



ASSAULT KITCHEN (AK)

PURPOSE:

Fielded beginning in 2008, the Assault Kitchen (AK) is the replacement for the Kitchen, Company Level Field Feeding (KCLFF). While maintaining a smaller logistical footprint than the KCLFF, the AK is a highly mobile field feeding platform capable of sustaining a Company-sized unit of Soldiers with a high quality, hot UGR-H&S™ meal while minimizing time at the feeding site.

CHARACTERISTICS:

The AK consists of key components packed in an M1101 or M1102 Light Tactical Trailer (LTT) that is pulled by a HMMWV. Every component has a designated location on the mobile platform. The LTT holds a Tray Ration Heater (TRH) to heat UGR-H&S™ components, as well as a power inverter, IFCs, IBCs, side loading pan carriers, tools required for system maintenance, utensils, and three serving tables. The HMMWV is utilized to carry supporting items including extra water and rations, an ice chest, a stockpot cradle assembly, and an MBU for warming beverages. This integrated AK solution replaces the KCLFF's loose collection of items packed on a 5-ton. The primary feature of the AK is the TRH. It offers a "heat-on-the-move" capability that leads to minimal meal preparation time at forward or remote feeding sites. This capability is not available in the KCLFF. The TRH contains a stainless steel water tank that heats up to 24 tray packs, 15 number ten food service cans, or a combination of the two in 30 to 45 min. Safety features include thermostatic control to ensure the water temperature stays below the boiling point, a liquid level sensor that shuts off the burner if the water depth in the tank falls below 4 inches (10.2 cm), and a tilt switch to shut the burner off at an excessive operational angle. Power for the AK TRH is provided through a connection to the HMMWV routed through an on-board power inverter.

CAPABILITIES & BENEFITS:

- Provides heat-on-the-move field feeding; mobility allows feeding without interrupting the battle rhythm.
- Feeds 250 UGH-H&S™ meals at a feeding site within 90 minutes or 500 meals a day at multiple sites; hot meals lead to improved Soldier morale.
- Requires minimal setup time (10 min) at a remote site and near instantaneous feeding.
- Leverages and uses same key components as USMC TRHS; comprised almost entirely of non-developmental items (NDI) and commercial components.
- Enables 60% reduction in time at fielding site, 33% reduction in fuel usage, and 80% reduction in ration heater water usage when compared to the KCLFF.
- Integrates into HMMWV with attached LTT; components can be removed from HMMWV and LTT and used statically.
- The AK is provided with an M59 field range and griddle adapter to provide feeding of up to 150 Soldiers with limited "A" ration capabilities.



COMMENTS:

The Army's acquisition objective for the AK is approximately 1453, with initial fieldings targeted to Stryker Brigade Combat Teams (SBCTs) and Special Forces units. It is being fielded as a one-for-one replacement for the KCLFF. The AK is compatible with the evolutionary Army field feeding concept for the Current, Modular, and Future Force that requires improved mobility, survivability, deployability, and offers a field feeding sustainment capability that is quickly operational with minimal staffing.

POINT OF CONTACT:

DoD Combat Feeding Directorate

Phone: COMM (508) 233-4670

E-Mail: usarmy.natick.nsrdec.mbx.nati-amsrd-nsc-cf@mail.mil

Website: hotchow.natick.army.mil

AT A GLANCE:

- **FEEDING CAPACITY:**
Daily feeding for 250 Soldiers in one location or 500 Soldiers in multiple locations
- **OPERATIONAL DIMENSIONS:**
Height - 8 ft (2.44 m)
Width - 15 ft (4.57 m)
Length - 22 ft (6.71 m)
- **WEIGHT:**
1500 lbs (675 kg) without weight of fuel and water
- **FUEL REQUIREMENTS:** JP-8
- **ELECTRICAL REQUIREMENTS:**
120V-AC from HMMWV power system and routed through an inverter
- **KEY FEATURES:**
Heat on the move capability utilizing the Tray Ration Heater System (TRHS)

UNCLASSIFIED