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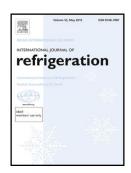
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## ACCEPTED MANUSCRIPT

# Exergy Analysis of Electrically- and Thermally-driven Engines to Drive Heat Pumps: An Exhaustive Comparative Study\*

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#### Highlights

- Compares electrically- and thermally-driven heat engines to drive heat pumps
- Which engine may be a better choice for a given application
- Detailed energy and exergy analysis to support the conclusions
- Extensive cross checks of the results from analysis

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#### **Abstract**

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