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文章名称: 大型燃煤机组增压风机失速原因分析-----殷立宝 等

文件大小:

文章语言: 简体中文

添加时间: 2009-3-3

文章等级: ★★★★★

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:: 文章简介 ::

摘要: 以广东某电厂600MW燃煤机组脱硫系统增压风机为研究对象, 结合增压风机性能试验结果, 分析了在烟气旁路全关时增压风机发生失速的原因, 确定了目前增压风机的工作点。分析结果显示目前额定负荷下, 增压风机的工作点落在了失速区域, 而导致增压风机工作点偏移的主要原因是系统阻力特性的改变。

关键词: 轴流通风机; 脱硫; 失速

中图分类号: TH43 文献标识码: B

文章编号: 1006-8155 (2008) 06-0063-03

Reason Analysis on Stalling of Booster Fan in Large-type Coal-fired Unit

Abstract: In this paper, a 600MW coal-fired unit desulfurization system booster fan in Guangdong power plant is studied with the help of the test result of booster fan performance. The reason of stalling occurred in booster fan during all the flue gas by-pass closed is analyzed and the operating point of booster fan is determined at the same time. The analysis result shows that the operating point of booster fan with rated loads at present is in stalling area. And the main reason for causing the deviation of operating point is that the system resistance characteristic has been changed.

Key words: axial-flow fan; desulfurization; stall

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