



### 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 JOHN DEERE 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

- Dual battery backup system with selector switch (12VDC)
- Up to 60 kilowatts of external power
- Heavy duty off road John Deere diesel engine generator system
- 42-80 hours of continuous running before re-fueling
- Can be ordered with any voltage configuration
- 6 amp battery charger
- 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
- Single wall 200 gallon UL approved fuel tank
- 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
- 15-30kW of Electric Heat as optional added
- (2) Separate 16" round and 25' long duct connections are 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
- 100 feet of suction hose supplied on manual storage reel system
- 15 feet of discharge hose supplied
- Suction pump and floating ballast included
- Optional Dual Water System (Fresh & Salt Water)
- Filtration Specs:
  - Stage 1: Centrifugal separator 40 micron with automatic timed solenoid
  - Stage 2: 5 micron pleated filter and BB size filter housing
  - Stage 3: 1 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

Manufacturer	John Deere	Rated RPM:	1800
Model:	5030HF285	Max Power:	
Type:	4-Cycle	Standby:	60kW
Aspiration:	Turbocharged water to air	Prime:	55kW
Cylinder Arrangement:	5-Inline	Net Electrical Output:	120/208 VAC
Exhaust System:	Critical Grade Muffler		60 Hz
		Standard Output Voltage:	
		Dual Battery w/ Selector (black start)	
			12 Volts
Liquid Capacity:		Electrical System:	
Total Oil System:	2.96 gal.	Electric volts DC:	12
Engine Jacket Water Capacity:	0.78 gal.	Cold cranking Amps under 0°F	750
System Coolant Capacity:	4.08 gal.		

## HVAC SYSTEM

Type:	HFC R-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 (OPTIONAL)			
	CFM	2000 (delivered at outlet)	
	(OPTIONAL ADD-ON) BTU	we can provide 15-30 kW of electric heat	
Air Duct: (qty 2)	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)	<ul style="list-style-type: none"> <li>1<sup>st</sup> Stage: Centrifugal separator with automatic timed purge (won't interrupt production of Permeate flow).</li> <li>2<sup>nd</sup> Stage: 5 micron. Pleated filter and BB size filter housing.</li> <li>3<sup>rd</sup> Stage: 1 micron Carbon block filter and BB size filter housing.</li> <li>4<sup>th</sup> Stage: Fresh / Brackish Filmtec Extra low energy reverse osmosis membranes.</li> <li>5<sup>th</sup> Stage: UV sterilization lamp with fail-safe operationa indicator safe lens.</li> </ul>
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"> <li>NSF certified pumps &amp; water stream components</li> <li>Stainless Steel self priming pump (NSF)</li> <li>Low pressure alarm &amp; shutdown (with timed restart)</li> <li>High pressure alarm &amp; shutdown</li> </ul>	<ul style="list-style-type: none"> <li>Automatic tank filling and shutdown</li> <li>Full set of pressure gauges and flow meters</li> <li>Dual accumulator tanks (one for priming &amp; one for flushing of system after use)</li> <li>One button system start and stop feature</li> </ul>

## 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"> <li>3.2 hours of talk time</li> <li>30 hours of standby time</li> <li>Water, shock &amp; dust resistant for rugged environments</li> <li>Global SMS</li> <li>Headset / Hands-free capability</li> <li>Data capable (use your satellite phone to transmit &amp; receive data with optional adapter)</li> <li>Simple GSM style dialing</li> </ul>		

## 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"> <li>Tandem 6,000 lbs. axle</li> <li>Adjustable pintle ring hitch</li> <li>10,000 lbs. drop leg jack</li> <li>DOT wiring enclosed in ½" steel conduit</li> <li>Standard 7 pin trailer plug</li> </ul>

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

## 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"> <li>Meets DOT Requirements</li> <li>Tested at 585 PSI</li> </ul>

# OPTIONS & ACCESSORIES

## POWER GENERATION:

- Double Wall UL Listed Fuel Tank
- 6, 15, 25, 37.5 kW - Electric Heat Kits for HVAC System

## WATER SYSTEM:

- Dual Water System (Fresh & Salt Water)
- 7000 GPD Water System
- 500 Gallon Water Storage Bladder (shipped loose)
- Motorized Rewind Hose Storage Reel

## 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



For more information and the most current specifications, visit  
[www.titansentry.com](http://www.titansentry.com)