

Fans, Ducts and Air Handling Systems: Design, Performance and Commissioning Issues

Assessing an Air Handling System



Instructor:

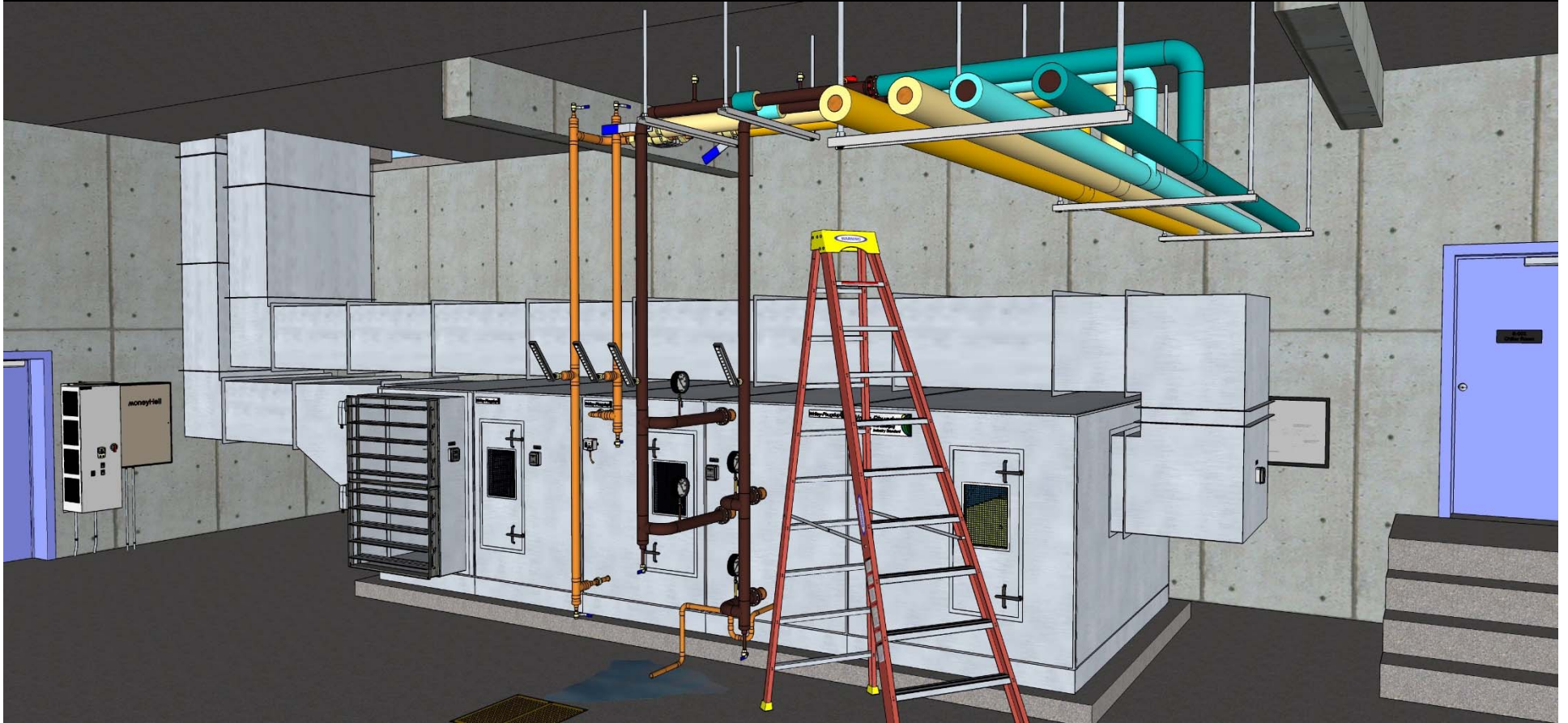
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Additional Observations

- Little if any belt noise
- Foggy outside
- Meeting rooms running at set point of 72°F
- The meeting room divider is closed
 - Used that way about 40% of the time
 - About half of that time is with only one side occupied
- Minimum outdoor air recently verified as being the required 25% with the dampers in the MOA position

Some Questions

- What is the approximate design flow rate for the system?
- What is the approximate load on the motor?
- What is the approximate cooling coil discharge temperature
- What is the approximate dew point of the mixed air?
- What are two potential opportunities you might target for saving energy and/or improving performance or guest satisfaction given what you learned from your observations, discussions with the operator, and functional test documenting the motor speed