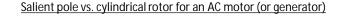


One of two poles.

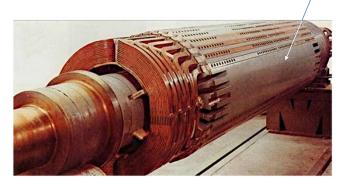


This pole not yet constructed.

One of twelve poles—after finishing.



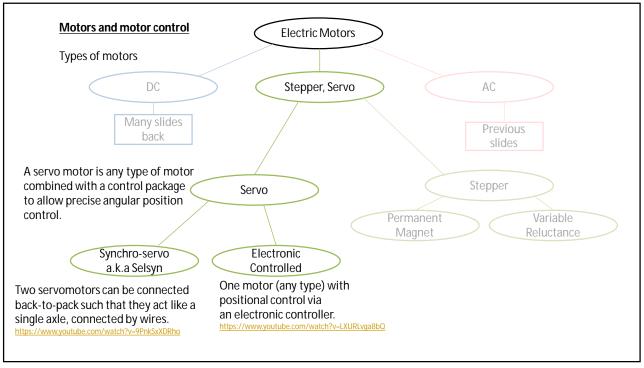
Salient pole wound rotor Large radial dimension, small axial dimension. Pole face has short radius to cause sinusoidal flux distribution w.r.t. to angle. Excellent high-torque low-speed performance.



Cylindrical Wound rotor
Large axial dimension, small radial dimension.
Rotor has uniformly maximum radius—nearly drags on the stator.
Distribution, depth, of winding slots arranged for sinusoidal flux distribution w.r.t. to angle.
Excellent high-speed low-torque performance.

https://www.quora.com/What-is-the-difference-between-a-salient-and-a-non-salient-synchronous-machin

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