

Heat Harvester Heat Recovery Performance and Component Data

Model E-120 for commercial use

105 through 120 ton R-22
70 through 90 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 5/8"

6. Dimensions 34" x 26" x 46" Weight 365 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
105 ton	483,000 BTU/Hr.	75 ton 300,000 BTU/Hr.
110 ton	506,000 BTU/Hr.	80 ton 320,000 BTU/Hr.
115 ton	529,000 BTU/Hr.	85 ton 340,000 BTU/Hr.
120 ton	552,000 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
H H Systems, Inc.