Synchronous motor



Task 1. Work at pronunciation

Synchronous motor	Синхронный двигатель
Asynchronous motor	Асинхронный двигатель
To be equal	Быть равным
Additional	Дополнительный
Constant	Постоянный
Load	Нагрузка
To compare	Сравнивать
Torque	Крутящий момент

Task 2. Pronounce the words.

Synchronous motor	Синхронный двигатель
Asynchronous motor	Асинхронный двигатель
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To compare	Сравнивать
Torque	Крутящий момент

Task 3. Read the text. Fill in the gaps. Use the hints below.

Synchronous _____is a motor that operates at synchronous speed. Speed of the rotor is equal to the stator speed of the motor. Synchronous motors operate well at low speed. They operate smoothly. They are not self-starting. They don't have slip. The value of slip is zero. Synchronous motor requires an additional DC power source. It has great efficiency.

Synchronous motor is costly as compared to _____motor. The speed of the motor is constant. It doesn't depend on variation in _____Change in applied voltage does not affect the torque of the synchronous motor. Synchronous motors are used in manufacturing industries, in Power stations. _____is given to the rotor of the synchronous motor. Synchronous motor is costly as compared to asynchronous motor.

Current
the load.
asynchronous
motor

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