

# Dynamic Heat Generator



Model A1R7196

50 HP – 37 KW – 125,000 BTU/HR

**dy-nam-ic heat gen-er-a-tor** [dahy-nan-ik, heet, jen-uh-rey-ter]

**noun**

1. A machine that effectively converts mechanical energy into heat.
2. A device that converts mechanical energy (rotary) to heated fluid energy. Driven shaft and rotor forces fluid into a centrifugal and spiral motion, propelled fluid collides into fixed end plates creating sheared (heated) fluid.

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**Model**

A1R7196

**Drive (Input)**

SAE pump mounts – SAE B mount

**Drive (Output)**

M4 Motor Drive  
SAE pump mounts

**Exterior Mount**

SAE pump mount with feet with spline shaft

**Capacities (Heat Output)**

Rated output of 50Hp – 37 KW – 125,000 BTU/HR of continuous heated fluid at 2,550 RPM

**Flow Rate (GPM)**

Typical flow rate of 5-15gpm at rated speed  
Standard Ports – ORB  
Alternate ports – optional

**Fluids**

50/50 Glycol  
Petroleum Oil  
Alternate Fluids – Upon Approval

**Efficiency**

95% or better at design speed

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