Sample Calculations for 100% @ data sample 1:

The heat emitted from the hot fluid:



The heat absorbed from the cold fluid:



Mass flow rate for the hot fluid:



Mass flow rate for the cold fluid:



The heat lost from the system:



Overall Heat Transfer Co-Efficient: A=.02m2



The mean temperature efficiency:



The overall efficiency for the system:



Hot fluid volume flow rate:



Cold fluid volume flow rate:

