



### U.S. PATENT No. 6,178,101 / 7,952,840

# PORTABLE POWER SYSTEM

# PS-95-448-2

60Hz

The PS-95 medevac portable power system is a self-contained, easily transportable unit used to convert aircraft power into a 3-station, 60Hz power bus to operate electrical equipment and medical evacuation stations aboard military and commercial aircraft. Each of the three stations is equipped with a NEMA 15-5R spark elimination receptacle and independent circuit breaker.

#### **INPUT**

115/200 VRMS ±10% VOLTAGE RANGE CONFIGURATION 3Ø, Wye, GROUNDED NEUTRAL FREQUENCY RANGE 30 to 800 Hz POWER FACTOR  $\geq 0.99$ INPUT CURRENT DISTORTION ≤ 5% AT NOMINAL INPUT VOLTAGE (≤ 10% ABOVE 600 Hz) AND FULL RATED LOAD CIRCUIT BREAKER, OVER/UNDER **PROTECTION** VOLTAGE, LOSS OF PHASE, **OVERCURRENT** 

#### OUTPUT

Power 3.5 kVA Continuous VOLTAGE 115 VRMS ±1.0% **FREQUENCY** 60 Hz ±1.0% CONFIGURATION SINGLE PHASE POWER FACTOR RANGE 0.75 LAGGING TO 0.75 LEADING 2% THD MAXIMUM DISTORTION 89% TYPICAL AT FULL LOAD **EFFICIENCY** 125% FOR 5 MINUTES OVERLOAD 175% FOR 10 SECONDS OVER/UNDER VOLTAGE, OVERLOAD. PROTECTION SHORT CIRCUIT, DUPLEX RECEPTACLES

#### **OPTIONS**

DETACHABLE 25', TYPE SO, FLEXIBLE INPUT CABLE WITH MS CONNECTOR CONNECT TO AIRCRAFT INTERFACE RECEPTACLE MS3102A18-10S MOBILE KIT (WHEELS) - FACTORY INSTALLED DUAL UNIT DOLLY CART

INDIVIDUALLY CIRCUIT BREAKER PROTECTED

## **FEATURES**

ONE PERSON CARRY-ON SYSTEM (MIL-STD-1472F)
LOW INPUT CURRENT DISTORTION
HIGH INPUT POWER FACTOR
LED DISPLAYS FOR CURRENT MONITORING
STOPLITE BITE™ SELF-DIAGNOSTIC SYSTEM
SMALL SIZE AND LIGHT WEIGHT

#### **MECHANICAL**

HANDLING / SECURING DUAL-HANDLE GRIPS (WHEELS OPTIONAL)

CONNECTIONS

J1 INPUT: MS3102R18-11P

OUTPUT: THREE HOSPITAL-GRADE

SPARK ELIMINATION, NON-LOCKING,

15A, 2-POLE, 3-WIRE DUPLEX

RECEPTACLES (NEMA 5-15R)

CONTROL: D38999 / 20WD35SN

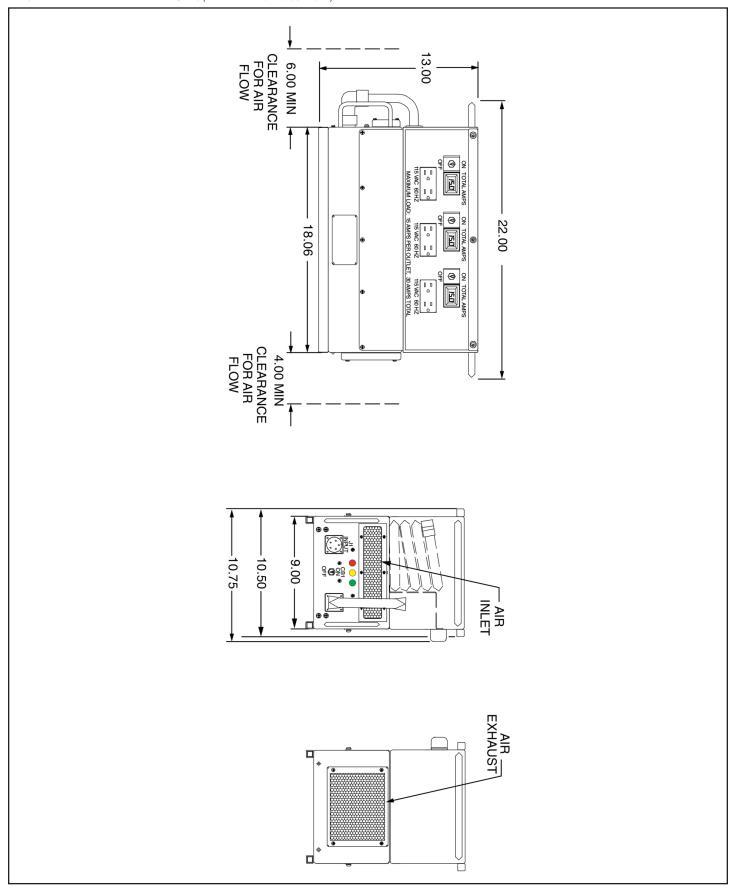
COOLING SELF-CONTAINED FAN
(SLOW SPEED FOR LOW AMBIENT NOISE)

#### **ENVIRONMENTAL**

|                      | MIL-STD-810 |
|----------------------|-------------|
| TEMPERATURE          | <b>✓</b>    |
| ALTITUDE             | <b>✓</b>    |
| EXPLOSIVE ATMOSPHERE | <b>✓</b>    |
| SHOCK                | <b>✓</b>    |
| VIBRATION            | <b>✓</b>    |
| HUMIDITY             | <b>✓</b>    |

|     | MIL-STD-461 |
|-----|-------------|
| EMI | ✓           |

48 LBS (Dependent on Options Selected)



Specifications Subject to Change Without Notice

Rev O