

# Low Profile Environmental Control Unit

Environmental System Products



## **PRODUCT DESCRIPTION**

The Houston Fearless Environmental Control Unit (ECU) is designed, and manufactured with the highest level of sustainability in mind. The ECU is self-contained and is especially suited for the most hostile marine and high-humidity environments. Features include sealed, highly reliable electrical components and controls, humidity controls, and optional accessories. It's rugged construction and simple operation and repair is ideally suited extended deployment in the most hostile locations.

## **KEY FEATURES**

### **Corrosion Resistant**

- All primary structures are fabricated of 316L stainless steel for exceptional corrosion resistance.

### **Anti Surge Operation**

- ECU is equipped with hot gas bypass which prevents compressor motor cycling and resultant surges and sags on power distribution systems.

### **Exceptional Reliability**

- The prototype has amassed well over 15 years of 24/7 operation with only normal periodic maintenance

### **Worldwide Support**

- Through Federal supply channels and COTS manufacturers.

# SPECIFICATIONS

## LEADING PARTICULARS

<b>Dimensions</b>	<b>Model 90/43/LP</b>
<b>Length</b>	50.5 inches
<b>Width</b>	48.5 inches
<b>Height</b>	56 inches
<b>Net weight</b>	1500 lbs.
<b>Shipping weight</b>	1640 lbs.
<b>Power Requirements.</b>	208-Volt, 60-Hz, 3-Phase, 4 wire
<b>Cooling Capacity</b>	90,000 btu/hr.
<b>Heating Capacity</b>	43,000 btu/hr.
<b>Discharge Air Flow Rate</b>	2100 cfm
<b>Discharge Duct Size</b>	18"
<b>Return Duct Size</b>	18"
<b>Construction</b>	Type 316 SS
<b>Refrigerant</b>	R-22

## ADDITIONAL FEATURES

- For reliability and safety, all electrical connections utilize Mil Spec connectors.
- One of the few air conditioning systems capable of producing refrigerated air in sub zero conditions.
- All major replaceable refrigeration components are COTS technology.
- The prototype has more than 15 years continuous operation without major component failure.

### FOR FURTHER INFORMATION CONTACT:

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