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Experimental and numerical comparison of multi-layered
 $\text{La(Fe,Si,Mn)}_{13}\text{H}_y$ active magnetic regenerators

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Highlights

- Magnetic regenerators based on $\text{La}(\text{FeSiMn})_{13}\text{H}_y$ with two, five and nine layers were tested.
- Experimental and simulation results are in a good agreement for a range of operation.
- Five- and nine-layer regenerators established no-load temperature span of 20.9 K.
- The highest temperature span for a cooling load of 12.4 W/kg was $\Delta T_{\text{span}}=19.8$ K.

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