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Experimental drop-in replacement of R404A for warm countries using the low GWP mixtures R454C and R455A

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HIGHLIGHTS

- R454C and R455A have similar properties to R404A and low global warming potential.
- The experimental operation and performance of these mixtures and R404A are compared.
- The average alternatives cooling capacity is comparable to that of R404A.
- The R454C and R455A energy performance is higher than that of R404A.
- An internal heat exchanger does not provide significant benefits to R454C and R455A.

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