

EGB423 - Heating, Ventilation and Air-Conditioning

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Additional Readings

1.

2013 ASHRAE Handbook - Fundamentals (SI Edition) - 1.11 Psychrometric Charts - Knovel. [https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEC1/cid:kt00TYE274/viewerType:pdf/root_slug:ashrae-handbook-fundamentals?cid=kt00TYE274&page=11&b-q=psychrometric&b-subscription=true&b-within-title=true&b-group-by=false&b-search-type=tech-reference&b-sort-on=default&b-toc-cid=kpASHRAEC1&b-toc-root-slug=ashrae-handbook-fundamentals&b-toc-url-slug=psychrometrics&b-toc-title=2013%20ASHRAE%20Handbook%20-%20Fundamentals%20\(SI%20Edition\)](https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEC1/cid:kt00TYE274/viewerType:pdf/root_slug:ashrae-handbook-fundamentals?cid=kt00TYE274&page=11&b-q=psychrometric&b-subscription=true&b-within-title=true&b-group-by=false&b-search-type=tech-reference&b-sort-on=default&b-toc-cid=kpASHRAEC1&b-toc-root-slug=ashrae-handbook-fundamentals&b-toc-url-slug=psychrometrics&b-toc-title=2013%20ASHRAE%20Handbook%20-%20Fundamentals%20(SI%20Edition))

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Brager, G. S. Climate, comfort, & natural ventilation: a new adaptive comfort standard for ASHRAE standard 55. <http://escholarship.org/uc/item/2048t8nn?query=brager>

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2016 ASHRAE Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (SI-Edition): Chapter 1: HVAC System Analysis and Selection. In: 2016 ASHRAE Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (SI-Edition). [https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEM6/cid:kt010ZDOOA/viewerType:pdf/root_slug:ashrae-handbook-heating?cid=kt010ZDOOA&page=1&b-toc-cid=kpASHRAEM6&b-toc-root-slug=ashrae-handbook-heating&b-toc-url-slug=hvac-system-analysis&b-toc-title=2016%20ASHRAE%20Handbook%20-%20Heating%2C%20Ventilating%2C%20and%20Air-Conditioning%20Systems%20and%20Equipment%20\(SI%20Edition\)](https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEM6/cid:kt010ZDOOA/viewerType:pdf/root_slug:ashrae-handbook-heating?cid=kt010ZDOOA&page=1&b-toc-cid=kpASHRAEM6&b-toc-root-slug=ashrae-handbook-heating&b-toc-url-slug=hvac-system-analysis&b-toc-title=2016%20ASHRAE%20Handbook%20-%20Heating%2C%20Ventilating%2C%20and%20Air-Conditioning%20Systems%20and%20Equipment%20(SI%20Edition))

4.

2016 ASHRAE Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (SI-Edition): Chapter 2: Decentralized Cooling and Heating. In: 2016 ASHRAE

Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (SI-Edition).
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2016 ASHRAE Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (SI-Edition): Chapter 3: Central Cooling and Heating Plants. In: 2016 ASHRAE Handbook - Heating, Ventilating, and Air-Conditioning Systems and Equipment (SI-Edition).
[https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEM6/cid:kt010ZDRU3/viewerType:pdf/root_slug:ashrae-handbook-heating?cid=kt010ZDRU3&page=1&b-toc-cid=kpASHRAEM6&b-toc-root-slug=ashrae-handbook-heating&b-toc-url-slug=central-cooling-heating&b-toc-title=2016%20ASHRAE%20Handbook%20-%20Heating%2C%20Ventilating%2C%20and%20Air-Conditioning%20Systems%20and%20Equipment%20\(SI%20Edition\)](https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEM6/cid:kt010ZDRU3/viewerType:pdf/root_slug:ashrae-handbook-heating?cid=kt010ZDRU3&page=1&b-toc-cid=kpASHRAEM6&b-toc-root-slug=ashrae-handbook-heating&b-toc-url-slug=central-cooling-heating&b-toc-title=2016%20ASHRAE%20Handbook%20-%20Heating%2C%20Ventilating%2C%20and%20Air-Conditioning%20Systems%20and%20Equipment%20(SI%20Edition))

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Elovitz, David M. Selecting the right HVAC system. ASHRAE Journal, suppl ASHRAE/ARI Show Issue. 44(1).
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2013 ASHRAE Handbook - Fundamentals (SI Edition) - Chapter 9: Thermal Comfort.
[https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEC1/cid:kt00TYEBT2/viewerType:pdf/root_slug:ashrae-handbook-fundamentals?cid=kt00TYEBT2&page=1&b-q=ASHRAE&sort_on=default&b-subscription=TRUE&b-off-set=10&b-rows=10&b-group-by=true&b-search-type=tech-reference&b-sort-on=default&scrollto=ASHRAE&b-toc-cid=kpASHRAEC1&b-toc-root-slug=ashrae-handbook-fundamentals&b-toc-url-slug=thermal-comfort&b-toc-title=2013%20ASHRAE%20Handbook%20-%20Fundamentals%20\(SI%20Edition\)](https://app.knovel.com/web/view/swf/show.v/rcid:kpASHRAEC1/cid:kt00TYEBT2/viewerType:pdf/root_slug:ashrae-handbook-fundamentals?cid=kt00TYEBT2&page=1&b-q=ASHRAE&sort_on=default&b-subscription=TRUE&b-off-set=10&b-rows=10&b-group-by=true&b-search-type=tech-reference&b-sort-on=default&scrollto=ASHRAE&b-toc-cid=kpASHRAEC1&b-toc-root-slug=ashrae-handbook-fundamentals&b-toc-url-slug=thermal-comfort&b-toc-title=2013%20ASHRAE%20Handbook%20-%20Fundamentals%20(SI%20Edition))

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INNOVA Thermal Comfort Booklet.

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Sundell J. On the history of indoor air quality and health. *Indoor Air*. 25 AD;14(s7):51-58.<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1600-0668.2004.00273.x>

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13.

Titus Timeout Podcast - How to Read a Psychrometric Chart. Published online 21 AD.

https://www.youtube.com/watch?v=wLk_HHCQzQ

14.

2013 ASHRAE Handbook - Fundamentals (SI Edition) - Chapter 17: Residential Cooling and Heating Load Calculations.

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=true&b-search-type=tech-reference&b-sort-on=default&b-toc-cid=kpASHRAEC1&b-toc-root-slug=ashrae-handbook-fundamentals&b-toc-url-slug=residential-cooling-heating&b-toc-title=2013%20ASHRAE%20Handbook%20-%20Fundamentals%20(SI%20Edition)

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2013 ASHRAE Handbook - Fundamentals (SI Edition) - Chapter 18: Nonresidential Cooling and Heating Load Calculations.

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19. Energy Simulation and Modeling Methods. In: 2013 ASHRAE Handbook - Fundamentals (SI Edition). American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.; 2013:19.1-19.12.

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