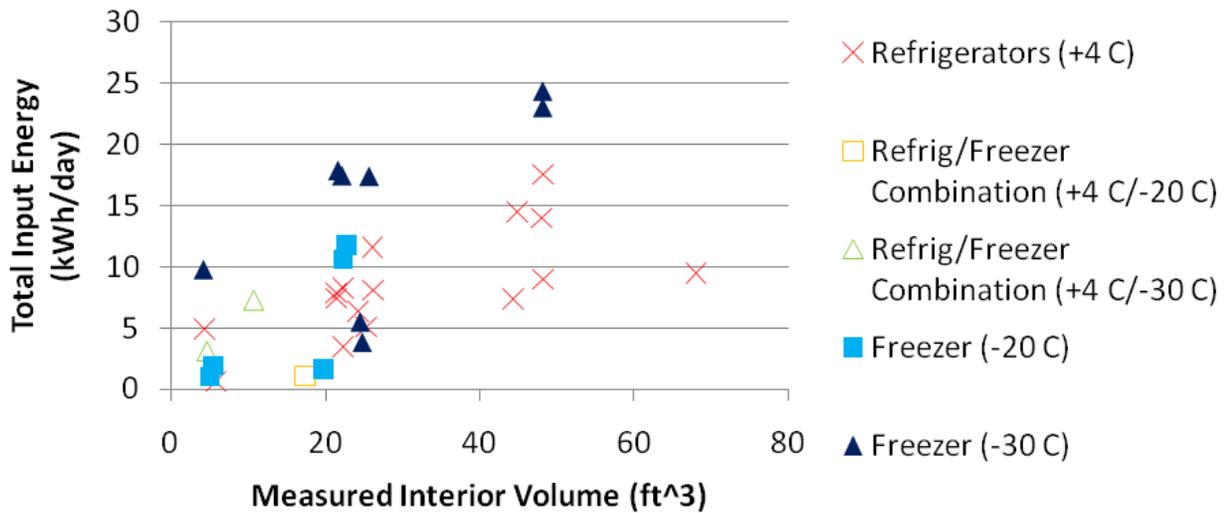


Reference Data Plots from 2010 Lab Grade R/F Framework Document

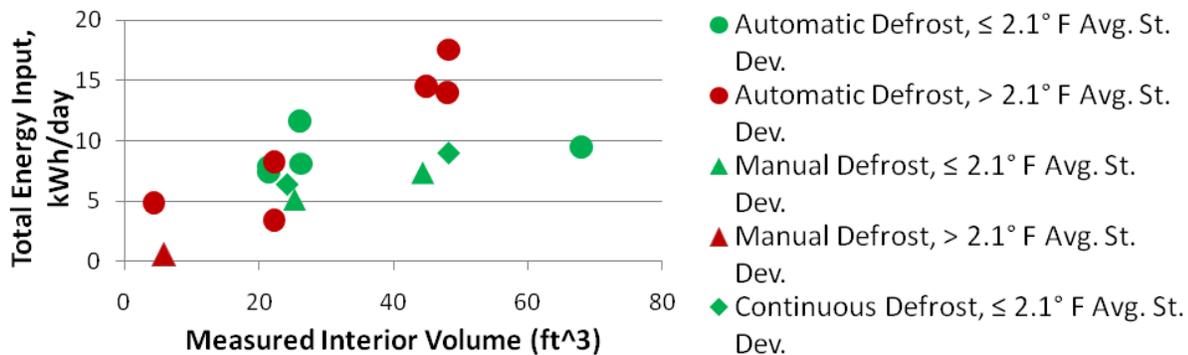
Number of models in 2010 data set:

- Lab Grade Refrigerators – 16
- Lab Grade Freezers – 13
- Ultra-Low Freezers – 0 (8 models from DOE 2012 test)

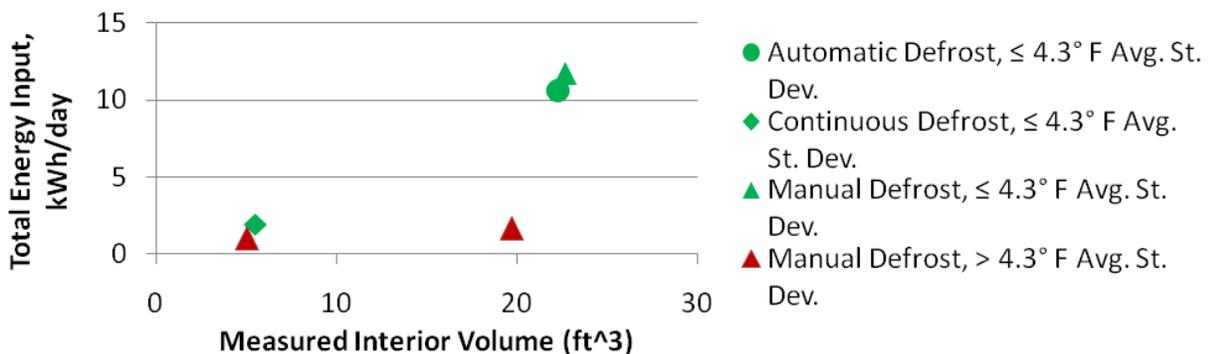
2010 Data – Total Energy Input



Impact of Defrost on Refrigerators



Impact of Defrost on Freezers



*Note plots above are taken from the 2010 Framework Document published [here](#)