

Review of: "Refrigerant Selection in Air Conditioning Systems Considering Thermodynamic, Environmental, and Economic Performance Using the BHARAT-II Multi-Attribute Decision-Making Method"

Ajinkya Salve

Potential competing interests: No potential competing interests to declare.

The suggested BHRAT-II method is simple to understand; it also provides a generic approach to decision-making and works better when the decision-maker has limited available information. The recommended method is easy to implement, justifies giving weights to the selection criteria, and helps address the best alternative refrigerant selection problems associated with domestic and commercial air conditioning and refrigeration systems.

Compared to other ranking techniques, such as TOPSIS, AHP, PROMETHEE, etc., the weights recommended by the suggested method are superior and more rational. In multi- and many-objective optimisation problems across various engineering fields and scientific domains, the suggested approach helps to find the best alternative solution. The proposed method is beneficial when performing timely decision-making and applicable in various decision contexts.