

Category:

Item Name: Improved Environment Control Units (IECUs)



NSN:

- 9K IECU 115/1/60 - 4120-01-592-7940
- 18K IECU 208/3/60 - 4120-01-592-7987
- 18K IECU 230/1/60 - 4120-01-592-7977
- 36K IECU 208/3/60 - 4120-01-592-7949

LIN:

- 9K IECU 115/1/60 - A05047
- 18K IECU 208/3/60 - A05048
- 18K IECU 230/1/60 - A05049
- 36K IECU 208/3/60 - A05050

Part Number (Model Number):

Description: Improved Environmental Control Units (IECUs) provide the next generation Environmental Control Units (ECUs) that use environmentally approved refrigerants, with zero ozone-depleting chemicals (ODCs). 9/18/36K IECUs are required to replace currently fielded legacy MIL-STD ECUs in order to comply with statutory and regulatory restrictions on the use of Class II Ozone Depleting Chemicals and increase the performance, efficiency and reliability of military ECUs. IECUs support the Warfighter by providing the required cooling, heating, and dehumidification to allow operation of essential mission systems to conduct military operations

Version:

Dimension:

- 9K IECU 115/1/60 23.75"W x 26"D x 16"H
- 18K IECU 208/3/60 30"W x 28"D x 20"H
- 18K IECU 230/1/60 30"W x 28"D x 20"H
- 36K IECU 208/3/60 38"W x 35"D x 27"H

Weight:

- 9K IECU 115/1/60 - 180 lbs.
- 18K IECU 208/3/60 - 250 lbs.
- 18K IECU 230/1/60 - 250 lbs.
- 36K IECU 208/3/60 - 350 lbs.

Capability: Provide cooling in the range of 9,000 to 36,000 BTU/hr and supplemental heating for rigid wall shelters. IECUs weigh less than legacy MIL-STD ECUs, provide increased energy efficiency (lower power consumption) are more reliable, and most importantly, eliminate the use of ozone depleting refrigerants. IECUs employ modern logic/control systems, variable speed controls to reduce inrush current and are operable at extreme temperatures.

Electrical Power:

- 9K IECU: 3kW Generator
- 18K IECU (1- or 3-Phase): 5kW Generator
- 36K IECU: 10 kW Generator

Transportability: Traditional Modes

Used By (Service): Army

Other Characteristics: MTOE Item, Fieldings to begin late FY19

Support Equipment (Ancillary):

Primary Inventory Control Authority (PICA):

Supportability: Standard Army Supply and Two Level Maintenance