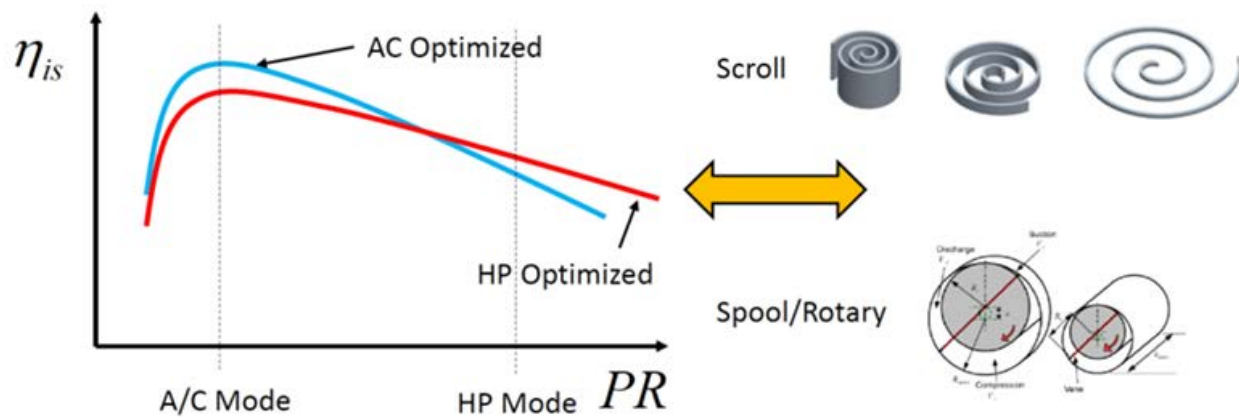

Compressor Technology Evaluation for Heat Pumps using Low-GWP Working Fluids

Project Number 23-02



Goal

PROJECT TEAM:

Student: Mohsin Tanveer;
Faculty: Craig R. Bradshaw

This project aims to address low-GWP refrigerants and decarbonization challenges by tackling the following research question, "What makes a good heat pump compressor?"

Outcomes/Deliverables

This project will deliver a final code of scaling analysis, geometry optimization, and scroll, rotary, and spool compressors, as well as a dataset of validation information for scroll and rotary compressors