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Optimal Chiller Sequencing Control in an Office Building

Considering the Variation of Chiller Maximum Cooling Capacity

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Highlights

1. An optimal chiller sequencing control strategy is proposed ;
2. The variation of maximum cooling capacity of chiller is considered and presented ;
3. More accurate part-load performance curves considering the effect of the maximum cooling capacity of chiller are presented ;
4. The effect of chiller maximum cooling capacity on chiller sequencing strategies is revealed ;
5. Three different chiller sequencing control strategies are compared by implementing them in different chilled system configurations.

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