
SELECTING REFRIGERANT BLENDS FOR VAPOUR-COMPRESSSION REFRIGERATION SYSTEMS AND HEAT PUMPS

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Abstract

The article describes specific refrigerant groups and a method of comparing them to the R12 and R22 freons. We present a program for comparing refrigerants, including refrigerant blends, in order to select the most efficient ones. We describe working cycles, algorithm and relevance of the program. We supply program operation results. We present the best refrigerant blends according to the criteria described. We base our recommendations for further application of the blends chosen on these results

Keywords

Refrigerant, refrigerant blend, freon, ozone depleting potential, global warming potential

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