

# Chiller Performance Curves

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Progress Report

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## York Design Curves

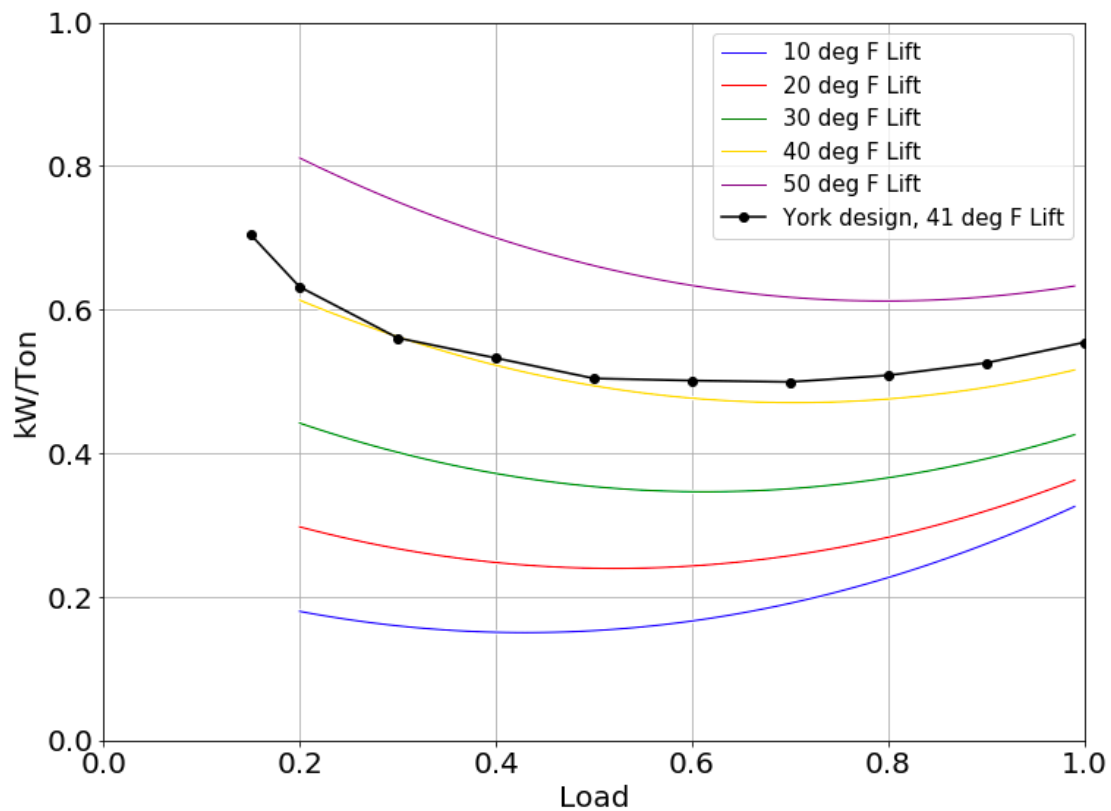
I looked at the York design curves. They are for

Condenser Water Return Temp = 85 degrees F

Chilled Water Supply Temp = 44 degrees F

Lift = 41 degrees F

The York curve is shown in black on the chart below. The solid lines are from my model trained on Chiller 1. My model is a reasonable approximation for the York curves.



## Model Accuracy

For chillers 2 & 3 the accuracy of my model is not great. This is explained by several stray data points. I believe these points should be removed from the dataset but I don't have a good reason to remove them. If you do remove these points the accuracy for chillers 2 & 3 is 98% and 96%.

	Accuracy	Accuracy w/o stray points
Chiller1 (training set)	98.2%	
Chiller 2	61.2%	98%
Chiller 3	64.0%	96%
Chiller 4	97.3%	

Chiller 2

