

## Heat Harvester Heat Recovery Performance and Component Data

### Model E-100 for commercial use

85 through 100 ton R-22

60 through 70 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 potable 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 5/8"

#### 6. Dimensions 17" x 26" x 64" Weight 310 Lbs.

**Performance Ratings**— 70° rise i.e. 70° F-to-140° F with constant circulation in tank

#### Based on R-22 - Air Cooled Conditions

85 ton 399,500 BTU/Hr.

90 ton 423,000 BTU/Hr.

95 ton 446,500 BTU/Hr.

100 ton 470,000 BTU/Hr.

#### Based on R-134A Water Cooled

60 ton 240,000 BTU/Hr.

65 ton 260,000 BTU/Hr.

70 ton 280,000 BTU/Hr.

**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.