Unitron POWER SYSTEMS

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

PORTABLE POWER SYSTEM
PS-95-448-2
60 Hz

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

Voltage Range	115/200 VRMS ±10%
Configuration	3Ø, Wye, Grounded Neutral
Frequency Range	30 to 800 Hz
Power Factor	≥ 0.99
Input Current Distortion (≤ 10% Above 600 Hz)	≤ 5% at Nominal Input Voltage and Full Rated Load
Protection	Circuit Breaker, Over/Under 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
Distortion	2% THD Maximum
Efficiency	89% Typical at Full Load
Overload	125% for 5 Minutes 175% for 10 Seconds
Protection	Over/Under Voltage, Overload, Short Circuit, Duplex Receptacles Individually Circuit Breaker Protected

OPTIONS

Detachable 25', Type SO, Flexible Input Cable with MS Connector
Connect to Aircraft Interface Receptacle MS3102A18-10S
Mobile Kit (Wheels) - Factory Installed

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

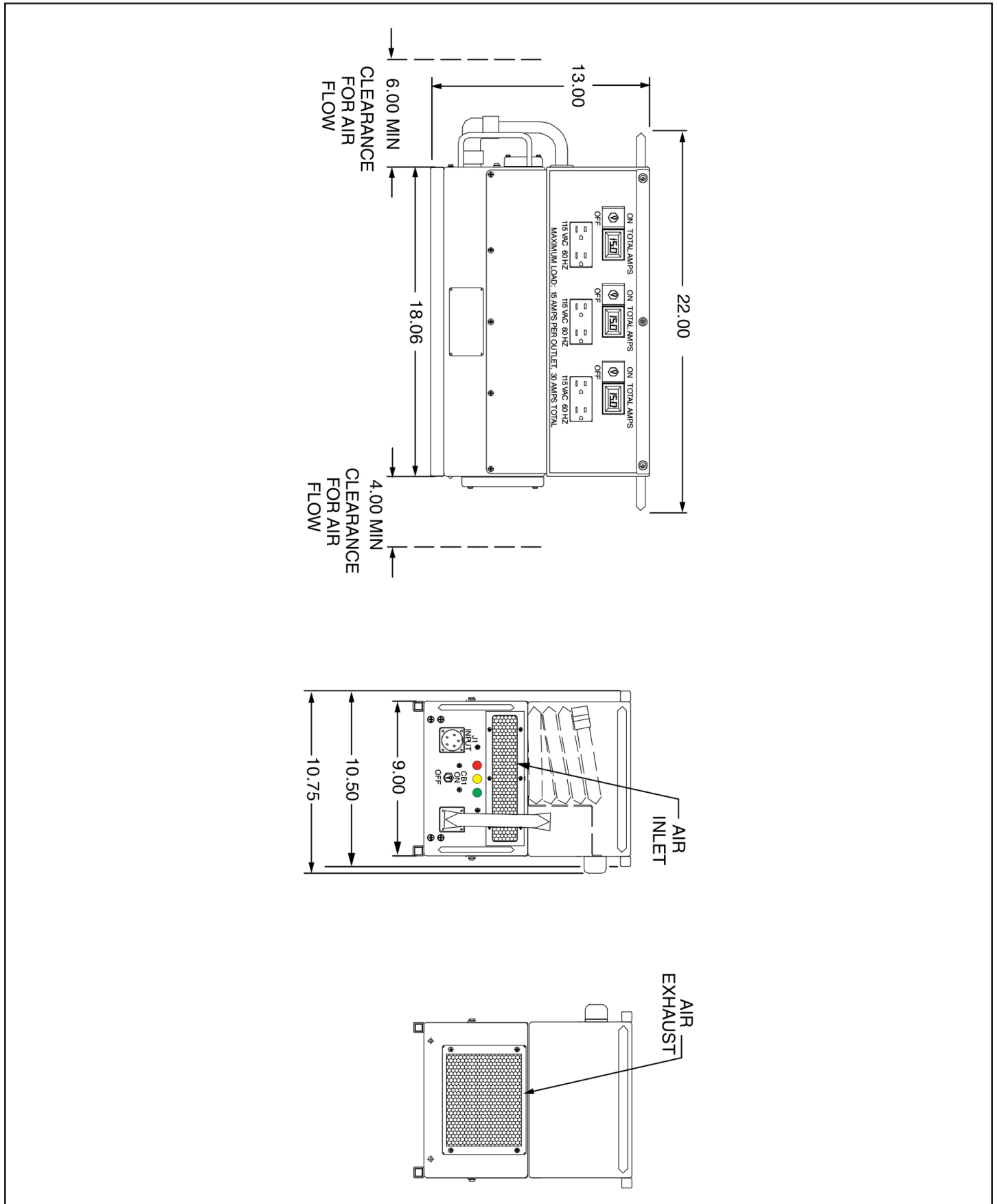|	
Handling / Securing	Dual-Handle Grips (Wheels Optional)
Connections	J1 Input: MS3102R18-11P Output: Three Hospital-Grade Spark Elimination, Non-Locking, 15A, 2-Pole, 3-Wire Duplex Receptacles (NEMA 5-15R) Control: D38999 / 20WD35SN
Cooling	Self-Contained Fan (Slow Speed for Low Ambient Noise)

ENVIRONMENTAL

	MIL-STD-810
Temperature	✓
Altitude	✓
Explosive Atmosphere	✓
Shock	✓
Vibration	✓
Humidity	✓

	MIL-STD-461
EMI	✓

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