

Dynamic Heat Generator



Model A1R500

45 HP – 34 KW – 112,000 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.

ISLAND CITY LLC

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Model

A1R500

Drive (Input)

SAE pump mounts – SAE B mount

Drive (Output)

M4 Motor Drive

SAE pump mounts – SAE AA or A mount

Exterior Mount

SAE pump mount with feet with spline shaft

Capacities (Heat Output)

Rated output of 45Hp – 34 KW – 112,000 BTU/HR of continuous heated fluid at 2,600 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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