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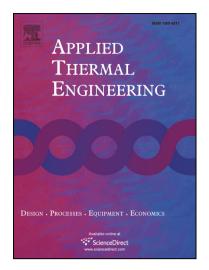
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Matching and operating characteristics of working fluid pumps with organic Rankine cycle system

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Abstract: The present paper focuses on the comparative experimental operating characteristics of working fluid pumps used in the organic Rankine cycle (ORC) system with R245fa, including multistage centrifugal pump, hydraulic diaphragm metering pump, and roto-jet pump. Effects of mass flow rate and outlet pressure are investigated systemically on the performance of the three pumps. Further theoretical studies are conducted on the effects of various types of working fluid pumps on the

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