

getting U: U= Woi + Coi = 250 m/s $U = \frac{2\pi N}{60} r_m = 7 \text{ getting } r_m$ $r_m = \frac{60}{0.2387}$ getting the work of The stage W= Ux (Coz-COI) xm = 1.185 x16 The tempreature defrente in stage = Ty + wr = 311-6 k AT- = 23.6 K Number of stage $Z_{sf} = \Delta \hat{T}_{c}$ -- 7,+ = 5 total work Wat = WxxZy = 1.185x15x5=5.926x16