Accepted Manuscript

Optimal defrost cycle for air coolers revisited: A study of fan-supplied tube-fin evaporators

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PII: S0140-7007(18)30055-0 DOI: 10.1016/j.ijrefrig.2018.02.009

Reference: JIJR 3889

To appear in: International Journal of Refrigeration

Received date: 18 October 2017 Revised date: 4 February 2018 Accepted date: 5 February 2018



Please cite this article as: Diogo L. da Silva, Christian J.L. Hermes, Optimal defrost cycle for air coolers revisited: A study of fan-supplied tube-fin evaporators, *International Journal of Refrigeration* (2018), doi: 10.1016/j.ijrefrig.2018.02.009

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Highlights

- Optimal defrost of fan-supplied tube-fin evaporators is investigated
- Numerical models are used to predict the operation between defrost cycles
- Optimal time to defrost is identified based on the on-off cycle efficiency
- Operating conditions, defrost power and evaporator geometry are evaluated

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