

PEES Power Systems

Generator internal and external stator wind baffles



Generator internal and external stator wind baffles



AIR GAP BAFFLE TRAIN FOR A ZONE COOLED TURBINE GENERATOR

A plurality of axially aligned composite airflow baffles circumscribe the stator bore and establish cooling airflow zones in an air gap between the stator bore and the rotor that are bounded by the composite ...

Analysis and optimization of a high-speed generator's cooling

...

Addressing generator cooling issues can be approached from two perspectives: firstly, by reducing generator losses, and secondly, by implementing a well-designed cooling structure.



Air gap baffle train for a zone cooled turbine generator

Turbine generators employ internal air cooling systems to circulate cooling air within the machine. The cooling scheme of some generators requires the stator core be separated into different cooling zones.

AIR GAP BAFFLE TRAIN FOR TURBINE GENERATOR

[0002] The invention relates to air gap baffle trains for turbine generators that establish in combination one or more axially aligned composite airflow baffles circumscribing the stator bore ...



Examples of Airflows for Different Enclosed Generator Applicatio

When discharging air vertically, because the generator is surrounded on all sides, can result in higher than ambient air temperatures being pushed into inlet vents.

Stator Winding Construction

WARRANTY after and the 2800 stator utilize full r single turn stator coils. The stator is VPI'd after the stator



Function and Advantages of Generator Air gap diaphragm

By setting baffles in the air gap of the

generator, the baffles guide the cooling airflow more effectively over the critical areas of the rotor and stator, thereby reducing the temperature of the generator ...



(12) United States Patent (10) Patent No.: US 6,943,470 B2 ...

This invention relates generally to the ventilation of gas-cooled turbine generators, and more particularly, this invention relates to an improved method for installing Segmented rings of air gap baffles on a ...



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://peregrine-energy.co.za>

