1 Lift

$$dT = \frac{\rho}{2}\pi c R \left(Rn^2 \sin(\theta) - nV_A \cos(\theta)\right)$$
$$dQ = \frac{\rho}{2}\pi c R^2 \left(Rn^2 \sin(\theta) - nV_A \cos(\theta)\right)$$

$$T = T_{nn}n^2 + T_{nv}nV_A$$
$$Q = Q_{nn}n^2 + Q_{nv}nV_A$$