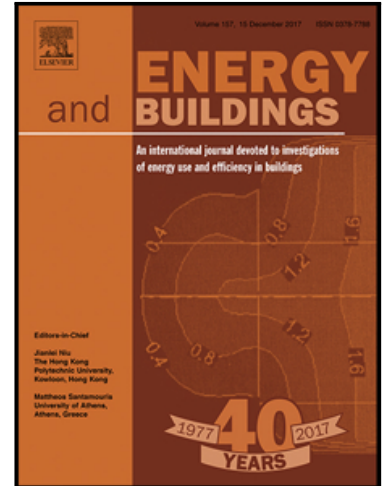


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Performance improvement of a split air conditioner by using an energy saving device

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Highlights

- The ESD was fabricated using a MTQDT for enhancing SAC performance.
- ESD effectively improved the performance of the SAC.
- The SAC with and without ESD were tested under various outdoor air conditions.
- Maximum improvement in dehumidification capacity of SAC was 25.4%.
- Maximum improvement in EER of SAC was 7.3%.

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