

EVALUATION & COMPARISON OF C.O.P OF SIMPLE VAPOUR COMPRESSION REFRIGERATION SYSTEM USING DIFFERENT REFRIGERANTS (R-134A, R-1234YF & R-1234ZE) IN THE CIRCUIT.

UMA SHANKAR PRASAD, Dr. R. S MISHRA & Dr. RANADIP KUMAR DAS

Mechanical Engineering Department, Prestige Institute of Engineering Management and Research, Indore, India

Mechanical Engineering Department, Delhi Technological University (DTU), Delhi, India

Mechanical Engineering Department, IIT(ISM), Dhanbad, Dhanbad, India

ABSTRACT

World is highly concern about the exponential growth of global warming and energy demand, due to use of various refrigerants. Refrigerants used in VCRS are the most influencing agent in global warming & it is very important to select those refrigerants that have low impact on ozone layer and environment. This paper is a comprehensive review of experimental & theoretical studies of VCRS system using various refrigerants and their influence on atmosphere. From this paper we can also conclude the suitable alternative refrigerants for different VCRS.

KEYWORDS: *VCRS, ODP, GWP, Alternative refrigerants & Blended refrigerants*

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