

ABSTRACT

This research discusses the value of refrigeration capacity, the power ratio and the coefficient of achievement of the cooling engine system. The method used is the observation method where the data obtained is taken directly into the field with a variety of tools needed. Data is taken each time taken with a different time determined by the author. Data is analyzed comprehensively based on actual data by determining the value of refrigeration capacity, the performance coefficient and the corresponding achievement coefficient in the air property table. The results of this study indicate the value of COP obtained by actual and theory.

Key words : refrigeration capacity, compressor power, COP, table properties of air.

