

# DRASH®

THE WARFIGHTER'S CHOICE



## SUPPORT EQUIPMENT

- MODULAR
- RAPIDLY DEPLOYABLE
- MOBILE
- RUGGED
- RELIABLE
- VERSATILE



# SUPPORT EQUIPMENT

Deployable Rapid Assembly Shelter (DRASH) Support Equipment are shelter components that can be used to enhance your existing DRASH Shelter System.

DHS Systems offers a ducted, fuel-fired, forced air heater (**D-1000B Heater**) that represents the most advanced technology in portable heating systems. The **Power Distribution Unit (PDU)** is a safe, weather-proof and man-portable method to distribute power to branch circuits, utility extension cords, and lighting fixtures in shelters, vehicles and vehicle configurations requiring electrical power. The **DRASHLITE** is a rugged strip light that can be hung in strategic locations inside the shelter. **DRASH Boots** are custom designed and manufactured to create a light-tight, weather-tight connection between a vehicle and any DRASH shelter.

All DRASH Support Equipment is guaranteed to maintain the highest standards of workmanship in the industry.

## D-1000B HEATER

The D-1000B Heater is rugged, lightweight, rust resistant, shock proof and easy to operate and maintain, providing nearly 112,000 BTUs/hr of dry, clean heat at a rate of 1,020 CFMs. The heater includes an electronic control system that monitors for high heat conditions and flameout, and operates on an external input of 120 VAC, 60 Hz, single-phase power. It includes full safety protection devices, including a safety shut off switch that shuts off upon detecting 100 ppm of Carbon Monoxide content. Its pre-heated fuel filter allows the heater to work continuously in extreme low temperatures, and it can run for 12 consecutive hours without refilling the fuel tank.

## POWER DISTRIBUTION UNIT

The DRASH Power Distribution Unit (PDU) has a rugged design and molded rubberized body to allow for high levels of durability in case of rough handling. Its weather resistant enclosure allows for operation in any environment, whether it is rain, snow or blown sand. It includes power indicator lights for at-a-glance status viewing and is operational in extreme temperatures ranging from -40°F to +131°F.

## DRASHLITE

The DRASHLITE is a rugged, rust resistant, rain tight strip light for use inside DRASH Shelters. The exterior is made of a green waterproof aluminum housing with molded hard plastic end caps. Interior components consist of an aluminum reflector, two super slim electronic ballasts and two 55 W twin "U" lightbulbs. The DRASHLITE is equipped with a three-position waterproof toggle switch that allows for single or double bulb operation, and features a carry handle, a 43" power cord that is coiled to prevent unwanted slack, an adjustable hanging strap and a cushioned carrying bag. The DRASHLITE is available for 120V 60Hz, 220V 60Hz, and 220V 50Hz configurations.

## DRASH BOOTS

DRASH Boots offer light-tight, weather-tight fabric connections between a vehicle and a DRASH shelter that ensure convenient and tactically safe movement from inside a vehicle to inside a shelter, providing a more effective work or command area than inside a vehicle. There are two basic boot designs: a Door Boot and a T Boot. The Door Boot attaches to a doorway on either an S or an XB shelter. The T Boot attaches to the Truncated or T Variant of either an S or XB shelter. As most DRASH Boots are custom made to fit the customer's specifications, it is advisable to contact a DRASH business development representative first before ordering your boot.

# DRASH D-1000B HEATER

NSNs: 8340-01-467-9165



## FEATURES:

- Compact and Mobile, Indirect fuel fired air heater
- CSA B140.0-03 & B140.8-1967 Certified, UL 733 Compliant
- Heated Air is separated and independent from combusted air
- Adjustable fresh air make-up inlet window constantly delivers fresh air with oxygen to the tent
- Pre-heated fuel filter allows heater to work at extreme low temperatures
- Estimated efficiency: Approximately 87 percent
- Stainless steel combustion chamber
- Rugged, two piece molded polyethylene outer body (lower and upper)
- Control Panel designed to operate in environmental extremes
- Operates up to 12 hours continuously without fuel refill
- Accurate solid-state remote thermostat control
- Remote CO (Carbon Monoxide) detector and automatic shut off
- Can operate remote control (Thermostat & CO sensor combo unit) inside of tent, extra comfort and safety built-in features throughout system
- 12 in x 15 ft flexible duct sections (supply and return)
  - High temperature grade
- Visual fuel gauge
- Fabric duct end covers
- Heaters are stackable for maximum storage efficiency
- Designed for simple field maneuverability (wheel-able and equipped with snow slide)
- Designed with handles for easy four man lift
- Can operate at temperatures as low as -40°F\*

