a. J. a quasi-static compression, 3 - reversible (no paddle wheel or any other mode of energy addition except quasi-static corsh) 10 h Pg ("sat = 45.806°C) 39, mai 5,0 5,0 = Sgx+Sg(1-x) = 8-1488 × 0.9 + 0.6412 (0.1) = 7.338 Hence $S_{\text{final}} = 7.4 \text{ tra/rg.k}$ 30 bar Som Som table + $S_{\text{g(3MPa)}} = 6.1856$ thur Stimul Sg(3Mra) — (1)

final state is superheated. Herre in order to get temp, one has to refer super heated steam table, in my table at 3 MP9,

Stind = 7-4 /4.4 560 (

(if your table has not this value

You can interpolede between

two temp. for TA I TB for (1.3) flo which SKS& out final state (3 MPa, 560°C) Asom super headed steam table, Utin= 3214.3 W/kg. 10 Mpg, 45-800° = 25x+4e(1-x) = 2437.2x0.9+191.8x0.1 = 2212.66 kg/kg

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