TOPIC
Thermodynamics – Section XII – Question 6

QUESTION
Air is adiabatically compressed in a steady flow system from 1 bar to 5 bars. The air enters at 298 K and the compressor efficiency is 70 %. The work per unit mass of air required for the compression (in kJ/kg) most nearly is
   (A) 122
   (B) 174
   (C) 249
   (D) 1703

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