

STATOR

Meaning: Stator: the stationary part of an electric motor or generator that produces a magnetic field or supports the rotating components.

1. The stator in the electric motor plays a crucial role in generating the magnetic field necessary for operation.
2. Engineers often focus on the design of the stator to enhance the efficiency of the generator.
3. In a typical three-phase motor, the stator consists of windings that are evenly spaced around the core.
4. When the rotor spins within the magnetic field produced by the stator, it creates rotational motion.
5. Regular maintenance of the stator can prevent overheating and extend the lifespan of the machinery.

Source: sentences.whatistheurl.com

<https://sentences.whatistheurl.com/sentence/stator>