**Data sheets and Manuals for the generic motors (5 documents)**

**Outline**

* Electric motors-Converting electrical energy into mechanical energy
* The most common types of electric motors are:
* Direct current motors (DC motors)

-Disadvantages: Expensive, required speed;

* Alternating current motors (AC motors)

-Single-Phase motors (2 poles and 4 poles)

-Three-Phase motors (2 poles and 4 poles)

OR

-Synchronous motors

-Asynchronous motors (Induction motors)

-Most frequently, because electrical power is normally supplied as AC current

By far, the induction motor is the most widely used type of motor, because it combines ll the advantages offered by the electrical energy such as low cost, easy of supply and distribution, clean handling and simple controls.

More details in documents.