

Additional Information

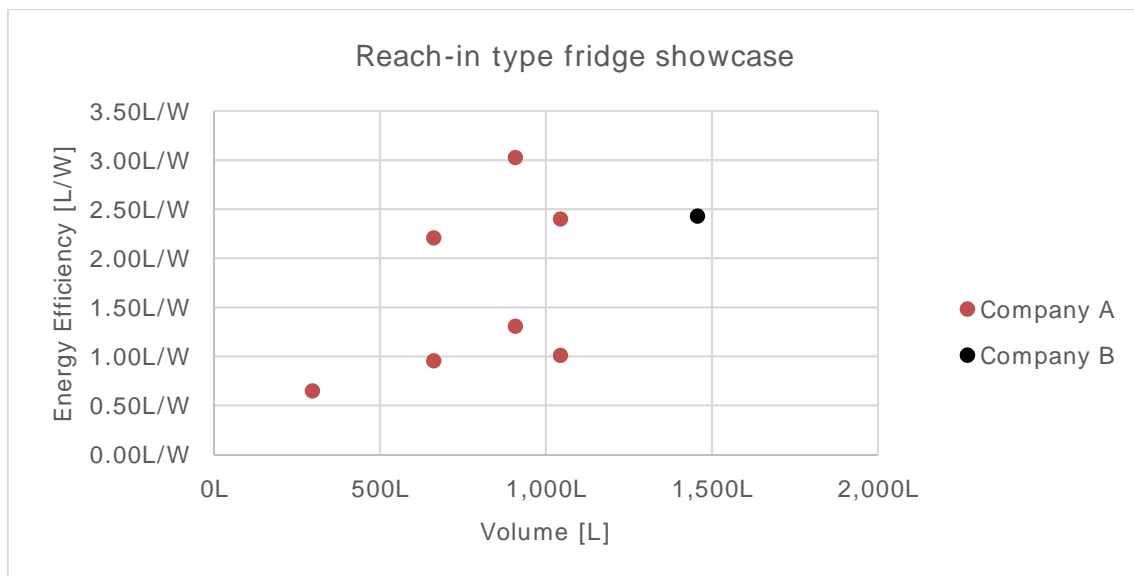
“Installation of a separate type fridge-freezer showcase by using natural refrigerant for grocery store to reduce air conditioning load inside the store”

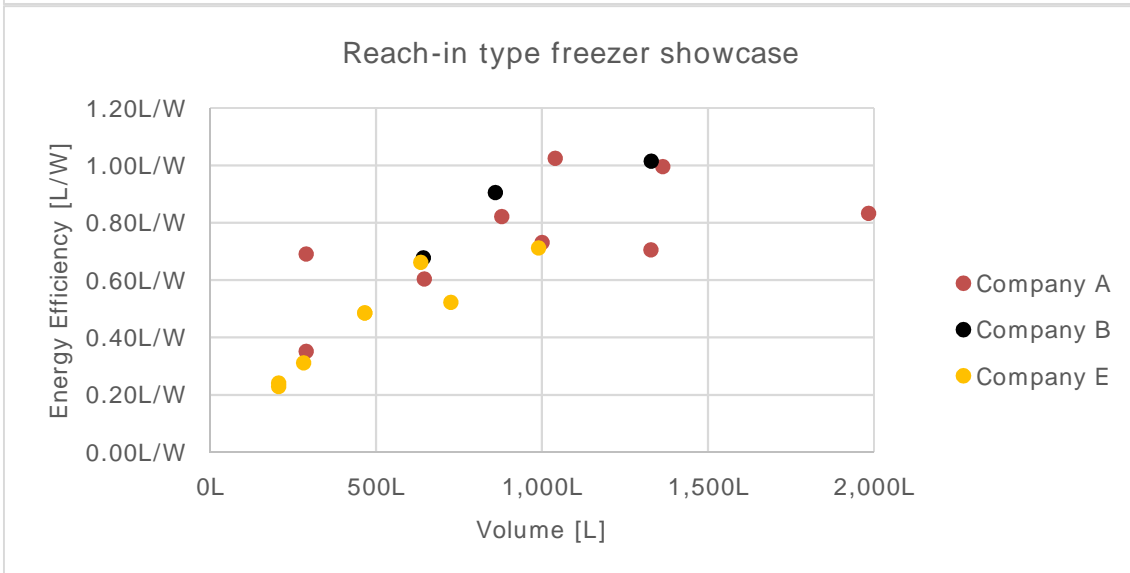
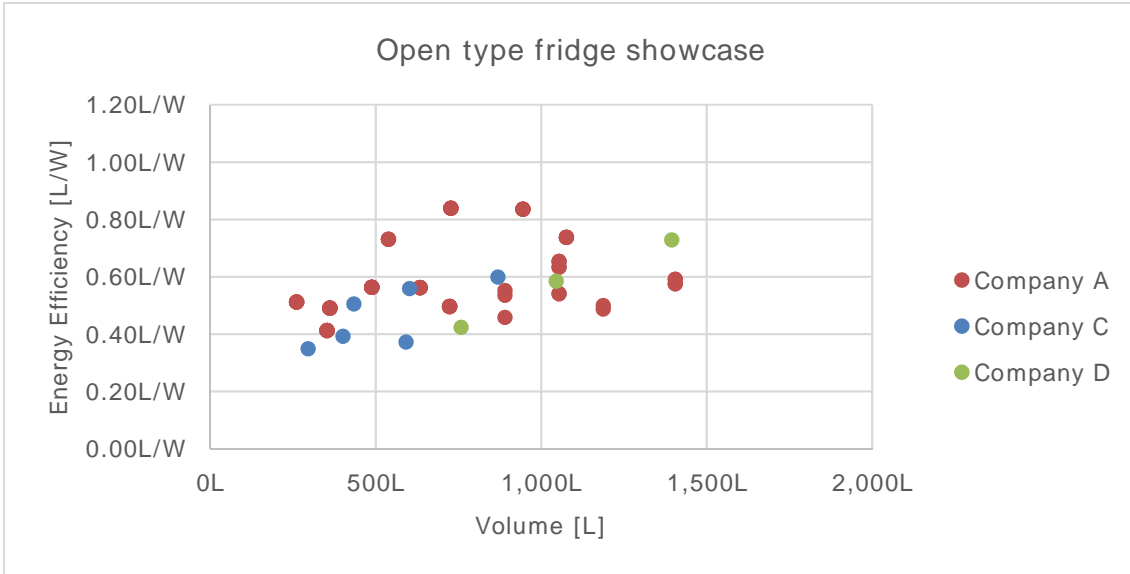
1. Setting of Reference Scenario and Parameters Fixed *Ex Ante*

In order to calculate GHG emission reductions conservatively, reference emissions are determined based on fridge-freezer showcases which are commercially available in Indonesia. However, due to data limitation of products sold in Indonesia, products sold in the world were also researched.

2. Survey Result

The values of energy efficiency of the reference fridge showcase and freezer showcase are obtained from product catalogs, specification documents or website of major manufacturers. The survey was conducted in August 2020.





3. Conclusion

Based on the data collected, the default values of rated electricity consumption of the reference fridge and freezer showcase are set as below.

Type	Range of Volume [L]		
	$z < 900$	$900 \leq z < 1,200$	$z \geq 1,200$
Reach-in type fridge showcase	1.27 L/W	1.94 L/W	2.43 L/W
Open type fridge showcase	0.54 L/W	0.68 L/W	0.61 L/W
Reach-in type freezer showcase	0.54 L/W	0.82 L/W	0.85 L/W