Chapter7_example10

Velocity at area A1 is 36.7 ft/s

The diagonal pitch is 1.63 in

Velocity at area A2 is 10.3 ft/s

The Reynolds number is 1.59e+04

The values of parameters are sT/Do=1.49 and sT/sL=0.87

The pressure drop is 3.96 lbf/ft^2 = 0.0269 psi

The convection coefficient is 21.0 BTU/(hr.sq.ft.degree Rankine)

The outside surface area of 70 tubes is 32.1 sq.ft

The heat transferred is 8.76e+04 BTU/hr