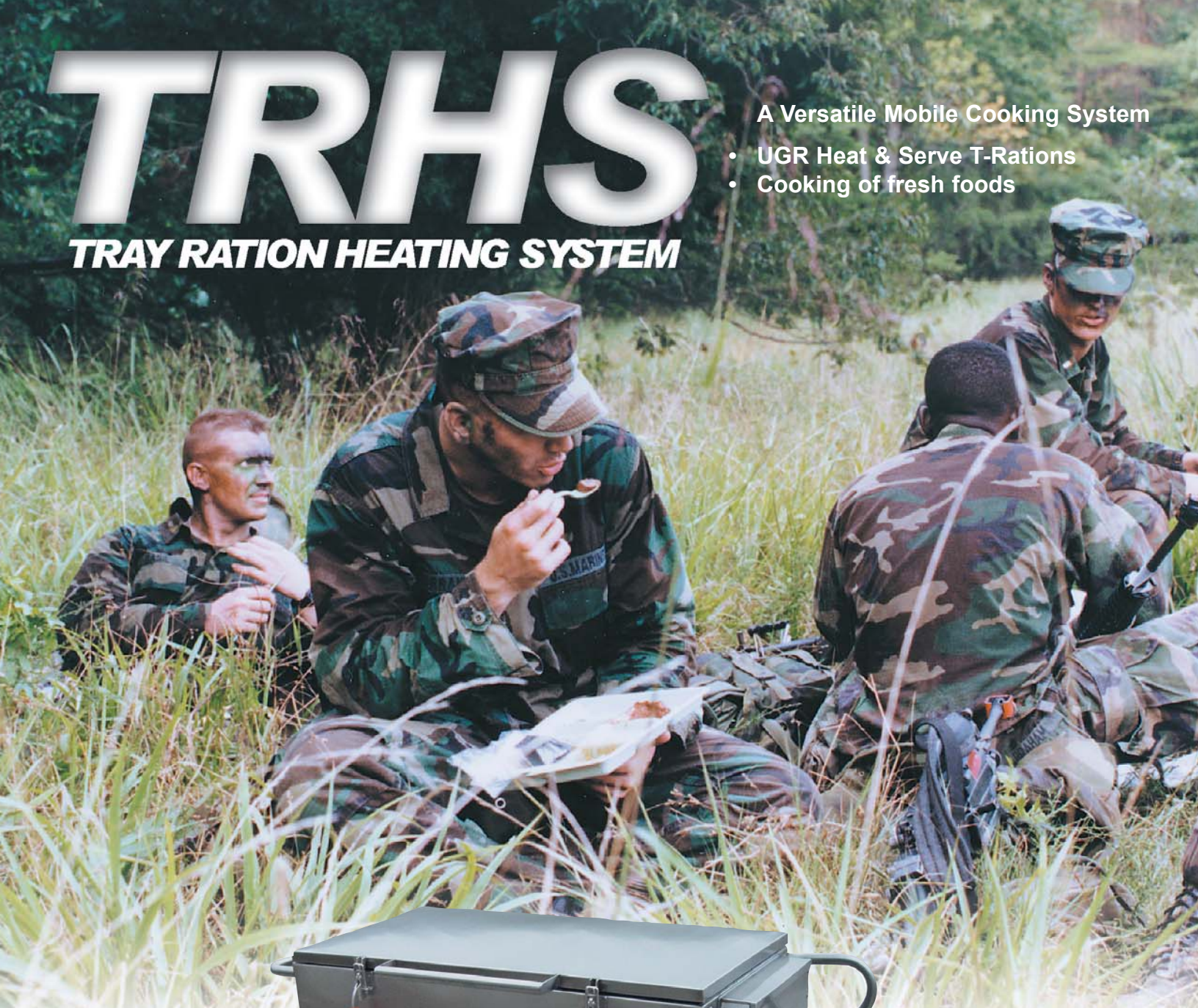


TRHS

TRAY RATION HEATING SYSTEM

A Versatile Mobile Cooking System

- UGR Heat & Serve T-Rations
- Cooking of fresh foods



Safe and reliable

Smokeless and odor-free combustion with diesel fuel or JP-8

Easy to use and maintain

Smooth-wall interior tank meets NSF Standards

Heat-on-the-move capability

Single-switch operation

Quiet operation

Thermostatic control

Operates on 120 VAC power direct or through an inverter

Tray Ration Heating System • NSN# 7310-01-295-7479

Powered By Airtronic®

Product Description

The TRHS is a mobile field feeding system used to heat UGR-H&S (Unitized Group Rations-Heat & Serve). The TRH, with heat-on-the-move capability provides hot meals within minutes of arrival at any remote location. With optional accessories, the TRHS can also be used to prepare a variety of fresh foods**.



Benefits

Hot, Nutritious Food

UGR Heat & Serve meals are a cost effective and better tasting alternative to MREs.

Simple To Use

Single-knob start-up and precision thermostatic temperature control.

Clean Combustion

The Babington Airtronic® Burner burns all distillate fuels, such as #2 diesel, and JP-8, smoke & odor free, and without harmful Carbon Monoxide emissions.*



No Nozzle

There is no nozzle to clog and the Babington Airtronic Burner is insensitive to fuel contaminants and fuel viscosity.

Versatile

The Babington Airtronic® Burner is also used to power the **PMB** (Powered Multi-Fuel Burner) and the Babington **FSU** (Field Sanitation Unit). The One-Burner-Fits-All concept dramatically reduces training and maintenance costs.

Proven Track Record

Airtronic powered TRHs have been in successful military service all over the world since 1996. Also, Airtronic Powered M-59 Ranges have fed over 15,000,000 meals at the Marine Corps Air Ground Combat Center (MCAGCC) at Twentynine Palms, California.

Specifications: Airtronic® Burner Powered TRH