*\*Independently tested at the US Army Facility at Picatinny Arsenal, NJ.  
Note: Arctic Fuel Blend required for temperatures below fuel gel point.*

## SPECIFICATIONS:

Combustion: Indirect heat exchanger  
Heat Input Capacity: 112,000 BTUs/hr  
Air Flow: 1,020 cfm  
Fuel Consumption: 0.8 gal/hr  
Nozzle: 0.55 - 80°W  
Pump Pressure: 196 psi  
Fuel Tank Capacity: 10.8 gal  
Power Supply: Single Phase, 120VAC @ 5.8 Amps, 60 Hz  
Power Consumption: 440W  
Fuse: 20A  
Flue Diameter: 5.9 in.  
Noise Level at 3 Ft: 74 dBA  
Weight (Total dry weight without accessories): 167 lbs.  
Weight (Ducts): 27 lbs. each  
Dimensions: 53.2 L x 23.8 W x 32.3 H in  
Dimensions (Ducts): 12" Diameter; 15' Long  
Fuel Types: JP8, Diesel

## SAFETY PROTECTION:

**Thermostatic Safety Switch (TSS):** When the heater is turned off, the TSS assures that the fan continues to run until the surface temperature of the combustion chamber drops, assuring a safe restart

**Fan Pressure Switch:** When the fan stops working, this device disables ignition and cuts fuel supply

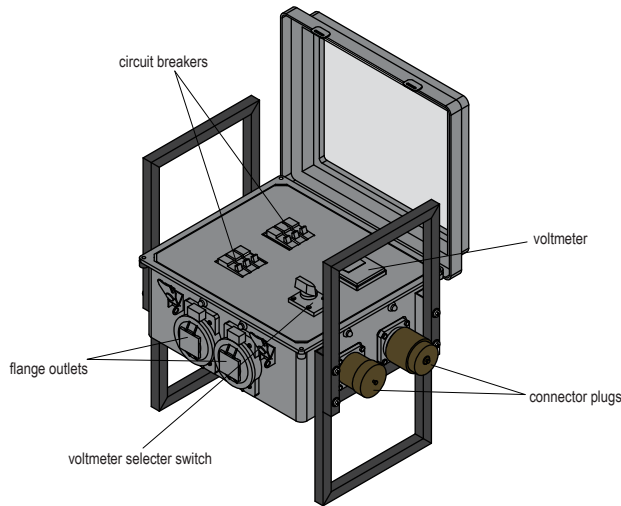
**Safety CO Switch:** Upon detecting 100 ppm of CO, the fuel supply and ignition are disabled

**Flame Detector Sensor:** When flame is extinguished, the fuel pump is deactivated and heater is shut off

**Overheat Safety Thermostat:** When the heated air exceeds 250°F, the fuel supply and ignition are disabled

# POWER DISTRIBUTION UNIT (PDU)

NSNs Available Depending on Model



## FEATURES:

- Safe, weatherproof, man-portable method to distribute power to branch circuits, utility extension cords and lighting fixtures in shelters, vehicles and vehicle configurations requiring electrical power.
- Lightweight: Most models weigh only 30 lbs./13.6 kg.
- Two-piece hot molded body is corrosion resistant and shockproof.
- Two-handled design allows for stacking of multiple units.
- Available in nine different versions, which include items compatible with multiple power sources.
- Power distribution cables with Mil-Spec connectors available in 50 and 100 ft lengths.
- Comes in multiple sizes and configurations.

## BODY CONSTRUCTION:

- Hot, molded body with clear polycarbonate gasket lid.
- Dielectric rigidity is greater than 5kV.
- Includes external handles and hinges.
- Dimensions for most models are 14" x 12" x 8" including cover.

## ELECTRICAL CHARACTERISTICS:

- Branch circuit breaker protection for 20 amp, 220 V circuits available.
- GFI protection
- Pilot light indicates if power is on or off.
- AC voltmeter and voltmeter selector switch for all three phases.

