

# **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

HEAT AND COOK 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.

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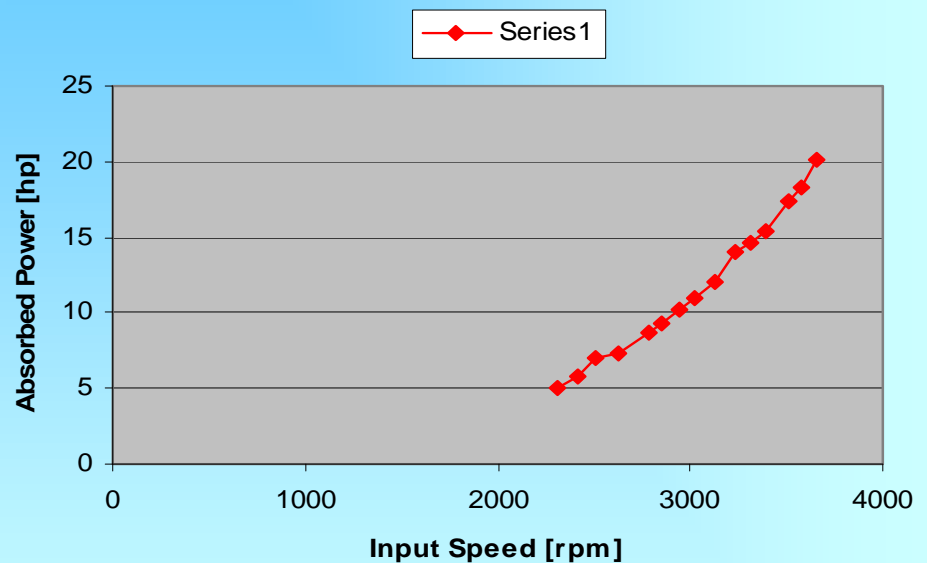


The ISLAND CITY Dynamic-Heat-Generator is a MECHANICALLY DRIVEN fluid heater. Only rotary shaft input is required to heat large fluid volumes rapidly and efficiently without a heat exchanger. ORIGINALLY developed to heat and maintain diesel engine temperature in arctic conditions the DHG is adaptable 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 out (max):	200 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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