Upper limit of generator inlet temperature

Especially in summer, the long-term operation of the diesel generator set is very likely to cause the temperature to be too high. Therefore, everyone should pay attention to the temperature ...

In this method of cooling, inlet air to the compressor is cooled from ambient temperature to a lower temperature by means of an "ammonia-water" vapor absorption ...

The heat dissipated by the exhaust and the cooling system are injected into the airflow field and the temperature of the flow field is measured to quantify the amount of heat recirculation, which reduces ...

When the inlet temperature of primary coolant (air/hydrogen) does not exceed 40 deg C, then any temperature rise of the winding to their rated class falls under machine designer"s scope.

The results of the analysis also indicate that the diesel generator rooms" ventilation fans VA 52A and VA-52B must be off to easure the best air circulation patterns in the rooms.

Reaching the maximum temperature of 374 o C is not a cost-effective option as reaching this temperature in saturated conditions also means reaching the water critical pressure (22.1 MPa), and ...

If an existing generator installation starts to have problems related to very high ambients, after all the usual factors have been eliminated, a review of the installation itself should be made including:

Elevated temperatures refer to an increase in the ambient temperature surrounding the generator beyond its recommended operating range. This can occur due to external factors such as climate ...

Generators may be rated on a stand-by basis (see 32.35). Temperature rise not to exceed Table 32-3 by more than 25o C. For totally enclosed water-air cooled machines, the cooling ...

This paper aims at differentiating between the ambient temperature vs. air-on-core (AOC) method of rating the

performance of a cooling system used on a generator set.

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