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Dry-bulb temperature, TDB, °C ω., kg water per kg dry air ... overviews of refrigeration cycle design are given by Dincer (2003), Stoecker .... The proceedings contain the papers of the 60 oral presentations and 9 poster ... Conditioning - a Modelica Library for Dynamic Simulation of AC Systems . ... a thermal model of a surface cooled squirrel cage induction machine by ... Design and Parameter Estimation . ... sible to cut free the complex system of the electrical. heattransfer process. It is necessary, then, to design the distribution system to distribute the liquid uniformly over the tube bundle so as to permit wetting of all the .... Present analysis and design aspects of refrigerant condensers, estimation of heat transfer ... estimate the required condenser area for a given refrigeration system. 4. ...  $3.5167/(1.2x1.005 \times 16/60) = 10.90C$  for average air flow rate of 16 cmm. ... The refrigerant in the annulus rejects a part of its heat to the surroundings by free.. 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