



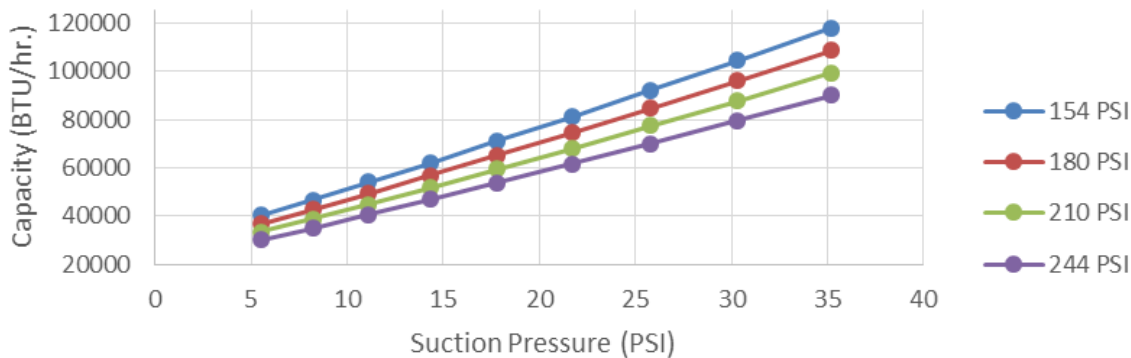
a fisherman's guide to

# REFRIGERATION EFFICIENCY

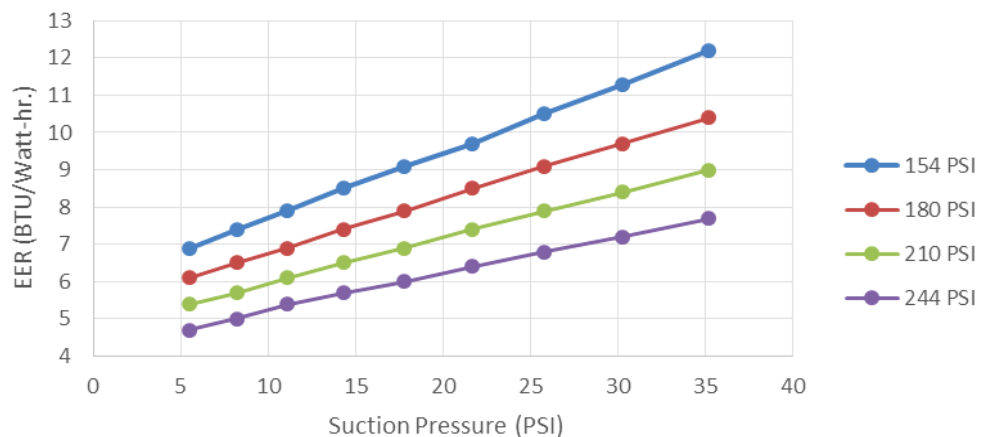
One simple step  
can bring down  
your energy use  
by **15%**!

Based on manufacturer data, reducing the discharge pressure from 180 PSI to 150 PSI improves refrigeration capacity by 9% and reduces energy use by 15%

Freezer Capacity vs. Discharge Pressure



Freezer Efficiency vs. Discharge Pressure



These figures show how discharge pressure effects freezer efficiency (energy use) and freezer capacity (BTU's).

## References

Freezer performance data are for the Carlyle model 06DR337 using R507/404A refrigerant. Data are from the following document: 06D/E Performance Data. Carlyle. Lit. No. 574-036. Rev. C 8/04 <<http://www.utcccs-cdn.com/hvac/docs/2002/Public/00/574-036.pdf>>. Conversions between saturated pressure and saturated temperature are based on the following document: Refrigerant Pressure Temperature Table. Parker. Oct. 1, 2003. <[http://www.parker.com/literature/Refrigerating%20Specialties%20Division/Ref\\_Temp\\_Chart.pdf](http://www.parker.com/literature/Refrigerating%20Specialties%20Division/Ref_Temp_Chart.pdf)>

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