

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 installer must make sure that the total square inches of free air inlet opening is sufficient to limit the heat rise in the room to prevent the room temperature from exceeding the generator 's operating ...

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.

Generator sets must be properly installed to ensure that cooling air is not restricted or artificially heated by nearby heat sources or from recirculation. Fortunately, installation influences can be simulated ...

An experimental power reactor has been designed based on high-temperature gas-cooled reactor for experiment purposes.

Let's face it - generators aren't exactly the life of the party in power plants. But when it comes to generator inlet air temperature, these machines turn into divas faster than a pop star in a heatwave. ...

It is important to note that cooling air is needed for more than just the engine; the generator intake also requires cool clean air. The most effective way to do this is to provide a ...

When specing a generator set with an enclosure for use in a hot climate, outside air temperature defines the ambient capability. Site conditions, including altitude and relative humidity, will cause the ambient ...

estigate the effect of ambient air temperature on the steam generation. A parametric study was performed based on exergy analysis to study the impact of ambient air temperature on second law of ...

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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