

**Category:** Class II

**Item Name:** Space Heater Convective (SHC) 90K

**NSN:** 4520-01-598-1844

**LIN:** S05023

**Part Number (Model Number):** 12000



**Description:** The SHC 90K is a 90,000 BTU, lightweight, portable, multi-fuel, self-powered heater that operates outside military tents and provides forced hot air recirculation via sealed, detachable, quick connect, flexible air ducts, without the need for an external power supply. The SHC 90K operates on diesel and JP-8 fuels and generates its own internal electrical power without any moving parts. Fuel ignition is accomplished by a one-switch startup procedure on a remote control located inside the tent. Heater operation includes completely automatic safety and temperature controls as well as built-in troubleshooting diagnostics. The SHC 90K is also equipped with a remote intelligent control box that informs the heater's operator of a problem and how to fix it. The SHC 90K is equipped with an internal fuel tank to provide a minimum of 15 hours of continuous operation and has the capability to operate on an external fuel supply as well. It has a protective enclosure that can withstand extreme environmental and field conditions, and is forklift compatible with handrails/ handles to support local movement and positioning.

**Dimension:** 53" x 28.5" x 31.5"

**Weight:** 355 lbs

**Capability:** Provides forced hot air circulation without the need for an external power supply (i.e., field generator). The SHC 90K generates its own electrical power, without any moving parts, through the use of thermoelectric modules located inside the combustion chamber that convert waste heat into electricity. The internal generation of electrical power gives the SHC 90K the added capabilities of single switch operation, forced hot air circulation, outside the tent operation, completely automatic safety and temperature controls, built-in troubleshooting diagnostics, operation without the need for a fire guard, and significantly higher combustion efficiencies, all without the need for an external power supply. The SHC 90K's unique, self-powering capability enables the heating system to be smaller, lighter, more mobile, versatile, reliable and efficient and is an ideal match for meeting the future battle field requirements to reduce the logistic burden of supplying fuel and power to the field.

**Electrical Power:** None

**Transportability:** Air Sea, Land eligible

**Used By (Service):** Army

**Primary Inventory Control Authority (PICA):** NIMSC 5

**Supportability:** Standard Army Supply and Maintenance Systems, TM 10-4520-267-13&P