## U.S. Standard Power PDU

NSN: 8340-01-491-3057

- Six (6) 120 volt straight blade flange outlets
- Five (5) 20 amp, GFI single pole circuit breakers
- One (1) 30 amp, GFI single pole circuit breaker
- One (1) 0-150V voltmeter
- One (1) phase to neutral voltmeter selector switch
- One (1) 120/208V male inlet shore power connector plug
- One (1) 120/208V female outlet shore power connector plug

## U.S. Standard Power PDU (non-GFI)

NSNs Pending

- Six (6) 120 volt straight blade flange outlets
- Five (5) 20 amp, single pole circuit breakers
- One (1) 30 amp, single pole circuit breaker
- One (1) 0-150V voltmeter
- One (1) phase to neutral voltmeter selector switch
- One (1) 120/208V male inlet shore power connector plug
- One (1) 120/208V female outlet shore power connector plug

\* Other sizes and special configurations are available, including European Standard power boxes, both U.S. and European Standard power boxes, as well as 50 amp and 100 amp multipower boxes.

**DHS SYSTEMS** LLC  
A DHS TECHNOLOGIES COMPANY

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# DRASHLITE

NSNs: 8340-01-513-9672 (2-Light Set), 8340-01-513-9676 (4-Light Set)



## FEATURES:

- Rugged, rust-resistant, rain-tight strip light.
- Green, water proof, aluminum housing with molded plastic end caps.
- Aluminum reflector, slim electronic ballasts (2) and 55-watt twin "U" light bulbs (2).
- Three-position waterproof toggle switch to allow for single or double bulb operation.
- Includes a carrying handle, 43" power cord (coiled to prevent unwanted slack), adjustable hanging strap and cushioned carrying bag.
- Available for 120V/60Hz, 220V/60Hz, and 220V/50Hz.
- Measurements: 24" x 7.5" x 5.5" in (61 x 19 x 14 cm).
- Available in a two or four light sets with wiring package.

# DRASH BOOT

NSNs Available Depending on Design



## FEATURES:

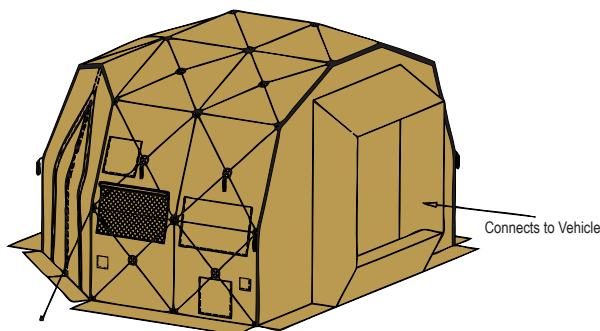
- Light-tight fabric connections between a vehicle and any DRASH shelter.
- Ensures convenient and tactically safe movement from inside a shelter, providing a more effective work or command area than inside a vehicle.
- Fabric is fire retardant, mildew resistant, water repellent, abrasion resistant, UV resistant, and includes blackout in the visual and near infrared spectrum.
- Operable in temperatures ranging from -50° to 131°F (-45.5°C to 55°C).
- Five-year warranty for materials and workmanship.

For more than ten years, over 1,000 DRASH Boots have been designed for the United States and NATO forces. As a result, DHS Systems currently holds designs for boots to fit almost any wheeled or tracked vehicle in the Department of Defense (DoD) and NATO. Additionally, DRASH Boots have been provided to connect DRASH Shelters to hard ISO containers.

## BASIC BOOT DESIGNS:

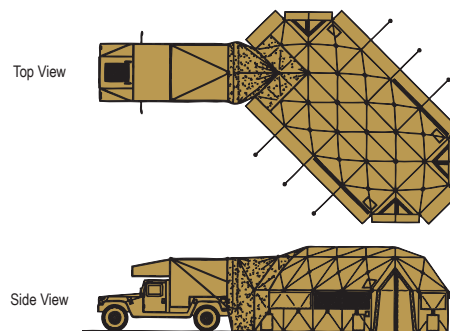
### T-Boot

Attaches to the Truncated, or T Variant, of either an S, XB or M shelter.



### Door Boot

Attaches to a doorway on either an S, XB or M shelter.



*NOTE: Although two basic designs exist for DRASH Boots, boots are generally custom made to accommodate specific functions. To ensure a proper fit, contact DHS Systems at 845-359-6066, and ask to fill out a DRASH Boot Questionnaire*