

>> then , we find Rin1 , using (COE) 0 = Qin1 + m (h4-h1)

> : Qin = in (h1-h4) = (4.4596x10-2 +35)(244.52 /2 - 99.398//2) = 6,4719 kw

>> thus,

Qin2

Wcomp = Wpower = |Qin | - Bout | = |6.4719 kw - 8.3333 kw = 1.8614 kw = (86 kw - (a)