

# Generator stator air duct



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### [Full Surface Heat Transfer Characteristics of Stator Ventilation](#)

The real geometry and operating condition of the stator ventilation duct of an air-cooled turbine generator (200MVA) was modelled to investigate the characteristics of heat transfer and

### **CN203774903U**

The utility model discloses a generator stator ventilating duct structure with multiple ventilation openings.



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### [Heat transfer coefficient distribution in inner surface of stator](#)

Taking a 2-pole 150 MW air-cooled turbo-generator as the research object, the surface heat transfer coefficient distribution of the stator radial ventilation duct and stator temperature field are investigated.

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[Stator Non-Uniform Radial Ventilation Design Methodology for a](#)

In order to homogenise the stator axial temperature distribution whilst reducing the maximum stator temperature, this paper presents a novel non-uniform radial ventilation ducts design methodology.



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[VENTILATION AIR FLOW FIELD CHARACTERISTICS IN A](#)

The air flows radially through ducts in the rotor, into the rotor-stator air gap and then through the stator channels. The usage of one or the other ventilation system depends mainly on the rotor type, the



[Generator stator core vent duct spacer posts.](#)



[Full Surface Heat Transfer Characteristics of Stator](#)

The focus of the present research is to investigate the heat transfer and pressure loss characteristics of a typical cooling system, the so-called stator

The present invention relates to generator stator core ventilation ducts and, more particularly, to ventilation duct spacer posts inserted between magnetic laminations of a generator



[Influence of Large Turbo-Generator Stator Ventilation](#)

In this paper, a new ventilating ducts structure in stator is investigated. According to fixing a wind deflector on the stator teeth adjacent to the ventilation ducts, the

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[Full Surface Heat Transfer Characteristics of Stator Ventilation Duct](#)

The present study focuses on evaluating the full surface heat transfer and pressure loss of stator ventilation ducts of air-cooled turbine generators using experimental and CFD approaches.



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