Equation 4.2.2-3 $$\dot{Q}_h^k(T_j) = \begin{cases} \dot{Q}_h^k(17) + \frac{\left[\dot{Q}_h^k(47) - \dot{Q}_h^k(17)\right] * (T_j - 17)}{47 - 17}, \ if\ T_j \ \geq 45\ °\mathrm{F}\ or\ T_j \ \leq 17\ °\mathrm{F} \\ \dot{Q}_h^k(17) + \frac{\left[\dot{Q}_h^k(35) - \dot{Q}_h^k(17)\right] * (T_j - 17)}{35 - 17}, \ if\ 17\ °\mathrm{F} < \ T_j < 45\ °\mathrm{F} \end{cases}$$