUCTION
- REMOTE MINING
- REMOTE HEALTHCARE DELIVERY
- INTERNATIONAL

GEN-SET RATINGS

Voltage (L-L)	Phase	PF	Hz	kW	kVA	AMPS	skVA@ 30% voltage dip	Model	Connection
120 / 208	3	0.8	60	60	75	200	150	361 PSL	12 Lead low WYE



STANDARD EQUIPMENT

POWER GENERATION

- Up to 60 kilowatts of external power
- Heavy duty off road diesel engine generator system
- Single wall 200 gallon UL approved fuel tank
- 44-80 hours of continuous running before re-fueling
- Can be ordered with any voltage configuration
- 6 amp battery charger
- Dual battery backup system with selector switch (12VDC)
- Cold weather glow plugs installed and wired
- Block heater and battery charger wired for easy connection to trailer
- 100% spill containment for oil and anti-freeze
- External drains for anti-freeze and engine oil with valves
- 1.5" of sound dampening insulation

ENVIRONMENTAL CONTROL

- 5 tons of air conditioning
- 2000 CFM of static pressure with minimum of 55° F
- Used in conjunction with emergency shelters or temporary tents
- 25kW of Electric Heat
- (1) Separate 16" round and 25' long duct connection is provided, no tools required

SATELLITE COMMUNICATION

- 3.2 hours of talk time
- 30 hours of standby time
- Water, shock and dust resistant for rugged environments
- Global SMS
- Handheld capabilities
- Magnetic flexible antenna

WATER PURIFICATION

- Purified water delivered at 3,600 gallons per day
- Optional Dual Water System (Fresh & Salt Water)
- 100 feet of suction hose supplied on storage reel system
- 25 feet of discharge hose supplied
- Suction pump and floating ballast included
- **Filtration Specs:**
 - Stage 1: Centrifugal separator 40 micron with automatic timed solenoid
 - Stage 2: 50 micron pleated filter and BB size filter housing
 - Stage 3: 10 micron Carbon block filter and BB size filter housing
 - Stage 4: 0.0001 micron Fresh/Brackish Filmtec Reverse Osmosis membranes
 - Stage 5: Ultra Violet sterilization lamp system

EMERGENCY AREA LIGHTING

EXTERIOR PERIMETER LIGHTING

- (4) Flush mounted Halogen light heads, (2) on each side of unit
- (1) Flush mounted Halogen light head on front
- (1) 35 watt, 12V super bright Xenon HID mounted on rear of unit

INTERIOR DC LIGHTS

- Engine compartment qty (2) LED strip-lite mounted and wired
- HVAC compartment qty (1) LED strip-lite mounted and wired
- Water compartment qty (2) LED strip-lite mounted and wired
- Control panel compartment qty (2) LED strip-lite mounted and wired
- Rear lower compartment qty (1) LED strip-lite mounted and wired

AIR COMPRESSOR

- Air compressor pressure 125 PSI
- 3 gallon tank, (air-approximate)
- 25 feet of discharge hose, with gauges and regulator
- Maximum pressure of 125 PSI
- (2) Air compressor quick connect fittings, (1) on each side of enclosure

TRAILER

- Heavy duty fenders
- Adjustable wheel jack
- Dual mounted Torflex axles
- Pintle or 2 5/16" ball coupler and electric brakes
- 12,000 lbs. rated GVWR
- Rear adjustable jack stands
- HVAC duct storage compartment

ENCLOSURE

- Latching doors include heavy duty hinges and compression T-handles and vertical lift side doors
- Each major utility system has its own engineered compartment
- Sound attenuated engine generator compartment
- (1) DOT approved fire extinguisher mounted
- Standard white with logo's, warning placards and operating instructions
- Storage compartment

GENERAL

Overall Length:	205"	Overall Dry Storage Space:	
Overall Width:	89.5"	Tool Box:	64" w X 12" h X 27" d
Overall Height:	102"		
Overall Weight (dry):	9,000-11,000 lbs. (depending on options)		
Enclosure:		Paint:	
Material:	Aluminum	Enclosure:	Primed & painted white
Wall Thickness:	0.09"	Trailer:	Primed & painted semi-gloss black

ENGINE

Fuel:	Diesel	Rated RPM:	1800
Type:	4 cycle	Max Power:	60kW
		Standby:	55kW
		Prime:	
Aspiration :	Turbocharged Water to Air	Voltage Output:	120/208VAC 60Hz
Silencer:	Critical Grade Muffler	Dual Battery w/Selector: (black start)	12 Volts
Liquid Capacity:		Electrical System:	
Total Engine Capacity:	2.96gal	Electrical volts to DC:	12
Engine Jacket Water Capacity:	0.70gal	Cold Cranking AMPs	750
System Coolant Capacity:	4.08gal		Under 0°F

