

1 **Re: Page B-138, Upgrade Ventilation System, \$216,500**

2 Q. What are the recommended safe limits as identified by the Conference of
3 Governmental Industrial Hygienists?

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6 A. Sections 2.7 to 2.12 of “Industrial Ventilation: A Manual of Recommended
7 Practice”, 25th Edition, ACGIH, 2004 provides general information related to
8 ventilation for heat control and the physiological effects of heat upon the
9 body. The limit for cooling by air flow is given as 35 to 37.8 degrees Celsius.
10 Convective cooling requires temperatures below 35 degrees Celsius. Both
11 types of cooling are further affected by clothing and humidity levels.

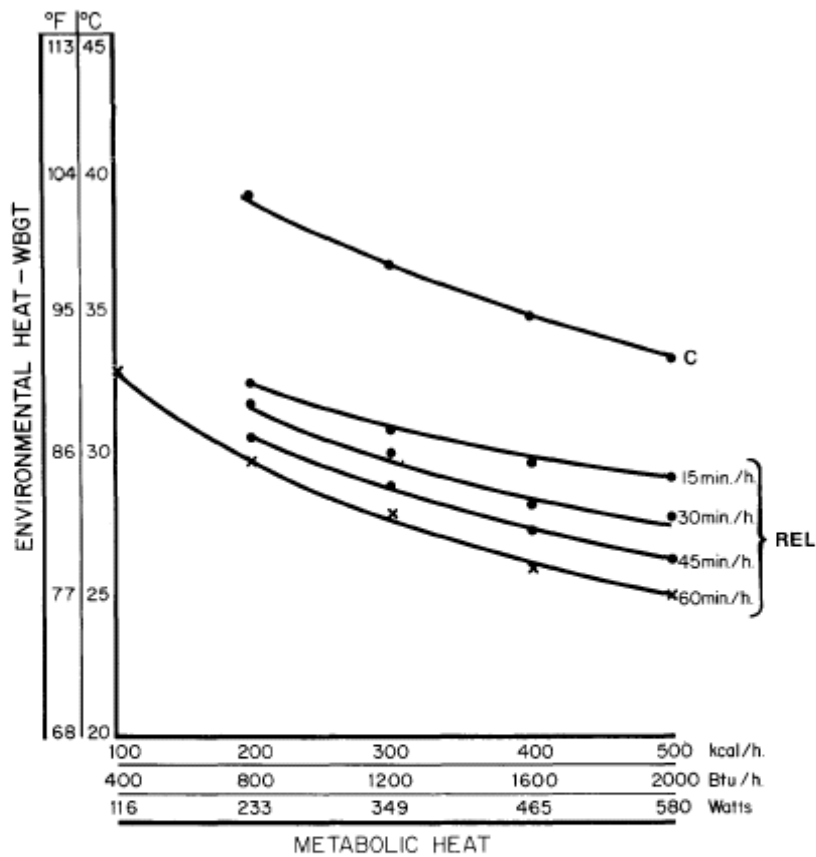


Figure 2. Recommended Heat-Stress Exposure Limits
 Heat-Acclimatized Workers

C = Ceiling Limit
 REL = Recommended Exposure Limit
 *For "standard worker" of 70 kg (154 lbs) body weight and
 1.8 m² (19.4 ft²) body surface.
 Based on References 2,3,4,5,6,7,8.