

Container power generation installation requires a foundation

How do I choose a foundation for a generator set?

Foundations supporting generator sets must meet flotation, alignment and vibration parameters for successful operation. Specifications that consider the following criteria will help assure trouble-free installation and operation. Foundations must be able to withstand the installation's weight and prevent deflection.

Can a generator be installed on a base?

In most applications, a single-bearing generator set can be installed and operated on the base it was shipped on. Two-bearing generators, generators driven from either end of one engine, tandem generators or generators with tandem engines require much heavier boxed base that resists bending forces exerted by the generator sets.

How deep should a generator bar be in concrete?

Bars should be imbedded in the concrete at least 3 inches (76.2mm) from foundation surface. Modern multi-cylinder medium-speed generators sets do not require massive concrete foundations to maintain engine/generator alignment. In most applications, a single-bearing generator set can be installed and operated on the base it was shipped on.

Can a generator hose withstand vibrations?

Any supply line or hose connected to the generator set--including exhaust coupling and exhaust pipe hangers, jacket water connections, heat recovery systems and fuel lines--must be fitted with a flexible section that can withstand vibrations incurred by the operating generator set.

Considerations for generator set foundations Foundations supporting generator sets must meet flotation, alignment and vibration parameters for successful operation. Specifications that ...

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