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Experimental and Simulation Studies on Air Source Heat Pump Water Heater for Year-round Applications in Canada

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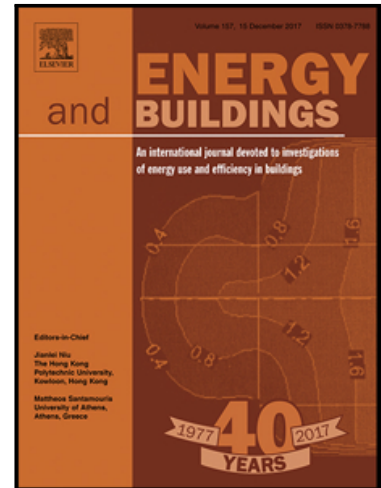
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Highlights

- Experimental and simulation studies on air source heat pump water heater (ASHPWH).
- The impact of indoor air conditions on the performance of ASHPWH was established.
- The COP varies between 1.5 and 5 for the chosen set of indoor air conditions.
- ASHPWH showed a net reduction of 21.3% in the electricity consumption of the house.

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