

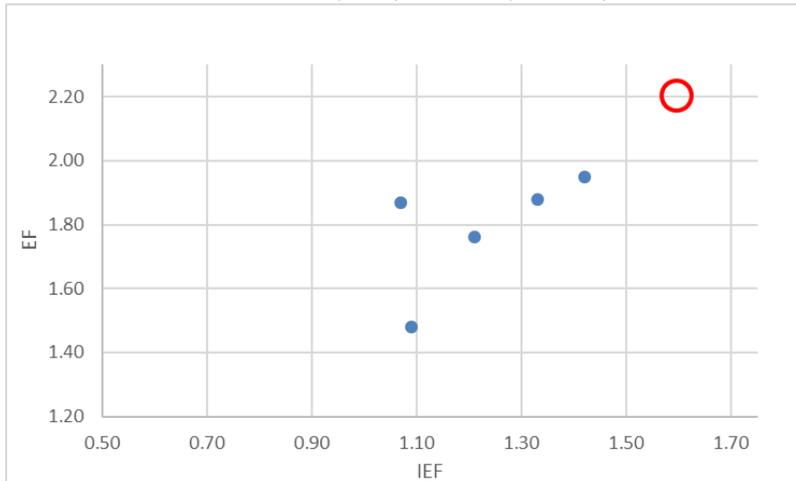
## Dehumidifier IEF to EF Supporting Data for Proposed 2019 Most Efficient

### Summary

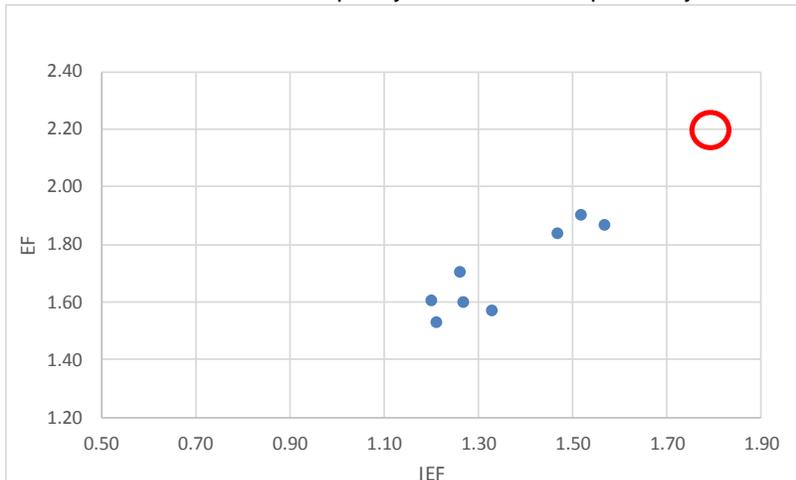
The proposed ENERGY STAR Version 5.0 Eligibility Criteria for dehumidifiers and the upcoming DOE energy conservation standards in June 2019 are based on integrated energy factor (IEF), as measured using DOE's new test procedure at 10 CFR Part 430, Subpart B, Appendix X1. Current eligibility criteria and standards are based on energy factor (EF), as measured using the existing DOE test procedure at 10 CFR Part 430, Subpart B, Appendix X. DOE considered results from investigative testing conducted in support of the recent dehumidifier rulemakings as well as DOE's engineering analysis to determine approximately equivalent IEF levels as measured by Appendix X1. The graphs below present EF and IEF for each of the test units, and include a red circle indicating the proposed 2019 Most Efficient EF and IEF values. Note that for each product class, the proposed 2019 Most Efficient EF and IEF values generally fall within the expected trend based on the results from DOE's test sample. Note, that the product capacity and case volume values listed below are based on the Appendix X1 operating conditions.

### Data

Portable Dehumidifiers – Capacity  $\leq 25.00$  pints/day:



Portable Dehumidifiers – Capacity 25.01 to 50.00 pints/day:



Whole-Home Dehumidifiers – Case Volume 8ft<sup>3</sup> or less:

