

Inputs

Select method:

Operative temperature

70 °F

Air speed

19.7 fpm

Relative humidity

50 %

Metabolic rate

1.78 met

Clothing level

0.61 clo

PMV method

Relative humidity

Reclining: 0.8

Trousers, long-sleeve shirt: 0.61 clo

Create custom ensemble

Dynamic predictive clothing

Solar gain on occupants

Reset Set pressure SI/IP [? Help](#)

Local discomfort Globe temp

✓ Complies with ASHRAE Standard 55-2017

PMV = 0.23

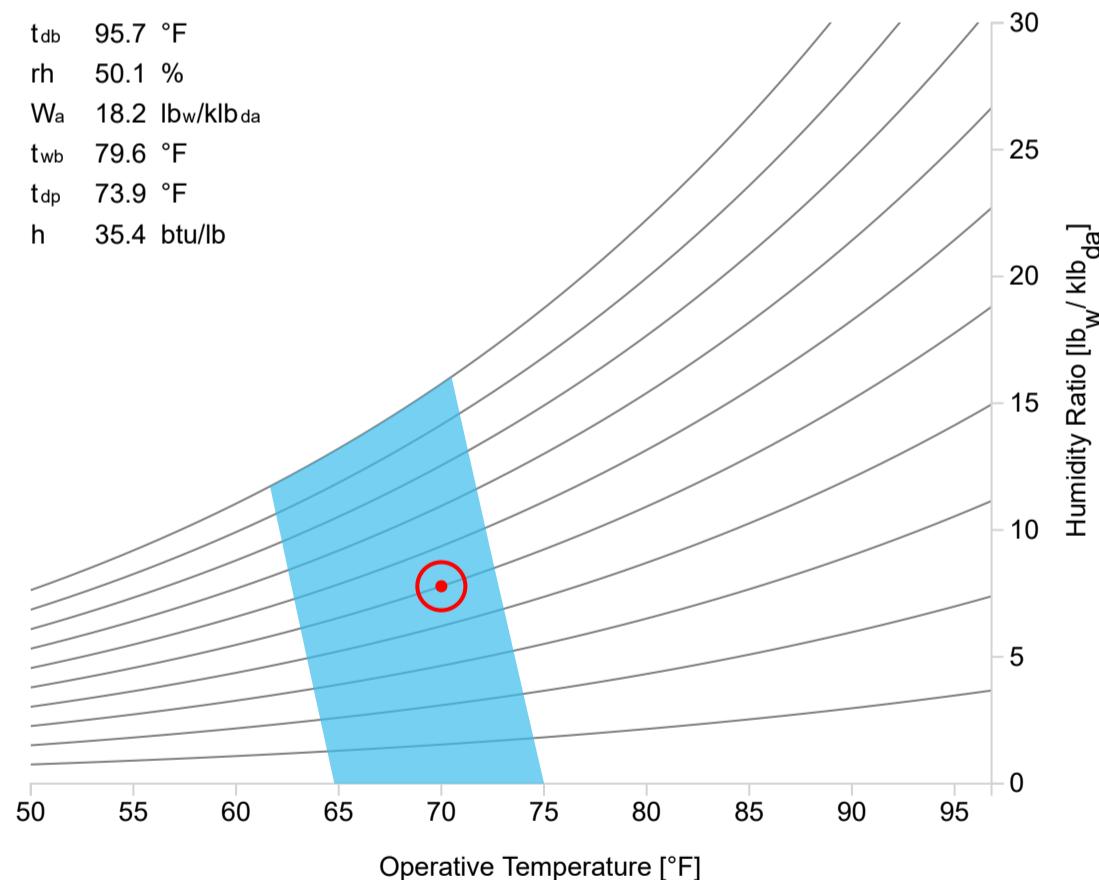
Sensation = Neutral

PPD = 6 %

SET = 79.4 °F

Psychrometric (operative temperature)

t_{db} 95.7 °F
 rh 50.1 %
 W_a 18.2 lbw/klb_{da}
 t_{wb} 79.6 °F
 t_{dp} 73.9 °F
 h 35.4 btu/lb



NOTE: In this psychrometric chart the abscissa is the operative temperature and for each point dry-bulb temperature equals mean radiant temperature (DBT = MRT). The comfort zone represents the combination of conditions with the same DBT and MRT for which the PMV is between -0.5 and +0.5, according to the standard.

Limits of Applicability: This standard is only applicable to healthy men and women. This standard does not apply to occupant: a) whose clothing insulation exceed 1.5 clo; b) whose clothing is highly impermeable; or c) who are sleeping, reclining in contact with bedding, or able to adjust blankets or bedding.

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Note: We recommend using Chrome, Firefox, Opera or Safari.

Contact Us: For any enquiries contact us via email at cbecomforttool@gmail.com

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