$$UEF = \sum_{i=1}^{N} \frac{M_i C_{pi}(125°\mathrm{F} - 58°\mathrm{F})}{Q_{dm}}$$

or,

$$UEF = \sum_{i=1}^{N} \frac{M_i C_{pi}(51.7°\mathrm{C} - 14.4°\mathrm{C})}{Q_{dm}}$$