

Use steam tables and calculate:

POWER MACHINES N6

- 2.1 The specific enthalpy and the velocity (m/s) at the throat.
- 2.2 The specific volume at the throat (give answer correct to four decimal places)
- 2.3 The specific isentropic enthalpy; the specific actual enthalpy; and the actual dryness fraction of steam at the exit
- 2.4 The steam volume flow rate at the exit in m^3/s
- 2.5 Draw a labelled enthalpy-entropy diagram and indicate any THREE values on the diagram.

STEAM FLOW

NOZZLES

EXAM QUESTION

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