

## Heat Harvester Heat Recovery Performance and Component Data

**Model E-80** for commercial use  
62 ton through 80 ton R-22  
42 ton through 56 ton R-134A

### 1. Heat Exchanger Coil

Tube in Tube Exchanger  
Outside hot gas tube Steel Tested 450 PSI  
Inside tube double walled vented copper, U.L. Listed for portable water  
Double wall with vent between walls isolates water from refrigerant. Tested 450 PSI  
Four coils parallel in balanced manifold to ensure proper refrigerant flow.

### 2. Water circulation pump

Grundfos Stainless Steel 1/6 HP  
Single Phase 208/230 Volts 60 HZ 1.07 amps  
Water Lubricated Needs no oiling overload protected U.L. Listed.

### 3. Electrical Controls

Head Pressure Control Adjustable Set to make at 200 psi & brake at 170 psi  
R-22  
Manufactured by Alco

### 4. Pump Speed Control

Variable speed control to regulate pump RPM in reference to head pressure

### 5. Tubing Connections Copper Refrigerant 2 5/8" Water 1 3/8"

### 6. Dimensions 17" x 26" x 55" Weight 265 Lbs.

### 7. Performance Ratings - 70° rise i.e. 70° to 140° F with Constant Circulation in tank

Based on	Air Cooled Conditions R-22	Water Cooled Conditions R-134A.
65 ton	299,400 BTUH	45 ton 180,000 BTU/Hr.
70 ton	322,000 BTUH	50 ton 200,000 BTU/Hr.
75 ton	345,500 BTUH	55 ton 220,000 BTU/Hr.
80 ton	368,500 BTUH	

**Note:** In View of Continuous Product Improvements—design and specification are subject to change without Notice

Heat Harvester Energy Efficient Products  
Manufactured by  
Environmentally Engineered Equipment, Inc.