$$Q_{da} = Q_d - \left(67.5°\mathrm{F} - \bar{T}_{a,stby,2}\right) UA\, \tau_{stby,2}$$

or,

$$Q_{da} = Q_d - \left(19.7°\mathrm{C} - \bar{T}_{a,stby,2}\right) UA\, \tau_{stby,2}$$