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文章名称: 催化还原脱硝装置对引风机性能的影响 ————— 程星星 等

文件大小:

文章语言: 简体中文

添加时间: 2008-11-10

文章等级: ★★☆☆☆

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:: 文章简介 ::

摘要: 分析了SCR脱硝装置对锅炉引风机的影响。从理论上分析并对比了有无SCR装置时, 引风机的运行性能和变工况特性, 指出了有SCR装置的系统更容易产生风机的失速和喘振现象。讨论了SCR旁路的利弊, 分析了旁路切换时容易出现的问题。

关键词: 锅炉; SCR脱硝装置; 引风机; 失速; 喘振

中图分类号: TK223.26 文献标识码: B

文章编号: 1006-8155 (2008) 04-0023-04

Research on the Influence of SCR de-NOX Equipment on Induced Fan Performance

Abstract: This paper analyzes the influence of SCR (Selective Catalytic Reduction) de-NOX equipment on boiler's induced fan. The operation performance and load-changing characteristics of the induced fan are analyzed in the system with and without SCR. It is found that the stalling and surging could be more easily occurred with SCR system. The advantages and disadvantages of SCR bypass are also discussed, as well as the problems which can easily occur during bypass switching.

Key words: boiler; SCR de-NOX equipment; induced fan; stalling; surging

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