HVAC SYSTEM

Type:	HFRC-22, 5 lbs.		
Evaporator Fan:	Reversed Curved Motorized Impeller		
Condenser Fan:	Reversed Curved Motorized Impeller		
Motor:	5Hp		
Cooling Performance:			
	CFM	2000 (delivered at outlet)	
	tons	5	
Heating Performance			
	CFM	2000 (delivered at outlet)	
	BTU	25 kW	
Air Duct: (qty 1)	16" diameter x 25' length (PVC-Coated Polyester)		

WATER PURIFICATION SYSTEM

Frame mounted Reverse Osmosis System:	Stages:
Output:	3,600 GPD
	(dependent on water quality of supply source)
Head Pressure Rating	
Centrifugal Pump	60 PSI
High Pressure Pump	150 PSI
Water Lift Rating	
Vertical Lift	25'
General:	
<ul style="list-style-type: none"> NSF certified pumps & water stream components Stainless Steel self priming pump (NSF) Low pressure alarm & shutdown (with timed restart) High pressure alarm & shutdown 	<ul style="list-style-type: none"> 1st Stage: Centrifugal separator with automatic timed purge (won't interrupt production of Permeate flow). 2nd Stage: 50 micron. Pleated filter and BB size filter housing. 3rd Stage: 10 micron Carbon block filter and BB size filter housing. 4th Stage: Fresh / Brackish Filmtec Extra low energy reverse osmosis membranes. 5th Stage: UV sterilization lamp with fail-safe operationa indicator safe lens. Automatic tank filling and shutdown Full set of pressure gauges and flow meters Dual accumulator tanks (one for priming & one for flushing of system after use) One button system start and stop feature

SATELLITE COMMUNICATION SYSTEM

Handset:	Operating Range:	14 - 130 ° F	
Length:	6"	Bandwidth:	9 Kbps
Width:	2.5"		
Depth:	2.3"		
Weight:	13.2 oz.		
General:	<ul style="list-style-type: none"> 3.2 hours of talk time 30 hours of standby time Water, shock & dust resistant for rugged environments Global SMS Headset / Hands-free capability Data capable (use your satellite phone to transmit & receive data with optional adapter) Simple GSM style dialing 		

TRAILER

Deck Size:	148" X 69.5" (approximate)
Deck Height:	31" (approximate)
Tank Size:	200 gal.
Hitch Height:	28" +/- 6"
Load Carrying Capacity (less fuel):	10,197 lbs.
General:	<ul style="list-style-type: none"> Tandem 6,000 lbs. axle Adjustable pintle ring hitch 10,000 lbs. drop leg jack DOT wiring enclosed in ½" steel conduit Standard 7 pin trailer plug

FUEL SYSTEM

Integral Single Wall Fuel Tank:	200 gal.
Fuel Type:	Diesel
Fuel Consumption:	
	Full Load 5.0 GPH approx. 40 hours
	50% Load 2.5 GPH approx. 80 hours
Integral Double Wall Fuel Tank (optional)	200 gal.

CONTROL PANEL

Digital Display:	Alarm Indicators:
<ul style="list-style-type: none"> AC Voltage Amperage Frequency and Kilowatt Output Oil pressure, coolant and water temperature Fuel DC Voltage 	<ul style="list-style-type: none"> Unit not in Auto Low fuel level Low water level Low water temperature EPS Supply Load Pre-Alarm Temperature Pre-Alarm Oil Battery Charger Malfunton
General:	<ul style="list-style-type: none"> On/off push buttons...qty (10) Selector switch...qty (1) Warning lights...qty (3)
<ul style="list-style-type: none"> Emergency buttons...qty. (2) Alarm silencing push button...qty. (1) Color coded control panel...qty (1) 	

AIR COMPRESSOR

Motor:	1 hp
Tank:	3 gal
Pressure	125 PSI
	SCFM 2.4 @ 90 PSI
	SCFM 3.7 @ 40 PSI

FIRE EXTINGUISHER

Rated Temperature Range:	-40° to 120° F
Weight	8 lbs 10 oz
General:	<ul style="list-style-type: none"> Meets DOT Requirements Tested at 585 PSI

OPTIONS & ACCESSORIES

POWER GENERATION:

- Double Wall UL Listed Fuel Tank

HVAC:

- 18kW, 30kW - (25kW is Standard)

WATER SYSTEM:

- Dual Water System (Fresh & Salt Water)
- 7000 GPD Water System
- 500 Gallon Water Storage Bladder (shipped loose)
- Hot Water Heater Kit

SATELLITE COMMUNICATIONS:

- 30' Iridium External Antenna Cable
- Fixed Voice and Data Docking Station
- Iridium Data Kits Global Satellite Internet
- Solar Panel Charger

PERIMETER LIGHTING:

- Telescoping Exterior Lights



21810 Clessie Court | New Hudson, MI 48165

Phone: 248-573-1971 | Fax: 248-573-4015

For more information and the most current specifications, visit

www.sentry5000.com