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NUMERICAL ANALYSIS OF R-290/POE ISO 22 CONDENSERS BASED ON THE SECOND LAW AND SEER RATING

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HIGHLIGHTS

- An evaluation of the condenser characteristics on an AC performance was performed.
- The modeling considers the R-290/POE ISO 22 mixture as the working fluid.
- For a small available area, louver fin gave better performance results.
- Plain fin provided better results for a large total condenser area.
- A point of maximum efficiency was obtained for a fixed cooling capacity.

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