

DYNAMIC HEAT GENERATOR – MODEL A2R300

INSTANTANEOUS HEAT



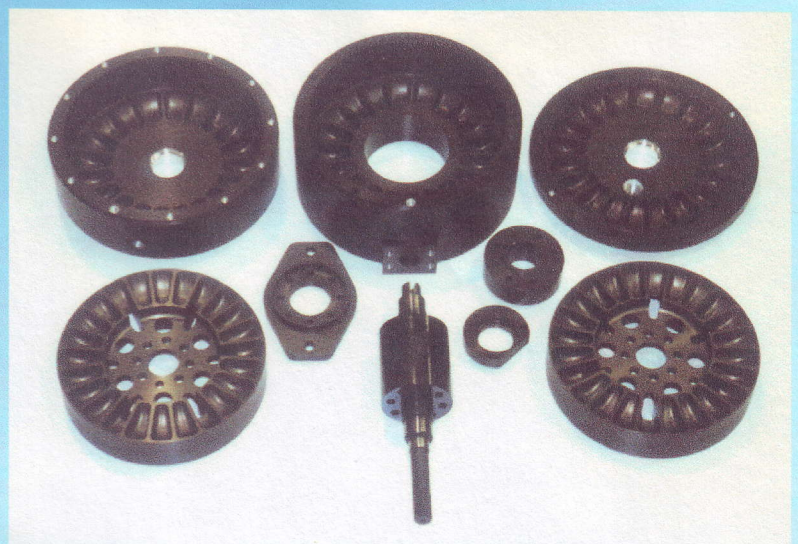
Unit shown with Poly-V belt
12/48 VDC electric clutch drive
and standard air conditioning
compressor mount for
automotive service.

5 IN Diameter x 11 IN LONG

55,000 btu/hr @ 3650 rpm

SIMPLE, RELIABLE, FLAMELESS, MINIMUM SIGNATURE

- ENGINE DRIVEN CAB/VEHICLE HEATER
- ENGINE PREHEAT/EMISSION CONTROLS
- HEAT TO VAPORIZE LIQUIFIED GASES
- HEAT OILS, FUELS AND LUBRICANTS
- HEAT BUILDINGS, SHELTERS, AND DECKS
- PREVENT WATER FREEZING IN TANKS
- WARM AND CIRCULATE POTABLE WATER
- DEICE VEHICLES AND AIRCRAFT
- BOIL WATER/DESTROY PATHOGENS
- HEAT COOKING AND WASH WATER
- WARM HYDRAULIC SYSTEMS
- COOK AND HEAT FOOD



Simple and rugged characterizes the Island City DHG construction.. Monolithic CNC machined components are TYPE III anodized per MILSPEC for corrosion and erosion protect. Hard housing surface finish (85 Rockwell) is approved for potable water and food applications. Operating temperature range to 220 deg F [xxx deg C] with higher operating temperature available upon application.



The ISLAND CITY Dynamic-Heat-Generator is a **MECHANICALLY DRIVEN** fluid heater. Only rotary shaft input is required to heat large fluid volumes rapidly and efficiently without a heat exchanger. **ORIGINALLY** developed to heat and maintain diesel engine temperature in arctic conditions the DHG is adaptable to many heating applications. Driven from engine PTO, electric motor, hydraulic drive or belt the DHG has one moving functional component requiring no regular service or consumables.

BASIC SPECIFICATIONS Model A2R300

Capacity: 63,000 BTU/hr

Temp (max): 220 deg F (Higher temperature available upon application)

Drive: SAE A, POLY V SHEAVE, NEMA or customer specified

Regulation: Rotational Speed
air/electric/hydraulic clutch
Inlet Fluid Flow

Ports: Inlet: -8 SAE Outlet: -6 SAE or customer specified

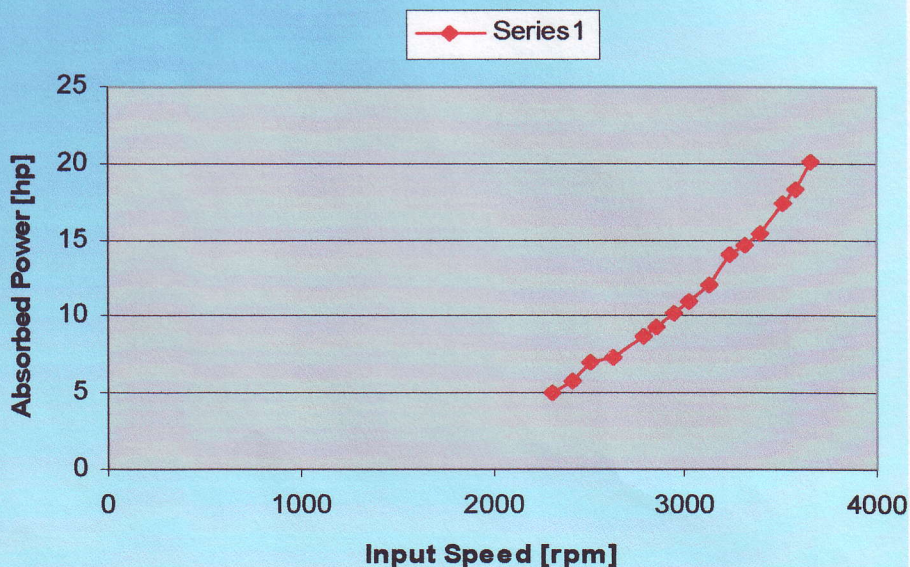
Options: Integral Charge Pump
Full Disconnect Clutch
Speed Sensor

Construction: CNC Machined 6061 T6 Alloy, ASTM A514 HSLA Steel, 304 SS - other materials upon application

Finish: Hard Coat Type III Anodic Finish with sealer per MIL-A-8625F, NITROFLEX

Working Fluid: Glycol/water, water, oil, fuels others upon application

Performance Curve Model A2R300



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