

ρ 1.164
 C_p 1006.43
 ν 0.0242
 β 3×10^{-3}
 100^0
 e^{-4}
 e^{-6}
of cells
400 300
800 356.17868 3.578
1600 356.01865 0.045
3200 355.68356 0.0941
6400 355.52552 0.0368
12800 355.52588 0.0075
25600 355.52496 $2.58e^{-4}$
33002000
100
of cells
7000 331.86649
14000 336.46619
28000 332.70441 1.39
56000 336.08981 0.23
87000 332.93004 0.11
98600 336.02209 0.04
162825 336.024510.00072

$$Nu = [0.397^{0.5} + (0.1225Ra^{1/3})^{0.5}]^2$$

$$Ra = \frac{g\beta\Delta TL^3}{\nu^2}$$