



International Journal on Recent Researches In Science, Engineering & Technology

(Division of Mechanical Engineering)

A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy. It is an absolutely free (No processing charges, No publishing charges etc) Journal Indexed in JIR, DIIF and SJIF.

Research Paper

Available online at: www.jrrset.com

ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

**Volume 5, Issue 6,
June 2017**

JIR IF : 4.334

DIIF IF : 1.46

SJIF IF : 1.329

Experimental Analysis On Heat Transfer Between Water And Air By Direct Contact In A Cross Flow Force Draft Cooling Tower Model

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Abstract

In this paper the authors made experimental analysis on heat transfer between water and air by direct contact in a cross flow force draft cooling tower model. Their study investigated the effect of air flow and water flow on the cooling capacity of wet cooling tower. The observations were made for different water flow rates. The performance parameters like range, approach, effectiveness were calculated from the experimental data. The authors concluded that the effectiveness of cooling tower is higher for low water flow rates and is reversed in cooling capacity.