NSN #:	.....7310-01-295-7479
Size:	.....23" wide x 25.5" high x 53" long
Weight:	.....285 lbs (empty) 400 lbs (fully loaded)
Water Capacity:	.....30 Gallons / 15 gallons when loaded with tray packs
Minimum Feeding Capacity:	.....500 troops per day at 3-locations (<i>This design goal is often doubled in actual use</i>)
Tray Pack Capacity:	.....18 / 25 without rack
Burner Heat Output:	.....40,000 BTU/Hr to 80,000 BTU/Hr, adjustable without parts change
Safety Controls:	.....Automatic shutdown systems for burner flame-out, excess tilt, low water, and high temperature conditions
Fuel Types:	.....All distillate fuels including, DF-1, DF-2, DFA, Home Heating Fuel, JP-8
Fuel Pump:	.....Self priming, high lift, single line
Ignition:	.....Low Energy and instant shut-off after light-off eliminates radio interference
Operating Temperature Range:	.....-65° F to +130°F
Power Consumption:	.....150 watts
Power Supply:	.....120 VAC or 24VDC with mobile inverter
*Emissions:	.....Less than 10 ppm CO (Carbon Monoxide)
**Optional Accessories	.....Vegetable steaming basket, non-stick preparation pan (eggs, rice, etc.)

TRHS • Tray Ration Heating System

The TRHS (Tray Ration Heating System) consists of the basic Tray Ration Heater (TRH) and all of the collateral equipment needed to optimize for a mobile heating system in any type of environment or terrain. This includes serving utensils, beverage containers, warming containers, fuel supply system, tent, serving tables, fire extinguisher, and a complete maintenance kit with a spare burner. A basic Tray Ration Heater is also available without additional collateral equipment. When ordering this unit, specify TRH-2050 (Includes TRH tank assembly, tray rack, Airtronic Burner, complete fuel system, and power cord)



Tray Pack food is nutritious and easy to serve.



The TRH system is fully transportable on one Hummer (HMMWV)



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